

Academic Policy and Student Affairs Committee Meeting

FIU, Modesto A. Maidique Campus, Graham University Center Ballrooms

Thursday, September 17, 2026

3:00 PM

or

Upon Adjournment of Previous Meeting

Chair: Albert R. Taño

Vice Chair: Yaffa Popack

Members: Noël C. Barengo, Tila Falic-Levi, Alyssa Mederos

Agenda

- | | |
|---|--------------------|
| 1. Call to Order and Chair's Remarks | Albert R. Taño |
| 2. Approval of Minutes | Albert R. Taño |
| 3. Action Items | |
| AP1. Tenure as a Condition of Employment Nominations | Elizabeth M. Bejar |
| AP2. Textbook and Instructional Materials Affordability Annual Report | Heather D. Russell |
| 4. Information and Discussion Items: No Action Required | |
| 4.1 Student Government Updates | Alyssa Mederos |
| 4.2 Faculty Senate Updates | Noël C. Barengo |
| 5. Academic Affairs Regular Reports: For Information Only | |
| Academic and Student Affairs | |
| FIU and Baptist Health South Florida Collaboration | |
| Information Technology | |
| Research and Economic Development/University Graduate School | |
| 6. New Business | Albert R. Taño |
| 7. Concluding Remarks and Adjournment | Albert R. Taño |

Meeting Book - FIU Board of Trustees Academic Policy and Student Affairs Committee Meeting

1. Call to Order and Chair's Remarks

Albert R. Taño

2. Approval of Minutes

Albert R. Taño

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3. Action Items

AP1. Tenure as a Condition of Employment

Nominations

Elizabeth M. Bejar

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AP2. Textbook and Instructional Materials

Affordability Annual Report

Heather D. Russell

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4. Information and Discussion Items: No Action

Required

4.1 Student Government Updates

Alyssa Mederos

4.2 Faculty Senate Updates

Noël C. Barengo

5. Academic Affairs Regular Reports: For Information Only

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6. New Business

Albert R. Taño

7. Concluding Remarks and Adjournment

Albert R. Taño



September 17, 2026

Subject: Approval of Minutes of Meeting held June 18, 2026

Proposed Action:

Approval of Minutes of the Academic Policy and Student Affairs Committee meeting held on June 18, 2026.

Background Information:

Committee members will review and approve the Minutes of the Academic Policy and Student Affairs Committee meeting held on June 18, 2026.

Supporting Documentation: Minutes: Academic Policy and Student Affairs Committee meeting, June 18, 2026

Facilitator/Presenter: Albert R. Taño, *Chair, Academic Policy and Student Affairs Committee*



Academic Policy and Student Affairs Committee
June 18, 2026
FIU, Biscayne Bay Campus, Wolfe University Center Ballrooms

MINUTES

1. Call to Order and Chair's Remarks

The Florida International University Board of Trustees' Academic Policy and Student Affairs Committee meeting was called to order by Committee Vice Chair Yaffa Popack on Thursday, June 18, 2026, at 2:16 PM.

Acting General Counsel Ryan Kelley conducted roll call of the Academic Policy and Student Affairs Committee members and verified a quorum. Present were Yaffa Popack, *Committee Vice Chair*; Noël C. Barengo; and Alyssa Mederos.

Trustee Albert R. Taño, Committee Chair, was excused.

The following Board members were also in attendance: Trustees Carlos A. Duarte, *Board Chair*; Alan Gonzalez, *Board Vice Chair*; George Heisel; Jesus Lebeña; Patrick McDowell; Alexander M. Peraza; and Nestor Plana.

Committee Vice Chair Popack welcomed Alyssa Mederos as a member of the Academic Policy and Student Affairs Committee. Provost, Executive Vice President, and Chief Operating Officer Elizabeth M. Bejar provided administrative updates related to new and augmented University leadership, noted a recommendation to the University President for the removal of the global learning requirement, and commented on the development of the academic structure for the Adam Smith Center for Economic Freedom.

2. Approval of Minutes

Committee Vice Chair Popack asked if there were any changes or corrections to the minutes of the Academic Policy and Student Affairs Committee meeting held on February 26, 2026. Hearing none, a motion was made and unanimously passed to approve the minutes of the Academic Policy and Student Affairs Committee meeting held on February 26, 2026.

3. Action Items

AP1. Tenure Nominations

Committee Vice Chair Popack explained that, at the conclusion of the spring semester each year, the administration conducts a thorough review of faculty candidates who are in their sixth year on the tenure track. She added that this year, a total of 18 candidates met the scholarly requirements and have been recommended for tenure. Provost Bejar provided an overview of the tenure review process and candidates. She highlighted the collective accomplishments of the 18 tenure candidates. She mentioned that all faculty are mandatorily evaluated based on their annual assignments for research, teaching, and service and are subject to post-tenure review every five (5) years.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend to the FIU Board of Trustees approval of the Tenure Nominations as specified in the Board materials.

AP2. Tenure as a Condition of Employment Nomination

Committee Vice Chair Popack commented on the Tenure as a Condition of Employment (TACOE) process. Provost Bejar discussed the TACOE candidate, Dr. Jerry Chipuk, who has joined the Department of Cellular and Molecular Medicine within the Herbert Wertheim College of Medicine.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the candidate for Tenure as a Condition of Employment, as specified in the Board materials.

AP3. General Education Course List for 2027-2028

Provost Bejar presented the review of the General Education course offerings. Provost Bejar explained that Board of Governors (BOG) regulations require each university president and board of trustees to annually review and approve general education course offerings and submit the approved list to the Articulation Coordinating Committee by September 1. She mentioned that FIU completed its annual review to ensure compliance with Florida Statutes 1007.25 and 1007.55 and Board of Governors requirements. She noted that the 2027-2028 General Education Course List includes one (1) change from the 2026-2027 list: removal of PHY 1020, Understanding the Physical World, a State Core course in the Natural Science area that has not been taught at FIU since Spring 2016. She clarified that, because the course has not been offered in approximately ten (10) years, it no longer meets the University Core Curriculum Oversight Committee requirement that general education courses be taught at least twice during an academic year in different terms. She commented that the removal of PHY 1020 will not affect FIU's ability to meet state requirements, as ten (10) State Core courses in the Natural Science area will continue to be offered.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the General Education Course Report for 2027-2028, as specified in the Board materials.

AP4. Program Termination: EdD in Adult Education and Human Resource Development

Provost Bejar presented the proposal from the Department of Educational Policy Studies to terminate the Doctor of Education in Adult Education and Human Resource Development. She noted that the program will stop admitting students beginning Fall 2026, and that there are currently 19 students enrolled. She mentioned that currently enrolled students are expected to graduate by Spring 2028 with an official teach-out period extending through Spring 2030. She clarified that the proposed termination will not adversely affect currently enrolled students, faculty, or University operations.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the termination of the EdD in Adult Education and Human Resource Development.

AP5. Application for Reaffirmation of Specialized Admissions

Provost Bejar presented FIU's Application for Reaffirmation of Specialized Admissions, which requests Board approval, as required by Board of Governors Regulation 6.005, to continue using specialized admissions criteria for designated undergraduate programs. She explained that the reaffirmation applies to the Bachelor of Science (BS) in Public Relations and Advertising, BS in Social Work, BS in Dietetics and Nutrition, and BS in Nursing. She detailed that the specialized criteria support student success and program quality in programs recognized by specialized accrediting agencies with rigorous discipline-specific competency standards. She noted that faculty in each program established minimum admission requirements associated with successful program outcomes and employment or graduate admissions.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the following baccalaureate degree programs for Reaffirmation of Specialized Admissions: BS in Public Relations and Advertising; BS in Social Work; BS in Dietetics and Nutrition; and BS in Nursing.

AP6. Proposed Amendment to Regulation FIU-1103 Textbook and Instructional Materials Affordability and Transparency

Provost Bejar presented the proposed amendment to Regulation FIU-1103 Textbook and Instructional Materials Affordability and Transparency. She explained that the revisions clarify compliance obligations and University processes for the timely adoption and reporting of required course materials to support students' ability to make informed purchasing decisions. She reviewed key changes including revised affordability requirements, clearer attestation

language confirming that course materials have been reviewed for legal and University compliance, removal of outdated or unnecessary provisions, updated public posting requirements and repositories for textbook adoptions and syllabi, revised retention references, and an annual reporting deadline aligned with BOG requirements.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the proposed amendments to Regulation FIU-1103 Textbook and Instructional Materials Affordability and Transparency, and the delegation of authority to the University President as specified in the Board materials.

4. Information and Discussion Items: No Action Required

4.1 Post Tenure Review

Provost Bejar reported on FIU's third cohort of post-tenure review, conducted pursuant to Board of Governors Regulation 10.003 and FIU Regulation FIU-2508, for the five-year period from 2021 through 2026. She summarized the review process, which included faculty accomplishments, annual evaluations, assigned duties, disciplinary records, and unit-approved criteria, and noted that 101 faculty completed the review. Final outcomes, determined after consultation with President Nuñez, were 42 faculty rated "Exceeds Expectations," 52 rated "Meets Expectations," seven (7) rated "Does Not Meet Expectations" and placed on Performance Improvement Plans, and none rated "Unsatisfactory." Provost Bejar explained that certain faculty were excluded from selection, including tenured faculty serving in administrative roles, faculty recently returned from administrative roles, and faculty with an approved leave of absence or one-year extension. She also reported the number of terminations, retirements, and resignations among the 122 faculty initially selected for inclusion in cohort three.

4.2 Planned New Academic Degree Program Proposals

Provost Bejar presented the planned new academic degree program proposals. She explained that amendments to BOG Regulation 8.011, Authorization of New Academic Degree Programs and Other Curricular Offerings, established a more fluid degree-planning process under which a one-year list is proposed and may be amended during the year. She noted that no formal Board approval is sought, as new degree programs return for Board consideration after completion of the Faculty Senate curriculum approval process. She detailed that the 2026-27 list includes eight (8) programs carried forward from the prior year while financial planning continues, as well as a new Master of Science in Wealth Management, which would prepare students in financial planning and services, including portfolio and investment management, estate planning, insurance, tax planning, strategic investing, financial consulting, and client relations.

4.3 Addendum to 2026 Accountability Plan

Provost Bejar presented an addendum to FIU's 2026 Annual Accountability Plan, which was approved by the Board of Trustees on April 20, 2026. She explained that the BOG requested the addendum to confirm projected nonresident undergraduate degree-seeking enrollment for upcoming terms, noting that the projection differs from the goals previously approved in the Accountability Plan. She noted that the approved plan included a 10% nonresident undergraduate enrollment goal through 2030, while the current projection is 8%.

4.4 Student Government Updates

Trustee Alyssa Mederos reported on Student Government Association (SGA) activities, including Student Body Senate meetings, leadership and committee chair elections, efforts to fill remaining Senate vacancies, and work with Vice President Isabella Romeo and Chief of Staff Melany Morales to meet with FIU leadership and complete the Executive Cabinet. She noted Student Government's participation in Orientation and Week of Welcome in support of the FIU Class of 2030 and highlighted upcoming events, including SGA Connect and Create on June 24, 2026 and the annual SGA Meet and Greet on July 14, 2026.

4.5 Faculty Senate Updates

Trustee Noël C. Barengo thanked Jennifer LaPorta and Carlos Castillo for their service and collaboration and congratulated Trustee Alyssa Mederos on her election as SGA President. He reported that the Faculty Senate Steering Committee has met four (4) times and that the Faculty Senate met three (3) times. He noted that, at its April meeting, the Faculty Senate elected officers, including Amy Paul-Ward as vice chair, Jennifer Abeloff as secretary, and Noël Barengo as Faculty Senate chair for a final two-year term. He added that the Faculty Senate adopted a statement reaffirming its commitment to the established search and screen process for dean appointments and emphasizing meaningful faculty participation and consultation in permanent and interim dean appointments. He noted faculty concerns regarding the College of Law dean search, while also acknowledging Provost Bejar's engagement with College of Law faculty. He stated that the Faculty Senate voted against removing the university-wide Global Learning graduation requirement and related references from University materials. Trustee Barengo thanked the deans who hosted faculty gatherings during the 2025-2026 academic year and noted that the next faculty gathering will be held at the Biscayne Bay Campus on September 10.

5. Academic Affairs Regular Reports: For Information Only

There were no questions from the Committee members in terms of the Academic Affairs regular reports included as part of the agenda materials.

6. New Business

No new business was raised.

7. Concluding Remarks and Adjournment

With no other business, Committee Vice Chair Yaffa Popack adjourned the meeting of the Florida International University Board of Trustees Academic Policy and Student Affairs Committee on Thursday, June 18, 2026, at 3:02 PM.



September 17, 2026

Subject: Tenure as a Condition of Employment Nominations

Proposed Action:

Florida International University Board of Trustees approval of six (6) candidates for Tenure as a Condition of Employment (TACOE).

Background Information:

Pursuant to Florida Board of Governors Regulation 1.001(5)(a), each board of trustees shall provide for the establishment of the personnel program for all the employees of the university, including but not limited to tenure.

The TACOE nominees hold tenure at their previous institution and have been selected to receive TACOE based on the caliber of their work.

Supporting Documentation:	Tenure as a Condition of Employment Nominees: • Overview • Biographies • Curricula Vitae
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Facilitator/Presenter:	Elizabeth M. Bejar
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Florida International University
Tenure as a Condition of Employment Nominations - September 2026

	Last Name	Name	College	Department	Proposed Rank
1	Albert	Jennifer	College of Engineering and Computing	Multidisciplinary Engineering and Computing Education, Systems, and Management	Associate Professor
2	Andrade	Mariana	College of Business	Information Systems and Business Analytics	Associate Professor
3	Billaut	Francois	College of Arts, Sciences & Education	Teaching and Learning	Associate Professor
4	Fang	Song	College of Engineering and Computing	Knight Foundation School of Computing and Information Sciences	Associate Professor
5	Klein	Richard	College of Business	Information Systems and Business Analytics	Professor
6	Sundvall	Scott	College of Arts, Sciences & Education	English	Associate Professor

Jennifer Albert



Tenure as a Condition of Employment
Department of Multidisciplinary Engineering and Computing Education, Systems, and
Management (ESM)
College of Engineering and Computing

Dr. Jennifer Albert earned her Ph.D. in Science Education from North Carolina State University in 2012. She joined The Citadel in 2015 as Assistant Professor and Director of the STEM Center of Excellence and was promoted to Associate Professor in 2021. Her research focuses on STEM and computing education, with particular emphasis on computational thinking integration, K-12 computer science education, and STEM teacher professional development. She has secured more than \$11 million in grant funding as Principal Investigator and more than \$5 million as Co-Principal Investigator. Her scholarship includes publications in leading venues, with more than 1,200 citations, demonstrating the impact and visibility of her work. Her teaching portfolio includes undergraduate and graduate courses spanning STEM education. She has extensive mentoring experience and has led professional development initiatives serving thousands of K-12 educators. Professionally, she has served as Director of The Citadel's STEM Center of Excellence for more than a decade and has held leadership roles with the Special Interest Group for Computer Science Education (SIGCSE), South Carolina State Science Olympiad, and has led statewide computer science and artificial intelligence initiatives. Her leadership in computing and STEM education positions her to play an important role in advancing FIU's efforts in computing education, teacher preparation, and STEM workforce development.

Mariana Andrade Rojas



Tenure as a Condition of Employment Department of Information Systems and Business Analytics College of Business

Dr. Mariana Andrade Rojas earned her Ph.D. in Innovation and Information Management from the University of Hong Kong in 2015. She subsequently held faculty appointments at IE Business School in Madrid, Spain, and Nanyang Technological University in Singapore before joining the University of Georgia in 2021. She received tenure and was promoted to Associate Professor in 2024 in the Department of Management Information Systems at the University of Georgia. Her research lies at the intersection of information systems and strategic management, with particular emphasis on innovation, firm performance, digital technologies, and data analytics. She has published several articles in premier journals, five of which are designated Elite. Her scholarship has been cited more than 680 times, and she maintains an active research agenda with multiple papers under review at leading journals. She has taught undergraduate, graduate, doctoral, and executive education courses in the United States, Europe, and Asia and has served as advisor or committee member for seven doctoral students. Professionally, Dr. Andrade Rojas is a well-established scholar with recognition at the international level. She has served as Associate Editor of *Information & Management*, as Editorial Review Board member of the *Journal of the Association for Information Systems*, and in leadership roles for major international conferences in information systems. Her research accomplishments, international scholarly engagement, and professional leadership position her to make significant contributions to FIU's Department of Information Systems and Business Analytics and the College of Business.

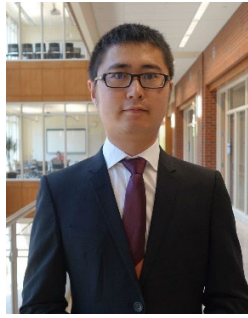
Francois Billaut



**Tenure as a Condition of Employment
Department of Teaching and Learning
School of Education and Human Development
College of Arts, Sciences & Education**

Dr. François Billaut earned his Ph.D. in Exercise Physiology from Université Toulon-Var, France, in 2004. He joined the University of Lethbridge in Canada as an Assistant Professor in 2006 and subsequently joined Victoria University in Australia as an Assistant Professor in 2010. In 2014, he was appointed Associate Professor in the Department of Kinesiology at Laval University and was promoted to the rank of Full Professor in 2018. His research focuses on exercise physiology and sport science, with particular emphasis on muscle oxygenation, hypoxic training and conditioning, neuromuscular function, and ischemic preconditioning. He has secured more than CAN\$3 million in external funding in support of this work. His scholarly contributions include 120 refereed publications. He has taught extensively in multiple modalities, and he has a sustained record of commitment to graduate and undergraduate mentorship and student development. Professionally, he has served in editorial leadership roles with leading journals in the field. He maintains extensive collaborations with universities, research institutes, and national sport organizations in Canada, the United States, Europe, and Australia. His professional leadership and applied research experience position him to make significant contributions to the Department of Teaching and Learning and to FIU's educational and research mission.

Song Fang



Tenure as a Condition of Employment Knight Foundation School of Computing and Information Sciences College of Engineering and Computing

Dr. Song Fang earned his Ph.D. in Computer Science and Engineering from the University of South Florida in 2018. He joined the University of Oklahoma as a tenure-track Assistant Professor in 2018 and was promoted to Associate Professor with tenure in 2024. His research focuses on cybersecurity, cyber-physical systems, Internet of Things security and privacy, wireless and mobile systems security, and the application of artificial intelligence to cybersecurity challenges. His scholarship appears in premier IEEE journals and conferences in cybersecurity, networking, and mobile systems. He has secured approximately \$1.5 million in research funding, primarily as sole Principal Investigator and holds three U.S. patents. His teaching portfolio includes computer security, Internet of Things systems, embedded systems security, and operating systems. He has successfully mentored doctoral, master's, and undergraduate researchers, including graduates who have gone on to pursue academic careers. Professionally, Dr. Fang serves as Associate Editor of IEEE Transactions on Dependable and Secure Computing and has held leadership roles in major cybersecurity conferences and engaged in NSF review activities. His scholarship, research funding record, and leadership in cybersecurity position him to make significant contributions to FIU's Knight Foundation School of Computing and Information Sciences and the College of Engineering and Computing.

Richard Klein



Tenure as a Condition of Employment Department of Information Systems and Business Analytics College of Business

Dr. Richard Klein earned his Ph.D. in Computer Information Systems from Georgia State University in 2002. He joined Clemson University as an Assistant Professor in 2002, was promoted to Associate Professor in 2009, and joined FIU in 2013. He was promoted to Professor in 2018 and served in several leadership roles at FIU. Prior to rejoining FIU, he served as Dean of the Stuart School of Business at the Illinois Institute of Technology following service as Vice Chancellor for Institutional Effectiveness and Student Success at the University of Nebraska at Omaha. His research focuses on the adoption and diffusion of technology across organizations, with particular emphasis on healthcare information systems, health informatics, electronic business initiatives, and interorganizational information systems. His scholarship includes twenty-four peer-reviewed publications, five of which are designated Elite. His teaching portfolio spans undergraduate, graduate, and doctoral education. He has served as chair, co-chair, or committee member on numerous doctoral dissertations and has contributed extensively to curriculum development and program innovation. Professionally, Dr. Klein currently serves as President of the Association for Information Systems College of Academic Leadership and has previously served as President of the Association for Information Systems Special Interest Group on IT in Healthcare. His scholarly accomplishments, disciplinary leadership, and extensive higher education administrative experience position him to make significant contributions to FIU's Department of Information Systems and Business Analytics and the College of Business.

Scott Sundvall



**Tenure as a Condition of Employment
Department of English
School of Environment, Arts and Society
College of Arts, Sciences & Education**

Dr. Scott Sundvall earned his Ph.D. in English with a specialization in Rhetoric, Composition, and New Media from the University of Florida in 2016. He joined the University of Memphis in 2016, was appointed Assistant Professor of English in 2018, and was tenured and promoted to Associate Professor in 2023. Prior to joining FIU, he served as Coordinator of the Writing, Rhetoric, and Technical Communication Program and was Affiliate Faculty in the Institute for Intelligent Systems. His research focuses on rhetoric, digital writing, new media, and artificial intelligence. His scholarship includes an edited volume, two co-edited special issues, seven refereed journal articles, four book chapters, and several reference works, establishing a nationally visible profile in rhetoric and technology studies. His teaching portfolio spans first-year writing, advanced composition, digital rhetoric, technical writing, and graduate seminars. He has substantial graduate mentoring experience and is recognized for innovative, context-aware pedagogy that integrates emerging technologies. Professionally, Dr. Sundvall has served as Director of the Center for Writing and Communication, Production Editor of *Enculturation*, co-organizer of the Southern Regional Composition Conference, and as reviewer for leading journals, conferences, and academic presses. His scholarship, interdisciplinary engagement, and leadership in ethical AI and digital writing studies position him to make significant contributions to FIU's Department of English and College of Arts, Sciences and Education.

Jennifer L. Albert

<http://jenniferalbert-stem.weebly.com/>
www.linkedin.com/in/albertjennifer

PROFESSIONAL EXPERIENCE

- 2015-Present The Citadel, Charleston, SC; Zucker Family School of Education
- 2021-current: Associate Professor & Director of the STEM Center of Excellence
 - 2015-2021: Assistant Professor & Director of the STEM Center of Excellence
- 2022 University of Canberra, Canberra, ACT, Australia; STEM Education Research Centre
- May-September 2022: Fulbright Scholar Researcher
- 2006-2015 North Carolina State University, Raleigh, NC
- 2013-2015: Postdoctoral Researcher, Department of Computer Science
 - 2010-2013: Research Associate/Project Manager, Department of STEM Education, STEM Teams Grant
 - 2009-2010: Outreach Coordinator, The Science House
 - 2006-2009: Graduate Research Assistant, College of Education

EDUCATION

- 2012 North Carolina State University, Raleigh, NC
Doctor of Philosophy in Science Education
Dissertation Chairs: Dr. Margaret R. Blanchard and Dr. Eric N. Wiebe
Dissertation: *Using Student-Generated Animations about Water Boiling to Impact Student Understanding of the Particulate Nature of Matter*
- 2005 Austin Peay State University, Clarksville, TN
Master of Arts in Curriculum and Instruction
- 2003 North Carolina State University, Raleigh, NC
Bachelor of Science in Chemistry, Minor in Spanish

SUMMARY OF RELEVANT EXPERIENCE:

Dr. Albert has over 20 years of experience in education and is an experienced researcher in the use of educational technology in science and computer science education. She has received extensive funding from NSF and other agencies to examine teacher's integration of computational thinking in their content area classrooms.

As a 2022 Fulbright Scholar at the University of Canberra, she is committed to international collaboration and working with multidisciplinary research teams. She publishes across disciplines: computer science education, science education, literacy education, and technology education with a focus on teacher professional development. She has also mentored undergraduate and graduate students around a variety of research topics, including hydroponic farming.

Dr. Albert has extensive experience in co-designing curriculum. She has worked with classroom teachers and colleagues to create a large collection of lessons, mostly around integrating computational thinking. She has also taught a wide variety of subjects in both undergraduate and graduate levels (see below).

HONORS AND SCHOLARSHIPS

2023	Phi Kappa Phi Inductee
2020-current	Fellow in the James Near Center for Climate Studies at The Citadel
2020	Faculty Fellow in Residence for the Center for Excellence and Innovation in Teaching and Distance Education at The Citadel
2018-2020	Faculty Fellow in the Center for Excellence and Innovation in Teaching and Distance Education at The Citadel
2018	Honoree for South Carolina Faculty Award for Service Learning
2017	Gear of Excellence from Reforge Charleston
2016-current	Faculty Fellow in The Citadel's Center for Cyber, Intelligence, and Security Studies (CCISS) at The Citadel
2016 Citadel	Faculty Fellow in Service Learning and Civic Engagement at The Citadel
2010	CED Doctoral Dissertation Support Grant
2008	Penick Foundation Scholarship

K-12 TEACHING EXPERIENCE

2004-2006	Rossvie High School, Clarksville, TN • Science Teacher - Chemistry & AP Chemistry
2003-2004	Northwest High School, Clarksville, TN • Science Teacher - Life Science & Physical Science

HIGHER EDUCATION TEACHING EXPERIENCE

The Citadel - Course Evaluation Average range - 4.3-4.8 out of 5

EART 201 - Earth Science for Educators
EDUC 101 – Educational Foundations
EDUC 401 – Methods in Secondary Teaching
EDUC 402 – Science Methods in Secondary Teaching
EDUC 499/520 Internship in Student Teaching
EDUC 529 – Emerging Technology for School Administrators
EDUC 543 Teaching, Learning, and Assessing with Technology
EDUC 544 – Project-Based Learning in STEM Education
EDUC 546 – Leadership and Critical Thinking in STEM Education
EDUC 547 Research in STEM Education
EDUC 548 – Multidisciplinary Experimental Design and Implementation
EDUC 549 – Applications of Data Methods
EDUC 587A – Science of Food
EDUC 587B – Earth Science
EDUC 587C – Physical Computing for Educators
EDUC 587D – Makerspace Education
EDUC 587E – Robotics Education
EDUC 587F – Sustainability Education
EDUC 623 - Science Methods in Secondary Teaching
EDUC 670 – Foundations of STEM I
EDUC 680 – Foundations of STEM II
FNAR 350 - Technology in Art
SCSS 305 – The Future of Sustainability

North Carolina State University

EMS 203 Introduction to Teaching Science – Spring 2008 Teaching Assistant
EMS 375 Methods of Teaching Science I – Spring 2009 Teaching Assistant
EMS 476 Supervised 1 student teacher - Fall 2011 – 8th grade science
EMS 521 Advanced Methods I in Science Education; synchronous/online, Spring 2011 – Co-instructor
EMS 531 Introduction to Research in Science Education; synchronous/online, Spring 2012 – Co-instructor for half-semester
EMS 573 Technology Tools for Science Teaching; synchronous/online, Fall 2011 – Co- instructor/Fall 2012 – Lead instructor

SCHOLARSHIP

RESEARCH METRICS (2/21/26)

of Citations (according to Google Scholar): 1286

h-index (publications cited at least 9 times): 14

i10-index (publications cited at least 10 times): 19

CURRENT RESEARCH PROJECTS

- Broaden participation through integrating computational thinking in content-area lessons: How do teachers co-design CT-infused lessons for all students? Which supports do teachers need to implement CT-infused lessons? How does teachers' knowledge of and pedagogy supporting CT integration change over time? How does students' understanding of CT change? (funding from NSF RPP and recently completed NSF STEM+C)
- STEM teacher professional development: Which evidence-based strategies (e.g., teacher professional development, teacher collaborative time, co-design of lessons, community of practice) are most effective in the creation of highly-effective teacher leaders in rural districts? How do middle school mathematics teachers integrate instructional practices, designed to support students' mathematical literacy, into their teaching? (funding from NSF NOYCE and SC CHE Centers of Excellence grant)

GRANTS and GIFTS - over \$11M as PI + over \$5M as co-PI

- G28. **Albert, J.L.**, Joswick, C., Jocius R., Joshi, D., Blanton, M., & O'Byrne, W.I. Collaborative Research: Engaging K-8 Teachers in Integrating Computer Science, AI, and Cybersecurity into Standard-Based Teaching, National Science Foundation #2509043, \$1,869,775, September 2025 - August 2029.
- G27. **Albert, J.L.** & Joshi, D. Robert Noyce Teacher Scholarship Program Track 3 Project: Building High-Quality Computer Science Teacher Leaders, National Science Foundation Noyce #2448449, \$1,630,649, October 2025 - September 2030.
- G26. Akram, B., Barnes, T., Jiang, S., & **Albert, J.L.** Investigation of students' learning, interest, and career aspirations in an integrated Science and Artificial Intelligence learning environment (i-SAIL), National Science Foundation DRK12 #2405862, \$2,999,966, Sept. 2024 - Aug. 2028.
- G25. **Albert, J. L.**, Jocius, R., Joshi, D., Jostwick, C., & Blanton, M. Unpacking CT for Elementary Classrooms, National Science Foundation DRK12 #2300322, \$2,550,527, June 2023 - May 2028.

- G24. **Albert, J. L.** & Robinson, R. Track 3: MTF: Learning to Lead (L2L): Building STEM Teacher Leaders that Broaden Participation in High-Needs Schools, National Science Foundation NOYCE #2151088, \$1,479,016, Oct. 2022 - Sept. 2027.
- G23. **Albert, J. L.** Robinson, R., & Kane, B., Center of Excellence for Mathematical Literacy, SC Commission on Higher Education, \$434,040, 2022-2025.
- G22. Banik, S., Verdicchio, M., Nance, C., Navarro, J., Mukherjee, A., & **Albert, J. L.** GenCyber Cybersecurity Student Camp Grant, National Intelligence Agency and National Science Foundation, \$99,000, Summer 2023.
- G21. Banik, S., Verdicchio, M., Nance, C., Navarro, J., Mukherjee, A., & **Albert, J. L.** GenCyber Cybersecurity Student Camp Grant, National Intelligence Agency and National Science Foundation, \$99,000, Summer 2022.
- G20. Ortlieb, E., Robinson, R., & **Albert, J. L.**, Center of Excellence for Mathematical Inquiry, SC Commission on Higher Education, \$104,750, 2020-2021.
- G19. Banik, S., Verdicchio, M., Nance, C., Navarro, J., Mukherjee, A., & **Albert, J. L.** GenCyber Cybersecurity Student Camp Grant, National Intelligence Agency and National Science Foundation, \$95,845, Summer 2020.
- G18. Banik, S., Jensen, C., **Albert, J.**, Navarro, J., & Verdicchio, M. CyberCorps: Principled Leaders with Cybersecurity Expertise, NSF CyberCorp #1946553, \$1,072,304 (expected to total \$2,875,863), Jan. 1, 2020 – Dec. 31, 2024
- G17. **Albert, J.**, Jocius, R., Joshi, D., & Kane, B. CSforAll: RPP: Making CT: Integrating Computational Thinking into Elementary Classrooms, NSF CSforALL:RPP #1923503, \$298,501, Sept. 2019 – Aug. 2022.
- G16. Banik, S., Navarro, J., Mukherjee, A., & **Albert, J. L.** GenCyber Cybersecurity Student Camp Grant, National Intelligence Agency and National Science Foundation, \$62,000, Summer 2019.
- G15. Banik, S., Navarro, J., Mukherjee, A., & **Albert, J. L.** GenCyber Cybersecurity Student Camp Grant, National Intelligence Agency and National Science Foundation, \$63,367, Summer 2018.
- G14. **Albert, J.** Google CS4HS Grant, \$35,000. March 2018-2019.
- G13. **Albert, J.** AP Institute Grant, \$12,685. South Carolina Department of Education, March 2018 – June 2018.
- G12. **Albert, J.**, Jocius, R., Joshi, D. & Robinson, R. Collaborative Research: Integrating computing in STEM: Designing, developing, and investigating a team-based professional development model for middle- and high-school teachers. NSF-STEM+C Award # 1742332, \$2,438,000, Sept. 2017 – Aug. 2022.

- G11. **Albert, J.**, & Jocius, R. Determining the Efficacy of Maker Activities by Navigating Discourse (DEMAND). NSF-EAGER Award # 1723661, \$284,560, June 2017 – June 2019.
- G10. **Albert, J.** AP Institute Grant, \$23,912. South Carolina Department of Education, March 2017 – June 2017.
- G9. **Albert, J.**, Robinson, R., & Jocius, R. Improving Teacher Quality Grant: Promoting Problem Solving & Sense Making: Engaging Teachers in the Mathematical Process. SC Commission of Higher Education. \$172,257.50, January 2017-August 2018.
- G8. Joshi, D., Robinson, R., & **Albert, J.** Centers of Excellence Grant: STEM Ambassadors. SC Commission on Higher Education. \$112,500, Sept. 2017-2018.
- G7. **Albert, J.** Regional Partnership with Code.org. \$87,200, Sept. 2016 – Aug. 2019.
- G6. Joshi, D., Robinson, R., & **Albert, J.** Centers of Excellence Grant: STEM Ambassadors. SC Commission on Higher Education. \$112,500, Sept. 2016-2017.
- G5. Banik, S., Rudolph, G., Joshi, D., & **Albert, J. L.** GenCyber Cybersecurity Teacher Grant, National Intelligence Agency and National Science Foundation, \$99,038, Summer 2016.
- G4. **Albert, J.** Google CS4HS Grant, \$35,000. March 2016-2017.
- G3. **Albert, J.** Gift of \$100,000 for Citadel Sustainability Project, December 2016
- G2. **Albert, J.** Gift of \$10,000 for Citadel Sustainability Project from Alumni, February 2016.
- G1. Gosha, K, Lewis, C & **Albert, J.** Broadening Participation Research Project: Exploring Computing Careers through a Virtual Career Fair Using Embodied Conversational Agents. NSF-HBCU-UP Award #1533627, \$348,501, Sept 2015-2018.

Master's Thesis Committee

Kimberly Gray (Summer 2017)

Thesis: Impact of a summer camp exposing children to science, technology, engineering, arts, and mathematics

Refereed Journal Articles

**Designates cadet co-author

- J23. Jocius, R., Joswick, C., **Albert, J.**, Joshi, D., & Blanton, M. (2025). Towards pedagogical content knowledge learning trajectories: tracing elementary

- teachers' infusion of computational thinking, *Professional Development in Education*, 51(5), 815–834. <https://doi.org/10.1080/19415257.2023.2228813>.
- J22. Jocius, R., Joshi, D., Blanton, M., **Albert, J.**, & O'Byrne, W. I. (2025). Moving Through the Messy Middle: Longitudinal Case Studies of Teachers' Computational Thinking Infusion. *Technology, Knowledge and Learning*, 1-25.
- J21. Jocius, R., **Albert, J.**, O'Byrne, I., Joshi, D., Robinson, R., & Blanton M. (2023). Computational thinking infusion as transformative teaching: Investigating content area teacher perspectives and practices. *Computer Science Education*, 34(2), 222-251.
- J20. Jocius, R., **Albert, J.**, Joshi, D., Blanton, M., & O'Byrne, W. (2023). Creating sustainable computational thinking infusion: an analysis of teacher-led practitioner inquiry projects, *Journal of Technology and Teacher Education*, 31(4), 492-522.
- J19. Jocius, R., Albert, J., Bhonsle, R., Joshi, D., O'Byrne, I., & Blanton, M. (2023). Connecting a community through computational thinking and robotics. *Connected Science Learning* 5(1), <https://www.nsta.org/connected-science-learning/connected-science-learning-february-march-2023/connecting-community>
- J18. Blanton, M., Jocius, R., **Albert, J.L.**, Joshi, D., & Andrews, A. (2023). Dragons, Squishy Circuits, and Computational Thinking: Integrating Scientific Literacies into Elementary Classrooms. *Language Arts*, 100(4), 269-281.
- J17. Jocius, R., O'Byrne, W.I., **Albert, J.**, Joshi, D., Blanton, M., Robinson, R., Andrews, A., Barnes, T., & Catete, V. (2022). Building a Virtual Community of Practice: Teacher Learning for Computational Thinking Infusion. *TechTrends*. 10.1007/s11528-022-00729-6
- J16. Wiegand, R.P., Bucci, A., Kumar, A., **Albert, J.L.**, & Gaspar, A. (2022). Identifying informatively easy and informatively hard concepts. *ACM Transactions on Computing Education (TOCE)*, 22(1), 1-28.
- J15. Jocius, R., O'Byrne, W.I., **Albert, J.**, Robinson, R., Joshi, D., Andrews, A., & Blanton, M. (2021). Leveraging Virtual Professional Development to Build Computational Thinking Literacies in English Language Arts Classrooms. *CITE Journal (English)*, 21(4). (acceptance rate: 29%).
- J14. Jocius, R., O'Byrne, **Albert, J.**, Joshi, D., Robinson, R., & Andrews, A. (2021). Infusing Computational Thinking into STEM Teaching: From Professional Development to Classroom Practice. *Journal of Educational Technology & Society*, 24(4).
- J13. Jocius, R., **Albert, J.L.**, Andrews, A., & Blanton, M. (2020). A study in contradictions: Exploring standards-based making in elementary classrooms. *The Journal of Educational Research*, 113(5), 396-403. (2019 impact factor: 1.400).

- J12. Bari, A. G., Gaspar, A., Wiegand, R. P., **Albert, J. L.**, Bucci, A., & Kumar, A. N. (2019). EvoParsons: design, implementation and preliminary evaluation of evolutionary Parsons puzzle. *Genetic Programming and Evolvable Machines*, 20(2), 213-244. (2019 impact factor: 1.781).
- J11. **Albert, J.L.** & Martinez, D.** (February/March 2019). Cadets create indoor farm inside shipping containers. *Mother Earth News*.
- J10. Imam, S., **Albert, J.L.**, Jocius, R. (January 2019). How Do You Stay Fit in Space?: Exploring Exercise Through Project-Based Learning. *Science Scope*. "Science Scope is an award-winning, peer-reviewed, practitioners' journal for grade 6–8 teachers, university faculty responsible for teacher preparation, and state and district science supervisors and leaders."
- J9. Blanchard, M. R., Kier, M. W., Stevens, V. & **Albert, J. L.** (2017). STEM Bingo: A STEM Careers Game. *Science Scope*.
- J8. Addy, T. M., Simmons, P. E., Gardner, G. E. & **Albert, J. L.** (2015). A New "Class" of Undergraduate Professors: Examining Teaching Beliefs and Practices of Science Faculty with Education Specialties. *Journal of College Science Teaching*, 44(3).
- J7. **Albert, J. L.**, Blanchard, M. R., Kier, M. W., Carrier, S. J., & Gardner, G. E. (2014). Supporting teachers' technology integration: A descriptive analysis of social and teaching presence in technical support sessions. *Journal of Technology and Teacher Education*, 22(2), 137-165. #1 Journal Ranking in "Teacher Education and Technology" (H Index)
- J6. Kier, M. W., Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2014). The Development of the STEM career interest survey (STEM-CIS). *Research in Science Education*, 44(3), 461-481. (5-year impact factor: 2.116, 201 citations).
- J5. **Albert, J. L.**, Blanchard, M. R., Keene, K., & Kinton, J. (2014). The Great Iced Tea Debate. *Science Scope*, 37(8).
- J4. Kier, M. W., Blanchard, M. R., & **Albert, J. L.** (2014). Connecting students to STEM careers. *Science Scope*, 37(6).
- J3. Blanchard, M. R. & **Albert, J. L.** (2011). Tried and True: No Matter the Weather, We'll Measure Together. *Science Scope*, 34(9), 66-70. [Accessed by 60,000 NSTA members]
- J2. **Albert, J. L.**, Blanchard, M. R., Grable, L. L., & Reed, R. (2010). It's ELEMENTARY Watson! A crime scene investigation with a technological twist. *Science Scope*, 34(4), 16-22. [Accessed by 60,000 NSTA members]
- J1. Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2009). Rev your engines! Linking physical science and math with car labs. *The Science Teacher*, 76(2), 35-40.

Refereed Book Chapter

- BC4. Kane, B. D., Robinson, R., Blanton, M. & **Albert, J.** (in press). Letting the mathematics lead in mathematical literacy: A conceptual framework for how literacy is implicated in mathematics. In Scott, C., Miller, D. & Albert, M. Eds.

Cultivating Literate Citizenry Through Interdisciplinary Instruction. IGI Global Publishing.

- BC3. Jocius, R., Blanton, M., **Albert, J.**, Joshi, D., & Andrews, A. R. (2021). Computational Thinking and Making in Virtual Elementary Classrooms. In *Handbook of Research on Transforming Teachers' Online Pedagogical Reasoning for Engaging K-12 Students in Virtual Learning* (pp. 359-378). IGI Global.
- BC2. **Albert, J.L.**, Jocius, R., Barnes, T., Joshi, D., Catete, V., Robinson, R., O'Byrne, W., & Andrews, A. (2020). Research-based Design Recommendations for Transitioning a Computational Thinking Integration Summer Professional Development to a Virtual Format. In Ferdig, R.E., Baumgartner, E., Hartshorne, R., Kaplan-Rakowski, R. & Mouza, C. (Eds.). *Teaching, Technology, and Teacher Education during the COVID-19 Pandemic: Stories from the Field*. Association for the Advancement of Computing in Education (AACE). Retrieved June 15, 2020 from <https://www.learntechlib.org/p/216903/>.
- BC1. **Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2015). How high school students construct or create animations about water boiling. In K.D. Finson & J. Pederson (Eds.), *Application of Visual Data in K-16 Science Classrooms*.

Refereed Conference Proceedings

- CP13. **Albert, J.**, Joswick, C., Joshi, D., Jocius, R., Blanton, M., & Petrulis, R. (2024, March). Elementary Teachers Engaging with Learning Trajectories to Create Professional Learning Goals around Computer Science Integration. In *Proceedings of the 55th ACM Technical Symposium on CS Education V. 2* (p. 1554-1555).
- CP12. Jocius, R., Joshi, D., **Albert, J.**, Barnes, T., Robinson, R., Cateté, V., ... & Andrews, A. (2021, March). The Virtual Pivot: Transitioning Computational Thinking PD for Middle and High School Content Area Teachers. In *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education* (pp. 1198-1204).
- CP11. Jocius, R., Joshi, D., Dong, Y., Catete, V., Robinson, R., Barnes, T., **Albert, J.** & Lytle, N. (2020). Code, connect, create: The 3C model for integrating computational thinking into content area classrooms. *Proceedings of the ACM Technical Symposium on Computer Science Education (SIGCSE '20)*. ACM, New York, NY, USA.
- CP10. Jocius, R., **Albert, J.**, Andrews, A. & Blanton, M. (2020). Exploring teachers' approaches to standards-based making in elementary classrooms. In G. Marks & D. Schmidt-Crawford (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1115-1119). Association for the Advancement of Computing in Education (AACE).

- CP9. Jocius, R., **Albert, J.**, Andrews, A., Joshi, D. & Robinson, R. (2020). Infusing Computational Thinking into Disciplinary Teaching: From Professional Development to Classroom Practice. In D. Schmidt-Crawford (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1751-1755).
- CP8. Jocius, R., **Albert, J.**, & Andrews, A. (2019). Scaffolding pedagogical change: Professional development to support elementary teachers in implementing mobile maker kits. In *Proceedings of the Society for Information Technology & Teacher Education International Conference 2019* (pp. 1569-1577). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- CP7. Jocius, R., **Albert, J.**, Andrews, A., Catete, V., Dong, Y., Joshi, D., Robinson, R., Barnes, T., & Lytle, N. (2019). Infusing computing through professional development: Shifts in content area teachers' understandings of computational thinking integration. In *Proceedings of the Society for Information Technology & Teacher Education International Conference 2019* (pp. 302-305). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- CP6. Dong, Y., Cateté, V., Jocius, R., Lytle, N., Barnes, T. **Albert, J.**, Joshi, D., Robinson, R., & Andrews, A. (2019). PRADA: A practical model for integrating computational thinking in K-12 education. In *Proceedings of the 50th ACM Technical Symposium on Computer Science Education (SIGCSE '19)*. ACM, New York, NY, USA, 906–912.
- CP5. Dong, Y., Cateté, V., Lytle, N., Isvik, A., Barnes, T., Jocius, R., **Albert, J.**, Joshi, D., Robinson, R., & Andrews, A. (2019). Infusing computing: Analyzing teacher programming products in K-12 computational thinking professional development. In *Proceedings of the 2019 ACM Conference on Innovation and Technology in Computer Science Education*. ACM, New York, NY, USA, 278-284.
- CP4. **Albert, J. L.**, Jones, K. R., Joshi, D., & Jocius, R. (2016). What do Activity Trackers and a Tablet Have in Common? STEM Ambassador Lesson Plans, Tips, and Tricks. *Proceedings of the Society for Information Technology & Teacher Education International Conference 2016*.
- CP3. **Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2012). Do student-generated digital animations enhance student understanding of water boiling? A study comparing student learning in a Sci Vis course. *Proceedings of the Association for Science Teacher Education 2012*. Retrieved 4-01-12 from <http://theaste.org/publications/proceedings/2012proceedings.pl>
- CP2. Blanchard, M. R., Grable, L. L. & **Sharp, J. L.** (2009). Scaffolding Technology Integration of Middle School Science and Mathematics: Comparing the Results of Two Models of Teacher Professional Development. In I. Gibson et al. (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2009* (pp. 4015-4019). Chesapeake, VA: AACE.

- CP1. Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2009). Videoconferencing versus Face-to-Face: Comparing the satisfaction of rural, middle school teachers with two different follow-up methods to teacher professional development. *Proceedings of the Association for Science Teacher Education 2009*. Retrieved 2-24-10 from <http://theaste.org/cgi-bin/2009conference/2009proceedings.pl>.

Reports

- R1. **Albert, J. L.** (2018). South Carolina State Digital Learning Plan. *SC Department of Administration*.

Refereed Conference Paper/Poster Presentations

- P74. Joshi, D., Jocius, R., **Albert, J.**, Joswick, C., & Blanton, M.. (2026, February). CRAFT prompt generation framework for teachers. Poster presented at the annual conference of the ACM Special Interest Group for Computer Science Education (SIGCSE): St. Louis, MO.
- P73. Rao, A., Piryani, K., Jiang, S., Barnes, T., **Albert, J.**, Hill, M., & Akram, B. (2026, February). Leveraging an LLM-Driven feedback system to support computational thinking and AI-integrated STEM learning. Poster presented at the annual conference of the ACM Special Interest Group for Computer Science Education (SIGCSE): St. Louis, MO.
- P72. Rao, A., Piryani, K., Jiang, S., Barnes, T., **Albert, J.**, Hill, M., & Akram, B. (2025, June). Leveraging large language models to promote AI-infused STEM problem-solving for middle school students. Paper presented at the annual conference of the Educational Data Mining in Computer Science Education Workshop (CSEDM): Palermo, Sicily, Italy.
- P71. Blanton, M., Zareen, F., & **Albert, J.** (2025, March). Fun But Still Fuzzy: Understanding Shifts in Middle School Students' AI Literacy Development during an Informal STEM Camp. Paper presented at the annual conference of the Society for Information Technology & Teacher Education (SITE): Orlando, FL.
- P70. Blanton, M., Joswick, C., Jocius, R., **Albert, J.**, & Joshi, D. (2025, March). Teacher Reflections on a 3C Professional Development Model for Integrating Computational Thinking in Early Childhood and Elementary Classrooms. Paper presented at the annual conference of the Society for Information Technology & Teacher Education (SITE): Orlando, FL.
- P69. Joshi, D., Joswick, C., Jocius, R. **Albert, J.L.**, Blanton, M., Petrulis, R., & Dawson, T. (2025, February). Assessing Elementary Teachers' Knowledge of Integrated Computational Thinking. Poster presented at the annual conference of the ACM Special Interest Group for Computer Science Education (SIGCSE): Pittsburgh, PA.

- P68. Kane, B.D., Robinson, R., Blanton, M., & **Albert, J.L.** (2024, December). Letting the Mathematics Lead: A Framework for Understanding How Literacy is Implicated in Mathematics. Paper presented at the annual conference of the Literacy Research Association: Atlanta, GA.
- P67. Blanton, M., Jocius, R., **Albert, J.L.**, & Joshi, D. (2024, December). Texts, Twists, and Teacher Talk: Analyzing the Teacher Moves Made During Interactive Read-Alouds to Introduce Computational Thinking. Paper presented at the annual conference of the Literacy Research Association: Atlanta, GA.
- P66. Kane, B. D., Robinson, R., Blanton, M. & **Albert, J.** (2024, April). Letting the mathematics lead: A framework for understanding how literacy is implicated in mathematics. Poster presented at the annual conference of the American Educational Research Association: Philadelphia, PA.
- P65. Jocius, R., Joshi, D., Blanton, M. & **Albert, J.** (2024, April). Exploring the Messy Middle: Longitudinal Case Studies of Teacher Learning About Computational Thinking Infusion. Paper presented at the annual conference of the American Educational Research Association: Philadelphia, PA.
- P64. **Albert, J.**, Joswick, C., Joshi, D., Jocius, R., Blanton, M., & Petrulis, R. (2024, March). Elementary Teachers Engaging with Learning Trajectories to Create Professional Learning Goals around Computer Science Integration. Poster presented at the annual conference of the ACM Special Interest Group for Computer Science Education (SIGCSE): Portland, OR.
- P63. Jocius, R., Blanton, M., O'Byrne, W., **Albert, J.**, & Joshi, D. (2023, December). Centering Teacher Autonomy: An Analysis of Practitioner Inquiry Projects for Computational Thinking Infusion. Paper presented at the annual conference of the Literacy Research Association Conference, Atlanta, GA.
- P62. Blanton, M. Jocius, R., **Albert, J.**, & Joshi, D (2023, December). Teaching computational thinking through the humanities and humanistic social sciences. Paper presented at the annual conference of the Literacy Research Association Conference, Atlanta, GA.
- P61. Jocius, R., **Albert, J.**, O'Byrne, W., Joshi, D., & Blanton, M. (2023, April). Computational Thinking Across the Content Areas: Examining Teachers' Perspectives and Practices. Paper presented at the annual conference of the American Educational Research Association: Chicago, IL.
- P60. Joshi, D., Jocius, R., Blanton, M., **Albert, J.**, & O'Byrne, W. (2023, March). Project Sustainability through Teacher Autonomy in CT Infusion. Paper presented at the annual conference of the ACM Special Interest Group for Computer Science Education (SIGCSE): Toronto, Canada.
- P59. Jocius, R., **Albert, J.**, Blanton, M., Joshi, D, & O'Byrne, W. (2023, March). Content Area Teachers' Approaches to Computational Thinking Infusion. Paper presented

- at the annual conference of the Society for Information Technology and Teacher Education Conference, New Orleans, LA.
- P58. Jocius, R., Blanton, M., **Albert, J.**, O'Byrne, W., & Joshi, D. (2022, December). Unpacking Computational Thinking Literacies: Curricular Materials, Dispositions, and Teacher Learning. Paper to be presented at the Literacy Research Association Conference, Phoenix, AZ.
- P57. Jocius, R., **Albert, J.**, O'Byrne, W., Blanton, M., Joshi, D., Robinson, R., & Andrews, A. (2022, April). Teacher learning in the virtual classroom. Paper presented at the American Educational Research Association Conference, San Diego, CA.
- P56. Blanton, M., Jocius, R., **Albert, J.**, Andrews, A., & Joshi, D. (2022, April). Leveraging virtual professional development to support elementary teachers' understandings of computational thinking. Poster presented at the American Educational Research Association Conference, San Diego, CA.
- P55. Jocius, J., Blanton, M., **Albert, J.**, Andrews, A., & Joshi, D. (2021, December). Sandcastles, dragons, and algorithms: using read-alouds to develop computational thinking skills. Paper presented at the Literacy Research Association Conference, Atlanta, GA.
- P54. **Albert, J.**, Joshi, D., & Robinson, R. (2021, December). Towards a grounded theory of disciplinary computational thinking. Paper presented at the Literacy Research Association Conference, Atlanta, GA.
- P53. Jocius, R., Joshi, D., **Albert, J.**, Barnes, T., Robinson, R., Catete, V., Dong, Y., Blanton, M., O'Byrne, W.I., & Andrews, A. (2021, March). The Virtual Pivot: Transitioning Computational Thinking PD for Middle and High School Content Area Teachers. Paper to be presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Orlando, FL.
- P52. Jocius, R., **Albert, J.**, Andrews, A., & Blanton, M. (2020, April). Exploring Teachers' Approaches to Standards-Based Making in Elementary Classrooms. In Society for Information Technology & Teacher Education International Conference (pp. 1314-1318). Association for the Advancement of Computing in Education (AACE).
- P51. Jocius, R., Joshi, D., Dong, Y., Catete, V., Robinson, R., Barnes, T., **Albert, J.** & Lytle, N. (2020, March). Code, connect, create: The 3C model for integrating computational thinking into content area classrooms. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Portland, OR.
- P50. Jocius, R., **Albert, J.**, Andrews, A. & Blanton, M. (2020). Exploring teachers' approaches to standards-based making in elementary classrooms. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference.

- P49. Jocius, R., **Albert, J.**, Andrews, A., Joshi, D. & Robinson, R. (2020). Infusing Computational Thinking into Disciplinary Teaching: From Professional Development to Classroom Practice. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference.
- P48. Dong, Y., Catete, V., Jocius, R., Lytle, N., Barnes, T., **Albert, J.**, Joshi, D., Robinson, R., & Andrews, A. (2019, July). Infusing computing: Analyzing teacher programming products in K-12 computational thinking professional development. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Aberdeen, UK.
- P47. Jocius, R., **Albert, J.L.**, & Andrews, A. (2019, April). Navigating standards-based making practices in elementary classrooms. Paper presented at the American Educational Research Association Conference, Toronto, CA.
- P46. Dong, Y., Catete, V., Jocius, R., Lytle, N., Barnes, T., **Albert, J.**, Joshi, D., Robinson, R., & Andrews, A. (2019, March). PRADA: A practical model for integrating computational thinking in K-12 education. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Minneapolis, MN.
- P45. Jocius, R., Andrews, A., & **Albert, J. L.** (2019, March). Scaffolding Pedagogical Change: Professional Development to Support Elementary Teachers in Implementing Mobile Maker Kit. Paper presented at the Society for Information Technology & Teacher Education, Las Vegas, NV.
- P44. Koester, M., **Albert, J.L.**, & Van Sickle, M. (2019, January). Not a Crapshoot: Winning Strategies for Collaborative Science Teacher Education, Research, and Practice in “Failing Schools”. Paper presented at the Association for Science Teacher Education Conference, Savannah, GA.
- P43. Jocius, R., **Albert, J. L.**, Andrews, A. (2018, November). Taking making to the classroom: exploring standards-based maker kits. Symposium presented at the Literacy Research Association Conference, Indian Wells, CA.
- P42. Miller, M.**., Ganezer, J**., Cudd, R. M.**., Gustafson, D., & **Albert, J. L.** (2018, March). *Comparing nutrients and quality of aeroponically grown lettuce versus lettuce purchased from a grocery store*. Paper presented at the 79th Annual Meeting of Association of Southeastern Biologists, Myrtle Beach, SC.
- P41. **Albert, J.L.**, Jocius, R., Robinson, R., & Joshi, D. (2018, March). *Lesson learned from PD on Problem-Solving and Sense-Making*. Paper presented at the Interdisciplinary STEM Teaching & Learning Conference, Savannah, GA.
- P40. Koester, M., Van Sickle, M., & **Albert, J.** (2018, January). *Making a case for STEAM: It's not just an educational fad*. Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Baltimore, MD.

- P39. Gaspar, A., Golam, A. T. M., Wiegand, R. P., Bucci, A., Kumar, A., & **Albert, J. L.** (2017, May). *Evolutionary Practice Problems Generation: More Design Guidelines*. Paper presented at the international annual meeting of The Florida Artificial Intelligence Research Society, Key Largo, FL.
- P38. **Albert, J. L.** (2017, January). *Impact of a unique STEM competition on students and teachers*. Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Des Moines, IA.
- P37. Gaspar, A., Golam, A. T. M., Kumar, A., Bucci, A., Wiegand, R.P., & **Albert, J.** (2016, November). *Evolutionary Practice Problems Generation: Design Guidelines*. Paper presented at 28th International Conference on Tools with Artificial Intelligence (ICTAI 2016).
- P36. Bucci, A., Wiegand, R. P., Kumar, A., **Albert, J. L.**, & Gaspar, A. (2016, May). *Dimension extraction analysis of student performance on problems*. Paper presented at the international annual meeting of The Florida Artificial Intelligence Research Society, Key Largo, FL.
- P35. Price, T. W., Catete, V., **Albert, J. L.**, & Barnes, T. M. (2016, March). *Lessons Learned from "BJC" CS Principles Professional Development*. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Memphis, TN.
- P34. Wiegand, R. P., Kumar, A., Bucci, A., **Albert, J. L.**, & Gaspar, A. (2016, March). *A data-driven analysis of informatively hard concepts in introductory programming*. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Memphis, TN.
- P33. **Albert, J. L.** (2016, January). *Adding computational thinking to your science lesson: what should it look like?* Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Reno, Nevada.
- P32. Price, T. W., Catete, V., **Albert, J. L.**, & Barnes, T. M. (2015, August). *Determining the impact of teacher professional development on perceived ability to teach a computer science principles course*. Paper presented at the annual meeting of the International Computing Education Research Workshop, Omaha, Nebraska.
- P31. Price, T. W., **Albert, J.**, Catete, V., & Barnes, T. M. (2015, July). *BJC in action: Comparison of student perceptions of a computer science principles course*. Paper presented at the Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT 2015).
- P30. Brown, R., Lynch, C. F., Eagle, M., **Albert, J. L.**, Barnes, T. M., Baker, R., Bergner, Y., & McNamara, D. (2015, June). *Good communities and bad communities: Does membership affect performance?* Poster presented at the Educational Data Mining Conference, Madrid, Spain.
- P29. Brown, R., Lynch, C. F., Wang, Y., Eagle, M., **Albert, J. L.**, Barnes, T. M., Baker, R., Bergner, Y., & McNamara, D. (2015, June). *Communities of performance and*

- communities of preference*. Paper presented at the Graph Analytics Workshop at the Educational Data Mining Conference, Madrid, Spain.
- P28. **Albert, J. L.** (2015, April). *Adding computational thinking to your science lesson: what could it look like?* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.
- P27. **Albert, J. L.**, Peddycord, B. W., & Barnes, T. M. (2015, March). *Evaluating Scratch programs to assess computational thinking in a science lesson*. Poster presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Kansas City, MO.
- P26. **Albert, J. L.**, Blanchard, M. R., Kier, M. W., Carrier, S. J., & Gardner, G. E. (2014, January). *Social and teaching presence in technical support sessions: A descriptive analysis*. Paper presented at the annual meeting of the Association for Science Teacher Education, San Antonio, TX.
- P25. Alsbury, T. L., Overstreet, N. A., Blanchard, M. R., & **Albert, J. L.** (2013, April). *Using a District-wide Strategic Teaming Model to assist innovation and reform in impoverished districts: Innovation Leaders Academy*. Paper presented at the annual meeting of the American Educational Research Association in San Francisco, CA.
- P24. Kier, M. W., Blanchard, M. R., Osborne, J. W., & **Albert, J. L.**, (2013, April). *The Development of the STEM Career Interest Surveys (STEM-CIS)*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.
- P23. **Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2013, April). *Using student-generated animations to assess student understanding of the particulate nature of matter*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.
- P22. **Albert, J. L.**, Banks, A. J., Banks, J., & Banks, C. (2013, January). *Clickers versus cell phones: A comparison of student response systems and their effect on student achievement in a large lecture chemistry course*. Paper presented at the annual meeting of the Association for Science Teacher Education, Charleston, SC.
- P21. Kier, M.W., Blanchard, M. R., Osborne, J.W., & **Albert, J. L.**, (2013, January). *The Development of the STEM Career Interest Surveys (STEM-CIS)*. Paper presented at the annual meeting of the Association for Science Teacher Education, Charleston, SC.
- P20 Alsbury, T. L., Overstreet, N. A., Blanchard, M. R., Osborne, J. W., Williams, B., **Albert, J. L.**, Kier, M. W. & Reed, R. (2012, November). *Innovation Leaders Academy: Sustaining innovation in high need districts*. Paper presented at the annual convention of the University Council for Educational Administration, Denver, CO.

- P19. **Albert, J. L.** & Blanchard, M. R. (2012, September). *Student-Generated Digital Animations as a Form of Assessment*. Paper presented at the annual meeting of the Mid-Atlantic Association for Teacher Education, Pembroke, VA.
- P18. **Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2012, March). *Exploring student-created animations to show level of understanding on nature of matter learning progression*. Poster presented at the annual international meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- P17. Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2012, March). *Is it Possible to Explicitly Stimulate Pedagogical Discontentment in Science Teachers through a Graduate Course?* Paper presented at the annual international meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- P16. **Albert, J. L.**, & Banks, A. J. (2012, February). *A comparison of student response systems and their effect on student achievement in a large lecture chemistry course*. Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.
- P15. Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2012, February). *Is it possible to explicitly stimulate pedagogical discontentment in science teachers through a graduate course?* Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.
- P14. **Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2012, January). *Do student-generated digital animations enhance student understanding of water boiling? A study comparing student learning in a Sci Vis course*. Paper presented at the annual meeting of the Association of Science Teacher Educators, Clearwater, Florida.
- P13. **Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2011, September). *Student-generated digital animations: A study comparing student learning in a Sci Vis course*. Poster presented at the annual meeting of the Mid-Atlantic Association of Science Teacher Educators, Carter Caves, Kentucky.
- P12. Blanchard, M. R., **Albert, J. L.**, & Osborne, J. W. (2011, September). *Exploring the Relationship of Pedagogical Discontentment to Teachers' Changes in Practices*. Paper presented at the international biannual meeting of the European Science Education Research Association, Lyon, France.
- P11. Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2011, April). *Are There Benefits to Pedagogical Discontentment?: A Two-Year Study Exploring its Link to Rural Science & Mathematics Teachers' Changes in Practices*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- P10. Addy, T. M., Simmons, P. E., Gardner, G. E., & **Albert, J. L.** (2011, April). *Epistemological beliefs & teaching practices of science faculty with education*

- specialties*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- P9. **Albert, J. L.** & Wiebe, E. N. (2011, March). *Taking drawing digital: Using student-generated drawings to help students learn about molecules*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- P8. Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2011, March). *Results of a two-year study: Exploring the relationship of teachers' pedagogical discontentment to changes in practices for 28 rural science and mathematics teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- P7. Banks, A. J. & **Albert, J. L.** (2010, August). *Clickers in a non-science majors course*. Paper presented at the 21st Biennial Conference on Chemical Education, Denton, TX.
- P6. Blanchard, M. R., Osborne, J. W., & **Sharp, J. L.** (2010, March). *Investigating the role of pedagogical discontentment in rural science and mathematics teachers' changes in practice: An exploration of 23 rural science and mathematics teachers following technology-infused teacher professional development*. Paper presented at the annual national meeting of the National Association for Research in Science Teaching, Philadelphia, PA.
- P5. Blanchard, M. R., **Sharp, J. L.**, and Grable, L. L. (2009). *Scaffolding technology integration of middle school science and mathematics: comparing the results of two models of teacher professional development*. Paper presented at the annual international meeting of the Society for Information Technology and Teacher Education, Charleston, SC.
- P4. Blanchard, M. R., **Sharp, J. L.**, and Grable, L. L. (2009, January). *Videoconferencing versus face-to-Face: Comparing the satisfaction of rural, middle school teachers with two different follow-up methods to teacher professional development*. Paper presented at the annual international meeting of the Association for Science Teacher Educators, Hartford, CT.
- P3. Blanchard, M. R. & **Sharp, J. L.** (2008). *Comparing Two Methods of Technical Support for Teachers: Videoconferencing versus Face-to-Face*. Paper presented at the annual meeting of School Science and Mathematics, Durham, NC.
- P2. Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2008). *Is videoconferencing a feasible option for teacher technical support? A mixed-methods pilot study with 29 rural, middle school science and mathematics teachers*. Paper presented at the annual meeting of the Mid-Atlantic Association for Science Teacher Educators, Lake Lure, NC.
- P1. **Sharp, J. L.** & Banks, A. J. (2008). *Click Away: Does feedback from the use of clickers increase student achievement on final assessments in a university*

chemistry course? Paper presented at the annual meeting of the Mid-Atlantic Association for Science Teacher Educators, Lake Lure, NC.

Conference Workshops

- W2. **Albert, J. L.**, Jones, K. R., Joshi, D., & Jocius, R. (2016). What do Activity Trackers and a Tablet Have in Common? STEM Ambassador Lesson Plans, Tips, and Tricks. Roundtable to be presented at the Society for Information Technology and Teacher Education Conference 2016 to be held in Savannah, GA, United States, March 21-26, 2016.
- W1. Lynch, C. F., Barnes, T. M., **Albert, J. L.** (2015, June). Graph Analytics. Workshop presented at the international meeting of Educational Data Mining, Madrid, Spain.

Conference Presentations

- Koester, M., Bell, E.V., **Albert, J. L.**, Bramblett, J. (2018, September). Step up, get ready, respond! Taking flood resilience to school. Session presented at the Carolinas Climate Resilience Conference, Greenville, SC.
- Rothell, N**, & **Albert, J. L.** (2017, November). SCESTA Share-A-Thon. Presentation. Session presented at the South Carolina Science Council Conference, Columbia, SC.
- Koester, M., Van Sickle, M, Moore, R., & **Albert, J. L.** (2017, November). STEAM Presentation. Session presented at the South Carolina Science Council Conference, Columbia, SC.
- Koester, M., Van Sickle, M, Moore, R., & **Albert, J. L.** (2017, November). STEAM Panel. Session presented at the South Carolina Science Education Leadership Association Meeting, Columbia, SC.
- Albert, J. L.**, Reed, R., Blanchard, M. R., Ruffin, W, & Aguilar, C. (2012, November). Take Virtual Field Trips and Explore Science Labs! Workshop presented at the annual meeting of the North Carolina Science Teachers Association, Winston-Salem, NC.
- Blanchard, M. R., Alsbury, T. L., **Albert, J. L.**, & Kier, M. W. (2012, September). *Preliminary Results of using a Strategic Teaming Model for Systemic District Reform*. Paper presented at the annual meeting of the Mid-Atlantic Association for Teacher Education, Pembroke, VA.
- Blanchard, M. R., **Albert, J. L.**, & Kier, M. W. (2012, April). *Flip for STEM Careers*. Presentation at the annual meeting of the National Science Teacher Association, Indianapolis, IN.
- Blanchard, M. R., Kinton, J. H., Emig, B. R., Stevens, V. C., Childers, G., **Albert, J. L.**, & Kier, M. W. (2012, April). *iTouch a STEM Career*. Presentation at the annual meeting of the National Science Teacher Association, Indianapolis, IN.

- Blanchard, M. R. & **Albert, J. L.** (2012, February). *The STEM Career Interest Survey*. Presentation at the annual ITEST Summit, Washington, D.C.
- Kier, M. W., Blanchard, M. R., **Albert, J. L.**, & Stevens, V. C. (2011, November). *iTouch a STEM Career*. Presentation at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Albert, J. L.** (2010, November). *The science house presents: Flipping for science*. Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Barrier, R. & **Albert, J. L.** (2010, November). *The science house presents: New database of safety sense rules and regulations*. Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Blanchard, M. R., **Albert, J. L.**, & Wagstaff, I. R. (2010, November). *No matter the weather, we'll measure together!* Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Albert, J. L.** & Blanchard, M. R. (2010, March). *Connecting the dots: Using Elluminate and video-conferencing to stay connected to rural teachers*. Session presented at the annual national meeting of the National Science Teacher Association Meeting, Philadelphia, PA.
- Sharp, J. L.** (2009, November). *The science house presents: get a clue!* Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Sharp, J. L.**, & Blanchard, M. R. (2009, March). *Rev your Engines: a Low Budget, High-Tech Middle School Automotive Lab*. Session presented at the annual national meeting of the National Science Teacher Association Meeting, New Orleans, LA.
- Blanchard, M. R. , Grable, L. L., & **Sharp, J. L.** (2008). *Success stories: How we used probeware to explore real-life problems*. Session presented at the annual regional meeting of the National Science Teacher Association Meeting, Charlotte, NC.

Curriculum Projects

- Blanton, M., Jocius, R., Joshi, D., & **Albert, J. L.**, (2020-2023). Making CT, The Citadel, <https://www.makingct.com/>
- Blanton, M., Andrews, A., Jocius, R., & **Albert, J. L.**, (2017-2020). Mobile Maker Kits, The Citadel, <http://www.mobilemakerkits.com/>
- Barnes, T., **Albert, J. L.**, Jocius, R., Joshi, D., Robinson, R., Catete, V., & Andrews, A. (2017-2022). Infusing Computing in STEM, The Citadel and NC State University, <https://www.infusingcomputing.com/>
- Barnes, T., **Albert, J. L.**, Rindos, I., Peddycord, B. (2013 – 2015). The Beauty and Joy of Computing, NC State University, <http://bjc-nc.github.io/bjc-course/curriculum/>

Albert, J. L., Blanchard, M. R., & Kier, M. W., Stevens, V. C., Kinton, J. H. (2010-2013).
STEM Career Awareness, NC State University.
<http://stemcareerawareness.wikispaces.com>.

Albert, J. L., Blanchard, M. R., & Grable, L. L. (2006-2010). 21CTL and SMART for
Teachers Materials, NC State University, The Friday Institute.
<http://stem.fi.ncsu.edu>

EXTENSION AND OUTREACH

2024	CSPDWeek, 5 days, 220 teachers, The Citadel
2024	CML, 4 days, 29 teachers, The Citadel-virtual
2023	CSPDWeek, 5 days, 220 teachers, The Citadel
2023	CML, 4 days, 29 teachers, The Citadel-virtual
2022	CSPDWeek, 5 days, 360 teachers, The Citadel-virtual
2022	CML, 4 days, 29 teachers, The Citadel-virtual
2021	CSPDWeek, 5 days, 300 teachers, The Citadel-virtual
2021	STEM+C PD, 4 days, 110 teachers, The Citadel-virtual
2020	CSPDWeek, 5 days, 200 teachers, The Citadel-virtual
2020	STEM+C PD, 4 days, 180 teachers, The Citadel-virtual
2019	<i>STEAM Camp</i> , 2 weeks, 60 students, The Citadel
2019	STEM+C PD, 4 days, 180 teachers, The Citadel
2018	<i>STEAM Camp</i> , 3 weeks, 100 students, The Citadel
2017	Minnie Hughes STEAM Camp, 2 weeks, 20 students, The Citadel
2018	STEM+C PD, 5 days, 118 teachers, The Citadel
2018	ITQ Teacher PD, 5 days, 20 teachers, The Citadel
2018	STEM Ambassadors PD, 5 days, 24 teachers, The Citadel
2017	ITQ Teacher PD, 5 days, 20 teachers, The Citadel
2017	STEM Ambassadors PD, 5 days, 24 teachers, The Citadel
2017	Minnie Hughes STEAM Camp, 2 weeks, 20 students, The Citadel
2017	<i>STEAM Camp</i> , 3 weeks, 100 students, The Citadel
2016	<i>STEAM Camp</i> , 3 weeks, 120 students, The Citadel
2016	<i>Beauty and Joy of Computing Workshop</i> , 5 days, 16 teachers, The Citadel
2015	<i>Beauty and Joy of Computing Workshop</i> , 15 days, 28 teachers, NC State University
2015	<i>Girls Code and Create Camp</i> , 5 days, 24 HS girls, NC State University – The Engineering Place
2014	<i>Girls Code and Create Camp</i> , 5 days, 24 HS girls, NC State University – The Engineering Place
2014	<i>Beauty and Joy of Computing Workshop</i> , 10 days, 18 teachers, NC State University

- 2013 *Beauty and Joy of Computing Workshop*, 2 days, 9 teachers, NC State University
- 2012 *STEM Career Awareness Technology Learning Workshops*, Four days, 30 teachers, Warren County Middle School, Warrenton, NC.
- 2012 *Trying On STEM Careers Workshop* for 60 middle school students in Greensboro, NC.
- 2011 *STEM Career Awareness Technology Learning Workshops*, Halifax, NC, Five days, 45 teachers, Weldon Middle School; Six additional online workshops via Elluminate, Fall & Spring.
- 2010 *Safety Sense: Train the Trainer Workshop*, Raleigh, NC.
- 2010 *SMART for Teachers Technology Learning Workshops*, Four days, 30 teachers, Chowan Middle School, Tyner, NC.
- 2009 *SMART for Teachers Technology Learning Workshops*, Five days, 30 teachers, Bertie Middle School, Windsor, NC.
- 2009 *RTOP Training Workshop* for 20 colleagues at The Friday Institute, Raleigh, NC.
- 2008 *SMART for Teachers Technology Learning Workshops*, Five days, 30 teachers, Chowan Middle School, Tyner, NC.
- 2008 *Are you a Suspect?* Technology forensics workshop for middle school science and math teachers, Expanding Your Horizons in Math, Science, and Technology Conference, North Carolina State University, Raleigh, NC.
- 2007 *Middle Grades in the 21st Century: Science & Mathematics Workshop*, Three days, 30 teachers, Gaston Middle School, Gaston, NC.

SERVICE TO THE CITADEL

Citadel

- Graduate Curriculum Committee (Fall 2020-current)
- Undergraduate Curriculum Committee (Fall 2017-Spring 2020)
- Online Task Force Ad Hoc Committee
- Faculty Fellow in Center for Cyber Intelligence, and Security Studies and Center for Excellence and Innovation in Teaching and Distance Education
- Sponsor of Sustainability Club – maintain hydroponic farm
- Judge for Spring STEM Research Forum
- Served on search committee for Assistant Professor of Library Services, Dean of the Zucker Family School of Education, Assistant Vice President for Auxiliary Service, Assistant Provost for Research
- Our Mighty Citadel 2026 Strategic Initiative 4.3 & 6.2
- Leadership Day Volunteer

Zucker Family School of Education

- Served on search committee for Dean of the Zucker Family School of Education (Spring 2024)
- Serve on the Education Tenure and Promotion Committee (Fall 2021-current)
- Serve on Professional Education Board (Fall 2015-Spring 2024)
- Serve on Development Advisory Board (Fall 2015-Spring 2024)
- Advise STEM MED students
- Served on Search Committees for Director of Educational Assessment, Assistant Professor of Social Studies Education, Associate Professor for Science Education and Instructor positions
- Helped with SPA reports for Biology and Chemistry (for 2021 visit)
- Serve as a CAEP Site Visitor (team lead for Spring 2021 CIU visit)

SERVICE TO THE COMMUNITY

2023-2025	Advisory Board member for the Charleston Digital Corridor
2020-current	School Board member for Charleston Charter School for Math and Science
2020-2023	Board Member - Charleston Women in Tech
2020-2022	SIC/Title 1 Committee Member at James Simons Montessori School
2019-2022	Advisory Board Member at ECPI
2018-2024	South Carolina State Science Olympiad Director
2017-2020	SIC/Title 1 Committee Member at Burke High School
2016-2021	Member of the South Carolina Sea Grant Consortium's Coastal Education Advisory Committee
2016-2018	School Board member for Palmetto Scholars Academy
2016-2020	Advisory Board member for Reforge Charleston
2016-2020	Advisory Board member for the Chamber of Commerce – Computer Science Education group (serving as co-chair as of September 2018)
2016-2020	Advisory Board member for the Lowcountry STEM Collaborative
2015-2020	Steering Committee member for Charleston STEM Festival
2009-2011	Coach and Event Leader for North Carolina Science Olympiad, Regional in Fayetteville, NC and State in Raleigh, NC
2007-2008	School Volunteer, Stough Elementary, Raleigh, NC. Assist with science nights.

SERVICE TO THE PROFESSION

2023	Associate Program Chair, Special Interest Group for Computer Science Education, Portland, OR, 2024
2023	NSF Grant Panel Reviewer
2022	Associate Program Chair, Special Interest Group for Computer Science Education, Toronto, Canada, 2023

2022-2024 Member, SC AI Standards Design Team

2021-current Member, AI4K12 South Carolina Planning Team

2021 NSF Grant Panel Reviewer (August)

2021 Member, ITEST AI Group

2020 Associate Program Chair, Special Interest Group for Computer Science Education, virtual

2020-current ECEP State Leadership Team

2020 NSF Grant Panel Reviewer (June)

2020 NSF Grant Panel Reviewer (February)

2020-current Article Reviewer for *International Journal of STEM Education* (1 review)

2019-current Article Reviewer for *International Journal of Science Education* (3 reviews)

2019 NSF Grant Panel Reviewer

2019 Conference Reviewer, Special Interest Group for Computer Science Education, Portland, Oregon 2020

2018 Conference Reviewer, Special Interest Group for Computer Science Education, Minneapolis, MN, 2019

2018 Panel Moderator for the 2018 Citadel Intelligence & Cybersecurity Conference

2018 SC 9-12 Computer Science Standards Writing Team

2018-current Treasurer of CSTA SC

2017-current Curriculum Reviewer, SC Department of Higher Education

2017 Conference Reviewer, Special Interest Group for Computer Science Education, Baltimore, MD, 2018

2017 Program Committee, Reviewer, Society for Information Technology & Teacher Education, Austin, TX, 2017

2016-current South Carolina Code.org Regional Partner

2016 Conference Reviewer, Special Interest Group for Computer Science Education, Seattle, WA, 2017

2016-2017 SC K-8 Computer Science Standards Writing Team

2016 NSF Grant Panel Reviewer

2016-current Editorial Board of the *Journal of Science Teacher Education* (2 reviews)

2016-current Article Reviewer for *Science Education* (top rated journal in field) (1 review)

2016-current Article Reviewer for *Catalyst: A Social Justice Forum* (1 review)

2016-2019 ASTE Awards Committee Member

2015-current Article Reviewer for *Computing in Science and Engineering* (1 review)

2015 Division C Conference Reviewer, American Educational Research Association, Washington, D.C., 2016.

- 2015 Conference Reviewer, National Association for Research in Science Teaching, Baltimore, MD, 2016.
- 2014 Program Committee, Reviewer, Society for Information Technology & Teacher Education, Las Vegas, NV, 2015
- 2014-current Editorial Board of the *Contemporary Issues in Technology and Teacher Education – Science* (5 reviews)
- 2014-current Article Reviewer for *Journal of Science Education and Technology*
- 2014-current Article Reviewer for *NSTA’s Science Scope* (32 reviews)
- 2014 Conference Reviewer, National Association for Research in Science Teaching, Chicago, IL, 2015.
- 2013 Book Reviewer “Teaching Students to Think Like Scientists”
- 2013-current Article Reviewer for *Journal of Technology and Teacher Education* (21 reviews)
- 2013 Conference Reviewer, Association for Science Teacher Education, San Antonio, TX, 2014.
- 2013 Conference Reviewer, National Association for Research in Science Teaching, Pittsburgh, PA, 2014.
- 2012-2015 NARST Outstanding JRST Paper Award Committee Member
- 2012 Conference Reviewer, Association for Science Teacher Education, Charleston, SC, 2013.
- 2012 Conference Reviewer, National Association for Research in Science Teaching, Rio Grande, Puerto Rico, 2013.
- 2011 Conference Reviewer, National Association for Research in Science Teaching, Indianapolis, IN, 2012.
- 2010 Conference Reviewer, National Association for Research in Science Teaching, Orlando, FL, 2011.
- 2009 Conference Reviewer, National Association for Research in Science Teaching, Philadelphia, PA, 2010.
- 2009-current Article Reviewer for *School Science and Mathematics* (16 reviews)
- 2008 Conference Reviewer, Association for Science Teacher Education, Hartford, CT, 2009.
- 2008 Strand 3 Conference Reviewer, American Educational Research Association, San Diego, CA, 2009.
- 2007-2015 Article Reviewer for *Meridian: A Middle School Computer Technologies Journal*

PROFESSIONAL ORGANIZATION MEMBERSHIPS/CONTRIBUTIONS

ASTE – Association of Science Teacher Education
 SITE – Society for Information Technology & Teacher Education
 AERA – American Educational Research Association

SIGCSE – Special Interest Group for Computer Science Education, Seattle

NARST – National Association for Research in Science Teaching

NSTA – National Science Teaching Association

SC2 – South Carolina Science Council

Dr. Mariana Giovanna Andrade Rojas

Associate Professor

Terry College of Business, University of Georgia, USA

Web: <http://andrademariana.com>**Impact Snapshot (across 11 years of academic career)**

- **Publications in FT50 journals:** [ISR \(2024\)](#), [MISO \(2024\)](#), [POM \(2024\)](#), [JMIS \(2021\)](#), [ISR \(2020\)](#), [Research Policy \(2018\)](#); also AIS Basket journals: [JAIS \(2021\)](#), [ISJ \(2024\)](#).
- **Research Awards:** ICIS Best Paper (Track) 2024; ICIS Best Paper Nominee 2024; ICIS Best Paper Nominee 2023; ICIS Best Paper (Track) 2017; AOM Best Student Paper Runner-up Award (OCIS Division) 2014.
- **Journal Editorial Leadership:** Associate Editor, Information & Management (2022–2024); Editorial Review Board, JAIS (2023).
- **Conference Editorial Leadership:** ICIS (2019, 2020, 2021, 2022, 2024, 2025), ECIS (2020, 2021), PACIS (2024).
- **Research Funding:** ≈ \$126,550 USD total; PI on Singapore MOE Tier-1, PI on UGA seed grants, among others.
- **Invited Talks:** Over a dozen departmental seminars at leading R1 and global research universities; government engagement (e.g., Ministry of Law, Singapore); and corporate engagement (e.g., Microsoft).
- **Teaching & Innovation:** Led flipped-classroom adoption for Business Intelligence and Analytics courses at UGA; obtained consistently strong student evaluations.
- **Technical courses:** Taught topics such as machine learning (e.g., linear models, random forest models, ridge regression, lasso regression, neural networks, etc.), advanced social network analysis (complex networks, dynamic networks), big data, and advanced statistical analysis using tools such as RStudio and Python.
- **Executive education training** delivered to corporate executives in multiple industries in USA, Asia, and Latin America.
- **PhD Students' Thesis Committee Member / Advisor** to seven students.

Academic positions

2024 (Present)	Associate Professor with Tenure Department of Management Information Systems Terry College of Business, University of Georgia, USA.
2021–2024	Assistant Professor Department of Management Information Systems Terry College of Business, University of Georgia, USA.
2016–2021	Assistant Professor Division of Technology and Operations Management, Nanyang Business School, Nanyang Technological University, Singapore.
2015–2016	Assistant Professor Information Systems & Technology Department IE Business School, Madrid, Spain.

Education

2011 – 2015 Ph.D. in Innovation and Information Management
School of Business, The University of Hong Kong, Hong Kong
Advisor: Prof. Ali Farhoomand

2006 – 2010 Bachelor of Business Administration, International Program
Summa Cum Laude, Best GPA in the program
Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Mexico

Research interests

My primary research interests lie at the intersection of Information Systems and Strategic Management. I mainly focus in four areas:

<u>IT Strategy</u>	<u>Embedded Economy</u>	<u>Competitive Dynamics</u>	<u>Data Analytics</u>
• IT business value	• Networked business models	• Competition networks	• Network analysis
• IT-enabled capabilities	• Complex networks	• Digital competition	• Data visualization
• IT-enabled innovation	• Digital platforms	• Multi-market competition	• AI-enabled analysis

Languages

- English (Native or bilingual proficiency)
- Japanese (Professional working proficiency)

- Spanish (Native or bilingual proficiency)
- Chinese (Professional working proficiency)
- French (Professional working proficiency)
- German (Intermediate proficiency)

International experience

- I have lived and worked in seven different countries including USA, Singapore, Hong Kong, Spain, China, Japan, and Mexico
- Japanese intensive course at Yoshida Japanese Language Institute, Tokyo, Japan
- Exchange program with Fudan University, Shanghai, China, BBA
- Exchange program with The Chinese University of Hong Kong, Hong Kong, BBA

Publications

1. **Andrade-Rojas, M.G.**, Saldanha T., Kathuria, A., Khuntia, J., Boh, W.F. 2024. "How IT Overcomes Deficiencies for Innovation in SMEs: Closed Innovation versus Open Innovation" *Information Systems Research*, 35(4), P. 1981-2012. (<https://doi.org/10.1287/isre.2021.0096>). Lead author in this publication.
 - This paper was selected as an **example of a significant contribution to theory** in the "On Crafting Effective Theoretical Contributions for Empirical Papers in Economics of Information Systems: Some Editorial Reflections" [editorial](#) in *Information Systems Research*.
2. **Andrade-Rojas, M.G.**, Kathuria, A., Lee, HH. 2024. "Multilevel Synergy of IT for Operational Integration: Competition Networks and Operating Performance" *Production and Operations Management*, 33(5), P. 1116-1141. (<https://doi.org/10.1177/10591478241239005>). Lead author in this publication.
3. Saldanha, T., **Andrade-Rojas, M.G.**, Kathuria, A., Khuntia, J., Krishnan, M.S. 2024. "How the Locus of Uncertainty Shapes the Influence of CEO Long-term Compensation on Firm IT Investment: A Risk-oriented Dominant Logic Perspective" *MIS Quarterly*, 48(2), P. 459–490. (<https://doi.org/10.25300/MISQ/2023/17433>). Shared first authorship.
4. **Andrade-Rojas, M.G.**, Erskine, M. 2024. "The Effects of Bribery on the Digitization of Latin American Firms" *Information Systems Journal*, P. 1–37. (<https://doi.org/10.1111/isj.12523>). Lead author in this publication.
 - This paper was selected for publication in the "Digital Transformation in Latin America: Challenges and Opportunities" [special issue](#) in *Information Systems Journal* which only accepted three papers for publication.
5. **Andrade-Rojas, M. G.**, Li, Y., Zhu, J. 2022. "The social and economic outputs of SME-GSI research collaboration in an emerging economy: An ecosystem perspective" *Journal of Small Business Management*, P. 1-44. (<https://doi.org/10.1080/00472778.2022.2073362>) (Impact factor: 6.881; first journal dedicated to small business management and entrepreneurship; leader in the field of small business research). Authorship in alphabetical order.
6. **Andrade-Rojas, M. G.**, Kathuria, A., Konsynski, B. R. 2021. "Competitive Brokerage: How Information Management Capability and Collaboration Networks Act as Substitutes" *Journal of Management Information Systems*, 38(3), P. 667-703. (<https://doi.org/10.1080/07421222.2021.1962596>). Lead author in this publication.
7. Khuntia, J., Kathuria, A., **Andrade Rojas, M.G.**, Saldanha, T., Celly, N. 2021. "How Foreign and Domestic Firms Differ in Leveraging IT-enabled Supply Chain Information Integration in BOP Markets: The Role of Supplier and Client Business Collaboration" *Journal of the Association for Information Systems*, 22(3), P. 6. (<https://doi.org/10.17705/1jais.00677>).
8. Saldanha, T., Sahaym, A., Mithas, S., **Andrade Rojas, M.G.**, Kathuria, A., Lee, HH. 2020. "IT-enabled Social Integration Capacity and Exploratory Innovation: The Role of Global Cultural Diversity and Global Geographical Dispersion" *Information Systems Research* 31(2), P. 361-382. (<https://doi.org/10.1287/isre.2019.0890>).
9. **Andrade Rojas, M.G.**, Ramirez Solis, E., Zhu, J. 2018. "Innovation and Network Multiplexity: R&D and the concurrent effects of two collaboration networks in an emerging economy" *Research Policy*, 47(6), P. 1111-1124. (<https://doi.org/10.1016/j.respol.2018.03.018>). (Impact factor: 9.473; Journal in the FT50 list, regarded as the leading journal in the field of innovation studies). Lead author in this publication.

Papers under review

1. Kathuria, A., **Andrade-Rojas, M.G.**, Saldanha T., Konsynski, B. "Uncertainty, Digital Channels, and Performance", fourth round at *Production and Operations Management*.
2. Sonpatki, R., Kathuria, A., **Andrade Rojas, M.G.**, "Climatic Events and IT Portfolios", revise and resubmit at *MIS Quarterly*.

3. Kathuria, A., Saldanha, T., **Andrade Rojas, M.G.**, Khuntia, J., Hah, H., Mithas, S. "Information Signals in Digital Platforms" revise and resubmit at *Journal of the Association for Information Systems*.
4. Chaturvedi, D., Kathuria, A., **Andrade-Rojas, M.G.**, Saldanha, T., Konsynski, B. "Navigating the Paradox of IT Novelty and Strategic Conformity", under review at *Journal of Management Information Systems*.

Working Papers

1. **Andrade-Rojas, M.G.**, "The Two Pillars of Green Innovation in SMEs in an Emerging Economy" under preparation for submission to *Information Systems Research*.
2. **Andrade-Rojas, M.G.**, Saldanha, T., Rahmati, P. "How IT Investments Reduce Corporate Fraud: Role of Firm and Industry Complexities", under preparation for submission to *MIS Quarterly*.
3. **Andrade-Rojas, M.G.**, Kathuria, A., Sahaym, A., Farhoomand, A. "Information Management Capability, R&D and Marketing effects on Competition Networks" under final preparation for submission to *POMS*.
4. **Andrade-Rojas, M.G.**, Tung L.L., Karahanna, E. "Media Richness and Cyberbullying Victims' Response: A Country Wide Investigation" under preparation for submission to *MIS Quarterly*.
5. Zheng, Y., **Andrade-Rojas, M.G.**, Boh, W.F., "Antecedents and Consequences of Disagreements in The Blockchain Space: A Network Perspective", under preparation for submission to *Information Systems Research*.
6. **Andrade-Rojas, M.G.**, Tung L.L., "Personal and Environmental Attributes in Cyberbullying Victimization in Adults" under preparation.
7. **Andrade-Rojas, M.G.**, "Policy Influence on Customers' Online Reviews: An Experimental Perspective" under preparation.
8. **Andrade-Rojas, M.G.**, Yang E., Chang, X., "Information Technology and Regulations as Deterrents of Corporate Corruption" under preparation.
9. Dai W., **Andrade-Rojas, M.G.**, Saldanha, T., "AI And Blockchain Effects on Corporate Fraud", under preparation.
10. Salge, C., **Andrade-Rojas, M.G.**, Karahanna, E., "Follow AI Chatbots Advice or Follow the Crowd: An Experimental Design in a Fintech Platform", under preparation.
11. Lakhiwal, A., **Andrade-Rojas, M.G.**, Queiroz, M. "AI Lawsuits and Corporate Innovation", under preparation.

Conferences proceedings and presentations (in chronological order)

1. **Andrade Rojas, M.G.**, Kathuria, A. 2014. "Competitive Brokerage: External Resource Endowment and Information Technology as Antecedents" Best Student Paper Runner-up Award and Best Paper Proceedings of the Academy of Management (AOM) Annual Meeting (OCIS Division), Philadelphia. (<https://doi.org/10.5465/ambpp.2014.161>).
2. **Andrade Rojas, M.G.**, Kathuria, A. 2014. "Do Technological Resources Influence Competitive Brokerage? An Analysis in a Competition Network". Paper presented at the Academy of Management Annual (AOM) Meeting (TIM Division), Philadelphia. (http://pd.aom.org/2014/pdf/AOM_2014_Annual_Meeting_Program.pdf)
3. Kathuria, A., **Andrade Rojas, M.G.**, Saldanha, T., Khuntia, J. 2014. "Extent versus Range of Service Digitization: Implications for Firm Performance". Proceedings of the Twentieth Americas Conference on Information Systems (AMCIS), Savannah. (<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.933.5254&rep=rep1&type=pdf>).
4. Celly, N., Kathuria, A., Han, M., **Andrade Rojas, M.G.** 2014. "Succeeding in Emerging Market Environments: Towards Strategic Multidexterity". Paper presented at Strategic Management Society Sydney Special Conference 2014, Sydney. (<https://cdn.strategicmanagement.net/uploads/5fd1/Sydney-Program-WEB.pdf>)
5. **Andrade Rojas, M.G.**, Kathuria, A. 2014. "Competitive Brokerage, Information Technology and Internal Resources". Proceedings of the Thirty-Fifth International Conference on Information Systems (ICIS), Auckland, New Zealand. (<https://aisel.aisnet.org/icis2014/proceedings/EBusiness/33>)
6. Kathuria, A., **Andrade Rojas, M. G.**, Saldanha, T., & Khuntia, J. (2014). Service Digitization and Firm Performance: An Ambidexterity Perspective. Paper presented at the Workshop on e-Business 2014, Auckland, New Zealand. (<https://hub.hku.hk/handle/10722/215491>)
7. Saldanha, T., Waagelein, J., Khuntia, J., Kathuria, A., **Andrade Rojas, M.G.** 2015. "Do CEO's Long-Term Performance Incentive Induce IT Investments? Theory, Evidence, and Industry Contingencies". Proceedings of the Twenty-First Americas Conference on Information Systems (AMCIS), Puerto Rico. (<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1086.3088&rep=rep1&type=pdf>)
8. **Andrade Rojas, M.G.**, Kathuria, A., Lee, HH. 2015. "Attaining Operating Performance through Pas De Trois of IT, Competitive Brokerage and Innovation". Proceedings of the Thirty-Sixth International Conference on Information Systems (ICIS), Fort Worth, Texas. (<https://aisel.aisnet.org/icis2015/proceedings/ISstrategy/1>)
9. Kathuria, A., Saldanha, T., Khuntia, J., **Andrade Rojas, M.G.**, Hah, H. 2015. "Strategic Intent, Contract Duration, and Performance: Evidence from Micro- Outsourcing". Proceedings of the Thirty-Sixth International Conference on Information Systems (ICIS), Forth Worth, Texas. (<https://core.ac.uk/download/pdf/301379734.pdf>)
10. **Andrade Rojas, M.G.**, Kathuria, A., Lee, HH. 2016. "How Competition Networks and Technology Influence Operating Performance Through Innovation: a Longitudinal Empirical Analysis". Paper presented in the Strategic Management Society Rome Special Conference. Rome, Italy. (<https://cdn.strategicmanagement.net/conferences/rome2016/overview/overview/middleColumn/program-book/s3file.pdf>)

11. Andrade Rojas, M.G., Saldanha, T., Khuntia, J., Kathuria, A. 2016. "How IT Orientation Affects Obstacles and Facilitators of Innovation in an Emerging Economy". Paper presented at the Academy of Management Annual (AOM) Meeting (OCIS Division), Anaheim. (<https://doi.org/10.5465/ambpp.2016.17242abstract>)
12. **Andrade Rojas, M.G.**, Kathuria, A., Lee, HH. 2016. "How IT Complements Positioning in Competition Networks to Enhance Innovation and Firm Performance". Paper presented at the Academy of Management Annual (AOM) Meeting (OCIS Division), Anaheim. (<https://doi.org/10.5465/ambpp.2016.15644abstract>)
13. **Andrade Rojas, M.G.**, Saldanha, T., Khuntia, J., Kathuria, A. 2016. "IT Orientation effects on Obstacles and Facilitators of Innovation: An Emerging Economy Perspective in Mexico". Proceedings of the Twenty-Second Americas Conference on Information Systems (AMCIS), San Diego. (<https://core.ac.uk/download/pdf/301369658.pdf>)
14. **Andrade Rojas, M.G.**, Khuntia, J., Saldanha, T., Kathuria, A., Krishnan, M.S. 2016. "Growth Oriented Digital Strategy and Long- Term Compensation of Chief Executives". Proceedings of the Thirty-Seventh International Conference on Information Systems (ICIS), Dublin, Ireland. (https://web.archive.org/web/20210812035408id_/https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1093&context=icis2016).
15. Kathuria, A., Khuntia, J., Saldanha, T., **Andrade Rojas, M.G.** 2016. "How Information Management Capability Affects Innovation Capability and Firm Performance under Turbulence: Evidence from India". Proceedings of the Thirty-Seventh International Conference on Information Systems (ICIS), Dublin, Ireland. (<https://aisel.aisnet.org/icis2016/ISStrategy/Presentations/18>).
16. **Andrade Rojas, M.G.**, Kathuria, A., Farhoomand, A. 2017. Competition networks, information management capability (IMC) and firm resources. POMS 2017. 28th Annual Conference. Seattle, Washington. (<https://pomsmeetings.org/conf-2017/Portals/3/Documents/RegularSessions.pdf?ver=2017-05-01-173820-103>)
17. Hazarika, B., Kathuria, A., Khuntia, J., Saldanha, T., **Andrade Rojas, M.G.** 2017. Portfolio Management for Private Equity Firms through IT Orientation and Portfolio Embeddedness. POMS 2017. 28th Annual Conference. (<https://pomsmeetings.org/conf-2017/Portals/3/Documents/RegularSessions.pdf?ver=2017-05-01-173820-103>)
18. Khuntia, J., Kathuria, A., **Andrade Rojas, M.G.**, Saldanha, T. 2017. Supply Chain Information Integration and Firm Performance: Evidence from India. Proceedings of the Twenty-Third Americas Conference on Information Systems (AMCIS), Boston. (<https://aisel.aisnet.org/amcis2017/StrategicIT/Presentations/8>).
19. Saldanha T., Kathuria, A., Khuntia, J., Konsynski, B., **Andrade Rojas, M.G.** 2017. Leveraging Digitization of Services for Performance: Evidence from the Credit Union Industry. Proceedings of the Thirty-Eighth International Conference on Information Systems (ICIS), Seoul, Korea. *Best Paper Award, Track: General Topics*. (<https://doi.org/10.5465/AMBPP.2017.15144abstract>)
20. Saldanha T., Khuntia, J., Kathuria, A., **Andrade Rojas, M.G.**, Krishnan. M.S. 2018. CEO Compensation and IT investments. Digital Innovations, Transformation, and Society Conference 2018. New Delhi, India. (<https://www.bimtech.ac.in/media/events/42/digits-2018>)
21. **Andrade Rojas, M.G.**, Li, Y., Zhu, J. 2018. Social Innovation in Emerging Economies: An Ecosystem Built on the Collaboration between Firms and Government-Sponsored Institutions (GSI), and Knowledge Sharing. European Marketing Academy Annual Conference. Glasgow, UK. (<http://www.emac-2018.org/UserFiles/EMAC%20Web.pdf>)
22. **Andrade Rojas, M.G.**, Li, Y., Zhu, J. 2018. Social Innovation in Emerging Economies: An Ecosystem Built on Collaboration and Knowledge Sharing. Paper presented at the Academy of Management Annual (AOM) Meeting. (<https://doi.org/10.5465/AMBPP.2018.15893abstract>).
23. **Andrade Rojas, M.G.**, Lin Y. 2019. The Difficult Choice of SMEs for Green Innovation: Government-vs-Firms? An Operations Digitization Perspective. POMS 2019. 30th annual conference. (https://pomsmeetings.org/conf-2019/documents/POMS_FridaySessions.pdf)
24. **Andrade Rojas, M.G.**, Lin Y. 2019. SMEs and Green innovation: Government or firms? A green digitization perspective. Proceedings of the Twenty-Fourth Americas Conference on Information Systems (AMCIS), Cancun. (https://aisel.aisnet.org/amcis2019/strategic_uses_it/strategic_uses_it/21)
25. Tang, Z., **Andrade Rojas, M.G.**, Tung L.L. 2019. The Role of Personal and Environmental Attributes in Cyberbullying Victimization in Adults. Proceedings of the Twenty-Fourth Americas Conference on Information Systems (AMCIS), Cancun. (https://aisel.aisnet.org/amcis2019/virtual_communities/virtual_communities/20)
26. Jia Z., **Andrade Rojas, M.G.**, Tung L.L. 2019. The Role of Media Richness, Victim-offender Relationship, and Demographic Characteristics in Cyberbullying: A Country Wide Investigation. 2019 INFORMS Annual Meeting. (https://cdn2.hubspot.net/hubfs/3449182/2019_INFORMS_Annual_Meeting_Back_Matter.pdf?hstc=19404158674add784b2b773202d11ae939b7401cc.1646198793206.1657093074326.16570955556325.15&hssc=&hsCtaTracking=820e16f1-b6bc-4fc7-bdf4-87cae6d9bfa%7C3f517cf7-0c21-47b0-a192-5cd115cf9349)
27. **Andrade Rojas, M.G.**, Saldanha T., Khuntia, J., Kathuria, A., Boh, W.F. 2020. "Overcoming Deficiencies for Innovation in SMEs: IT for Closed Innovation versus IT for Open Innovation". International Conference on Information Systems (ICIS). Hyderabad, India. (https://aisel.aisnet.org/icis2020/digital_innovation/digital_innovation/9/)
28. **Andrade Rojas, M.G.**, Saldanha T., Khuntia, J., Kathuria, A., Boh, W.F. 2021. "Overcoming Innovation Deficiencies in Mexico: Use of Open Innovation through IT and Closed Innovation through IT by Small and Medium Enterprises".

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- Hawaii International Conference on System Sciences. (HICSS). (<https://scholarspace.manoa.hawaii.edu/server/api/core/bitstreams/daa5e2dd-8fea-470c-892b-e52fbc004fc5/content>)
29. Kathuria, A., Saldanha, T., Khuntia, J., **Andrade Rojas, M.G.**, Hah, H., Mithas, S. 2021. "Inferring Supplier Quality in the Gig Economy: The Effectiveness of Signals in Freelance Job Markets". Hawaii International Conference on System Sciences. (HICSS). (<https://scholarspace.manoa.hawaii.edu/items/9344f28b-a67e-417b-be71-e0340fbb8b5e>).
 30. **Andrade Rojas, M.G.**, Lin Y. 2020. "Keep your friends close and enemies closer? Enterprise social capacity and competitive intelligence capacity". POMS 2020. 31st annual conference. (<https://pomsmeetings.org/conf-2020/>)
 31. Singh A., **Andrade Rojas, M.G.** 2020. "The Antecedents and Consequences of Cyberbullying in the Workplace". POMS 2020. 31st annual conference. (<https://pomsmeetings.org/conf-2020/>)
 32. Halim, J., **Andrade Rojas, M.G.**, Zheng, Y., Boh, W.F. 2021. "Consequences of Forking in Blockchains: A Network-Based Approach". POMS 2021. 31st annual conference. (<https://pomsmeetings.org/conf-2021/documents/POMS-2021-Program-Book.pdf>)
 33. Adityaraj, R., **Andrade Rojas, M.G.**, Zheng, Y., Boh, W.F. 2021. "Consequences of Forking in Blockchains: A Network-Based Approach". POMS 2021. 31st annual conference. (<https://pomsmeetings.org/conf-2021/documents/POMS-2021-Program-Book.pdf>)
 34. Rahmati, P., **Andrade Rojas, M.G.**, Saldanha, T., Tiwana, A. 2021. "How IT Investments Reduce Corporate Fraud: Role of Firm and Industry Complexities". Workshop on Information Systems Economics (WISE), Austin, Tx. (<https://easychair.org/cfp/WISE2021?spy=7947404>)
 35. Zheng, Y., **Andrade Rojas, M.G.**, Boh, W.F. 2023. "Examining the Survival of Forked Blockchain Projects: A Multi-Stakeholder Perspective". Pacific Asia Conference on Information Systems (PACIS) 2023, Nanchang, China. (<https://aisel.aisnet.org/pacis2023/214/>)
 36. Chaturvedi, D., Kathuria, A., **Andrade Rojas, M.G.**, Saldanha, T. 2023. "Navigating the Paradox of IT Novelty and Strategic Conformity: The Moderating Role of Industry Dynamism", International Conference on Information Systems (ICIS). Hyderabad, India. *Nominated for Best Paper Award*. (https://aisel.aisnet.org/icis2023/gov_strategy/gov_strategy/14/)
 37. Sonpatki, R., Kathuria, A., **Andrade Rojas, M.G.** 2023. "Impact of Adverse Climatic Events on Firm IT Portfolios", presented in WISE 2023. (<https://sites.google.com/view/stagewise2023/program?authuser=0>)
 38. Kathuria, A., **Andrade Rojas, M.G.**, Saldanha, T. 2024. "Janus Redux: Designing Digital Service Portfolios in the Era of Uncertainty". Pacific Asia Conference on Information Systems (PACIS) 2024. (https://aisel.aisnet.org/pacis2024/track05_dibusmod/track05_dibusmod/4/)
 39. Chaturvedi, D., Kathuria, A., **Andrade Rojas, M.G.** 2024. "Sometimes You Gotta Risk It for The BiscUIT: Political Risks, Non-Political Risks, and Unconventional IT". International Conference on Information Systems (ICIS). Bangkok, Thailand. *Nominated for Best Paper Award*. (https://aisel.aisnet.org/icis2024/gov_strategy/gov_strategy/17/)
 40. Kathuria, A., Sonpatki, R., **Andrade-Rojas, M.G.**, Saldanha, T. 2024. "Apocalypse Now (or Later?): Climate Change and Non-Implementation of IT Applications". International Conference on Information Systems (ICIS). Bangkok, Thailand. *Best Paper in the Track Award. Nominated for Best Paper Award*. (https://aisel.aisnet.org/icis2024/it_implement/it_implement/3/)
 41. **Andrade-Rojas, M.G.**, "The Effectiveness of Law and Tech Against Cyberbullying", POMS 2025. 31st annual conference. Atlanta, Georgia.
 42. Erskine, M. A., **Andrade, M.**, Rodríguez Abitia, G., Faik, I., Moqbel, M. 2025. "Can Technology Save Integrity? Rethinking Corruption and Transparency in Emerging Markets." Americas Conference on Information Systems (AMCIS) 2025. (<https://aisel.aisnet.org/amcis2025/panels/panels/12>)
 43. Dai, W., **Andrade, M.**, Saldanha, T. 2025. "IT Infrastructure Innovation in China's Financial Services Industry: Implications for Firm Performance under the Xinchuang Initiative." Americas Conference on Information Systems (AMCIS) 2025. (https://aisel.aisnet.org/amcis2025/sig_osra/sig_osra/11/)
 44. Erskine, M. A., **Andrade, M.**, Rodríguez Abitia, G., Crossler, R., Faik, I. 2025. "Navigating the Digital Evolution of Emerging Economies: The Dire Straits of Bribery, Corruption, and Deceit". International Conference on Information Systems (ICIS) 2025. (<https://aisel.aisnet.org/icis2025/panels/panels/4/>)
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Seminar Presentations and Invitations

- École de gestion, Université de Sherbrooke, Canada.
- School of Business, The University of Hong Kong.
- Indian School of Business, Hyderabad, India.
- Ministry of Law, Government of Singapore.
- Department of MIS, Terry College of Business, The University of Georgia.
- Fox School of Business, Temple University.
- Carlson School of Management, University of Minnesota.
- Raymond A. Mason School of Business, William and Mary.
- School of Business, Southern Illinois University Edwardsville.
- Decision, Operations & Information Technologies, Robert H. Smith School of Business, The University of Maryland.

- Information Systems, Desautels Faculty of Management, McGill University.
- Department of Information Technologies, HEC Montreal.
- Department of Business Information and Analytics, Daniels College of Business, The University of Denver.
- Information Systems and Technology Department, IE Business School.
- Department of Information Systems of the College of Business, City University of Hong Kong.
- Department of Information Systems of University of Colorado Denver.
- UCD Michael Smurfit Graduate School of Business, University College Dublin.
- Nanyang Business School, Nanyang Technological University.
- School of Computing, National University of Singapore.
- Department of Management, Information Systems, and Entrepreneurship, Washington State University.

Grants and Monetary Research Awards

- Business, Systems, and Technology Innovation Seed Grant. 2024. UGA Terry College of Business: \$24,916 USD.
- Teaching innovation grant. 2024. The University of Georgia: \$2,500 USD.
- Ministry of Education (Singapore). 2020 Tier 1 Grant. **Andrade-Rojas, M.G.** (PI) and Boh Wai Fong (co-PI). Antecedents and Consequences of Forking in Blockchains: A Network-Based Approach: \$44,400 USD.
- Start-up grant (SUG). 2016. Nanyang Technological University: \$37,000 USD.
- Research Fund. 2016. IE Business School: \$10,500 USD.
- Seed Funding Program for Basic Research. 2015. The University of Hong Kong: \$4,484 USD.
- National Science Foundation and University of Illinois at Chicago. 2014: \$1,050 USD.
- Reaching Out Award 2014. HKSAR Government Scholarship Fund 2013-2014: \$1,300 USD.

Selected Honors and Awards

- Student Career Success Influencer Award 2023, 2024, Career Center, University of Georgia.
- *Best Paper Award, Track: IT Implementation and Adoption*. International Conference on Information Systems (ICIS), Bangkok, Thailand. 2024. Association for Information Systems (AIS).
- *Best Paper Award, Track: General Topics*. International Conference on Information Systems (ICIS), Seoul, South Korea. 2017. Association for Information Systems (AIS).
- Junior Faculty Consortium International Conference on Information Systems (ICIS), Seoul, South Korea. 2017.
- Junior Faculty Consortium International Conference on Information Systems (ICIS), Dublin, Ireland. 2016.
- Nominated Best in Business, Beta Gamma Sigma, Hong Kong Chapter, 2015.
- *Best Student Paper Runner-up Award* (OCIS Division), Academy of Management, 2014.
- Academy of Management OCIS Doctoral Consortium, Academy of Management, 2014. I was one of the 26 students selected worldwide to attend this Consortium.
- Academy of Management Conference *Best Paper Proceedings* (OCIS Division), Academy of Management, 2014.
- The University of Hong Kong “Conference Support for Research Postgraduate Students”, 2014.
- *International Awards*. The 17th Prize Presentation Ceremony. The University of Hong Kong, 2014.
- *International Awards*. The 18th Prize Presentation Ceremony. The University of Hong Kong, 2015.
- Microsoft GirlSpark Case Competition, *Winner*, Hong Kong, 2014.
- Selected as “Leader of Tomorrow” for St. Gallen Symposium 2013. *Best contributions worldwide*, 2013.
- The University of Hong Kong Postgraduate Scholarship, 2012, 2013, 2014.
- The University of Hong Kong Postgraduate Fellowship, 2011.
- State of Jalisco Scholarship “Impulso Jalisco 2011” for Postgraduate studies, 2011.
- State of Jalisco *Young Academic Leader Prize*, 2010.
- Excellent Student Prize and Best GPA, Summa Cum Laude, ITESM, 2010.
- Participant in APEC 2010 Symposium Tokyo, 2010.
- International Contest Shanghai Forum 2009. *Best contributions worldwide*, 2009.
- Finalist at Academic Cup 2008 at the Chinese University of Hong Kong, 2008.

Academic Service and Community Membership

- **PhD Students’ Thesis Committee Member / Advisor (seven students):**
 - Advisor: *University of Georgia*: Wei Dai. Dissertation topic: AI and Corporate Fraud.
 - Committee Member: *University of Georgia*: Tianwen Du, Ayoub Heydarzade (College of Engineering).
 - *Nanyang Technological University, Singapore*: Setor Tenace Kwaku, Chen Yi, Nila Zhang, Zhuoran Jiao.
- **External Reviewer:** Research Grants Council (RGC) of Hong Kong (2026-Present).
- **Associate Editor:** Information and Management (2022-2024).
- **Editorial Review Board:** Journal of the Association for Information Systems (2023).
- **Associate Editor** in ICIS 2019 in (General topic track in *Munich, Germany*), ICIS 2020 (Digital Innovation, Entrepreneurship and New Business Models track in *Hyderabad, India*), ICIS 2021 (Professional Development Workshops (PDW) Track in *Austin, Texas*), ICIS 2022 (IS and the future of work track in *Copenhagen, Denmark*), ICIS

2024 (Advances in Methods, Theories and Philosophy track in *Bangkok, Thailand*), ICIS 2025 (Advances in Methods, Theories and Philosophy track in *Nashville, USA*), ECIS 2020 (General track, *Online*), ECIS 2021 (General track in *Marrakech, Morocco*), PACIS 2024 (IS Governance, Strategy, and Value track in *Ho Chi Minh City, Vietnam*).

- **Faculty Mentor** at the Faculty Roundtable in AMCIS 2025 Doctoral Student Corner.
- **Reviewer:** Management Science, MIS Quarterly, ISR, JMIS, POMS, Research Policy, ECRA, JAIS, JSIS, International Journal of Information Management, EJIS, Information Systems Frontiers, Journal of Management Studies, Journal of Virtual Worlds Research, International Conference on Information Systems (ICIS), Americas Conference on Information Systems (AMCIS), Academy of Management (AOM) Annual Meeting, Hawaii International Conference on System Sciences (HICSS), Pacific Asia Conference on Information Systems (PACIS).
- **Mini-Track Chair** in AMCIS 2025 (Montreal, Canada), AMCIS 2024 (Salt Lake City, USA), AMCIS 2023 (Panama City, Panama), AMCIS 2022 (Minneapolis, MN), AMCIS 2021 (virtual conference), AMCIS 2020 (virtual conference), AMCIS 2019 (Cancun, Mexico), AMCIS 2018 (New Orleans, LA), AMCIS 2017 (Boston, MA), AMCIS 2016 (San Diego, CA): IT-Enabled Information Management Capability (IMC) in the Strategic and Competitive Use of Information Technology (SCUIT) track.
- **Program Committee Member** in Digital Innovations, Transformation, and Society Conference 2018. New Delhi, India; and Pacific Asia Conference on Information Systems 2019 (PACIS) in Xi'an China.
- **Membership:** Association for Information Systems, Academy of Management, Production and Operations Management Society, Beta Gamma Sigma (The International Business Honor Society).
- **Session chair:** 2018 Academy of Management Meeting (AOM), 2016 – 2022 Americas Conference on Information Systems (AMCIS), 2023 Workshop for e-Business, 2024 Pacific Asia Conference on Information Systems (PACIS), 2025 International Conference on Information Systems (ICIS).
- **Member of Faculty Search Committee:** President's Interdisciplinary Faculty Hiring Initiative in E-Mobility in the University of Georgia (Fall 2023 – Spring 2024). Information Systems and Technology Department junior faculty hiring committee member in IE Business School (Fall 2015).
- **Participation in MIS Faculty Search Process:** At University of Georgia, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026. At Nanyang Technological University, 2016-2017, 2017-2018, 2018-2019, 2019-2020.
- **Member of the Terry College of Business Professional Advancement Committee** (2024 – Present).
- **Member of the Data Analytics Committee at Terry College of Business** (2024 – Present).
- **Pedagogical Contributions:** Led the initiative to change the pedagogy of the Business Intelligence and Analytics courses to flipped classroom in The University of Georgia. In addition, I implemented new collaborative and active learning methods in MIST7770.
- **Teaching Support:** Guided and helped faculty within the MIS department at The University of Georgia to improve their pedagogical approaches and syllabus (e.g., Terence Saldanha, Carolina Salge, John Rios). Re-designed courses and provided pedagogical feedback for other faculty members in Nanyang Technological University (e.g., Teoh Teik Toe's RPA course).
- **Ph.D. Student Recruitment support:** Participated in the interview process and evaluation of one Ph.D. student applicant at The University of Georgia in Spring 2023 and Spring 2024.
- **External guest speaker committee:** Successfully invited and coordinated the visits of international and senior scholars to Nanyang Technological University, Singapore.
- **UiPath academic alliance manager:** I was the UiPath academic alliance manager in Nanyang Technological University, Singapore. I oversaw all the UiPath implementations across the University and UiPath training of other faculty members. I got certified as an RPA Design and Development Educator.
- **Course coordinator:** I am the course coordinator of Business Intelligence and Analytics in the MBA and MIS programs in UGA since 2024. I coordinated the AC2401 Accounting Information Systems course in Spring 2021. I managed a team of four senior faculty members, re-designed the course, and implemented a flipped classroom and active learning methods.

Teaching Interests

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| • Business analytics and business intelligence | • Social network analysis |
| • Artificial intelligence in business | • IT-enabled strategy, competition, and marketing |
| • Innovation and technology management | • Big data and machine learning |
| • Technology management and strategy | • Data visualization |

Teaching Experience

University of Georgia (UGA) – Athens, Georgia, USA.

- EMBA 7900: Business Intelligence/Data Visualization. Professional MBA Program.
 - Spring 2025: Instructor: 4.29, Course: 4.16
- MIST5620 Business Intelligence.
 - Spring 2025: Section 1 - Instructor: 4.39, Course: 4.17
 - Spring 2025: Section 2 -Instructor: 4.02, Course: 3.87
 - Spring 2024: Instructor: 4.75, Course: 4.40

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- Spring 2023: Instructor: 4.36, Course: 4.09
 - MIST7770 Business Intelligence and Analytics (MBA).
 - Spring 2025: Instructor: 4.40, Course: 4.10
 - Spring 2024: Instructor: 4.58, Course: 4.35
 - Spring 2023: Section 1 - Instructor: 4.84, Course: 4.73
 - Spring 2023: Section 2 - Instructor: 4.80, Course: 4.23
 - Spring 2022: Section 1 - Instructor: 4.40, Course: 4.10
 - Spring 2022: Section 2 - Instructor: 4.00, Course: 3.40
 - Guest Lecturer in Ph.D. Seminar MIST 9760 Foundational IS Theories and Emerging IS Phenomena. Fall 2022-Fall 2025.
- Notes: Evaluations are average scores (5-point scale) to the question: “Overall, the instructor was effective at teaching the subject matter” (Instructor), and “Overall, the course was excellent” (Course).

Executive Education & Corporate Training

- Customized training programs for corporate executives through the Terry College of Business Executive Education division (2024–present).
- Delivered sessions on Business Data Analytics (Analytics strategy, data governance, successful analytics frameworks, AI for data analytics). Participants included senior managers from Fortune 500 firms.

Nanyang Technological University (NTU)- Singapore, Singapore.

*Teaching scores before 2019 are not available due to access restrictions.

Topics taught in NTU include robotic process automation (RPA), artificial intelligence, data analytics, cybersecurity, IoT, blockchain, IT strategy, and enterprise resource planning (SAP).

- AC2401 Accounting Information Systems. 3 sections, Spring 2021.
 - Teaching scores for each section: 4.58, 4.31, 4.14
- AC2401 Accounting Information Systems. 2 sections, Spring 2020.
 - Teaching scores for each section: 4.49, 4.29
- AB1401 Technological Developments and Innovations. 2 sections, Spring 2019.
 - Teaching scores for each section: 4.56, 4.37
- AB1401 Information Technology. 2 sections, Spring 2018.
- AB1401 Information Technology. 2 sections, Spring 2017.
- IS9201 Contemporary Issues in Information Systems. PhD seminar, Spring 2018.
- IS9201 Contemporary Issues in Information Systems. PhD seminar, Spring 2021.

IE Business School – Madrid, Spain

- IMBA, “Innovation in a Digital World”, Spring 2016.
- Master in Management, “Technology and Innovation Management”, Spring 2016.
- GMBA, “Technology and Innovation Management”, Spring 2016.
- PhD Seminar, “Introduction to Information Systems”, Spring 2016.

Guest Lecturer

The University of Hong Kong – Hong Kong

- PMBA6042, “Information and Operations Management”, University of Hong Kong. Full-time, Part-time MBA, and Executive MBA programs. Fall 2014.
- BUSI0059, “Information Systems Analysis and Design”, University of Hong Kong. BBA. Spring 2014. Topic: “Business Process Modeling”.
- BUSI0059, “Information Systems Analysis and Design”, University of Hong Kong. BBA. Spring 2014. Topic: “User Interface Design”.

Teaching assistant

- PMBA6004, “Creativity and Business Innovation”, University of Hong Kong. Part-time MBA. Fall 2012.
- IMBA6046A, “Creativity and Business Innovation”, University of Hong Kong and Fudan University. International MBA. Fall 2013.
- IMBA6046B, “Creativity and Business Innovation”, University of Hong Kong and Fudan University. International MBA. Fall 2013.

Professional Teacher Training

- Certificate of Teaching and Learning in Higher Education. Conducted by the Centre for Enhancement of Teaching and Learning (CETL). The University of Hong Kong.

- Outcomes-Based Teaching and Learning. Conducted by the Teaching, Learning and Pedagogy Division (TLPD). Nanyang Technological University.
- Teaching Academy. The University of Georgia.

Technical Skills

- R, Python, Tableau, Stata, AI prompt engineering, SPSS, SAS, Gephi, Advanced Excel, RPA (UiPath).

Professional Experience

I have worked for various organizations in distinct geographical locations and across different industries (banking, property and construction, and consulting).

2011-2011 International Operations Analyst and Duty Dealer, Bank of America

- Led the department's Business Process Management Program, including the assignment of duties to other associates. The processes' accuracy raised from 90% to 98%.
- Implemented Quality Management Standards and developed a coaching program in which associates with 100% accuracy scores coached associates with lower scores. Processing efficiency rose by 16%.
- Developed automated analysis methods as part of the USA real estate market analytics initiative.

2010-2011 Deputy Sales and Marketing Manager, Ferremat

- Managed customer relationships and created a customer retention program, which increased the client retention rate by 20%.
- Generated a new marketing strategy based on analytics. Orders increased by 5%.
- Identified new business opportunities through quantitative market analysis.

2009-2009 Business Research and Communication Coordinator, Asia Pacific Institute Shanghai

- Analyzed information and business trends in China.
- Developed projects to increase trade between China and Mexico.
- Identified business opportunities for Latin American enterprises. Firms commercializing tomato, grapes, and tequila found clients in China.
- Coordinated trading partners' collaboration agreements, which resulted in a 10% average cost reduction.

2007-2008 Business Research Assistant, Asia Pacific Institute Guadalajara

- Identified investment opportunities for Chinese firms in Mexico.
- Provided statistical analysis of macroeconomic data, including data visualization.
- Managed relationships with Chinese investors. Supported members of the Chinese National Petroleum Corporation (CNPC) to visit Mexico, the visit resulted in a multimillion trade deal between PEMEX (Mexico's oil company) and CNPC.

2006-2007 Radio-show-host of the program "PyMes Radio"

- Created and managed a radio program focused on unveiling business opportunities for small and medium enterprises (SMEs).
- This radio program was the first business program featuring international speakers for a SMEs audience.

CURRICULUM VITAE

Professor François Billaut



Professor (full) of exercise physiology
 Department of Kinesiology, Faculty of Medicine
 Laval University

<https://www.researchgate.net/profile/Francois-Billaut>

Language proficiency: French, English

CAREER HIGHLIGHTS

EDUCATION

- 11/2004: **Ph.D.** – Université Toulon-Var, La Garde, France (exercise physiology)
- 07/2001: **M.Sc.** – Université de la Méditerranée, Marseille, France (human movement sciences)

PROFESSIONAL EXPERIENCE & TRAINING (extramural training in blue font)

- 05-08/2022: **Visiting research scholar**, Dr Tatum Simonson's lab, School of Medicine, University of California San Diego, US (genetic adaptations to altitude, altitude ancestry)
- 01-04/2022: **Visiting research scholar**, Dr Ethan Hill's lab, Institute of Exercise Physiology and Rehabilitation Science, University of Central Florida, US (responses to blood-flow restriction)
- 06/2014–present: **Full Professor** (A/Prof 06/2014–05/2018), Department of kinesiology, University Laval, Québec, Canada
- 02/2013: **Visiting research scientist**, Prof Tim Noakes's lab, Department of Human Biology, University of Cape Town, South Africa (set up NIRS platform for project on cerebral oxygenation in elite Kenyan runners)
- 08/2012–05/2014: **Sport science supervisor** (and **interim Director** for 2 months), Institut national du sport du Québec, Montréal, Canada
- 06/2011: **Visiting research scientist**, Dr Andrew Subudhi's lab, University of Colorado Springs, Colorado Springs, USA (training on cerebral oxygenation)
- 02/2011: **Visiting research scientist**, Prof Frank Marino's lab, School of Exercise Science Sport and Health, Charles Sturt University, Bathurst, Australia (set up NIRS platform for the School)
- 01/2010–07/2012: **Assistant Professor**, School of Sport and Exercise Science, Victoria University, Melbourne, Australia
- 07/2006–12/2009: **Assistant Professor**, Department of Kinesiology, University of Lethbridge, AB, Canada
- 09/2005–06/2006: **Post-doctoral Research Associate**, University of Western Australia, Perth, Australia
- 09/2002–09/2005: **Lecturer**, Faculté des Sciences du Sport, Université Toulon-Var, La Garde, France
- 07–09/2003: **Research internship**, Prof Marcel Boulay's lab, Université Laval, Québec, Canada

ACADEMIC RESEARCH OUTPUT

- ~CAN\$3,035,848 in grant funding
- 120 refereed publications
- 4 books and 4 book chapters
- 58 invited conference presentations
- >170 conference abstracts
- 39 graduate students (+ 45 undergraduates)
- Graduate students with **conference awards / scholarships**

HIGH-PERFORMANCE SPORT EXPERIENCE

- **17 years experience** in HP sport environment
- Head physiologist **Para Cycling Canada**
- Head physiologist **Speed Skating Canada**
- Physiologist **Cross Country Ski Canada**
- Physiologist **Canoe Kayak Canada Men's Sprint**
- Physiologist **Athletics Canada**
- Expert consultant for **Canadian Institutes of Sport**
- Collaborated with **Australian Institute of Sport**



- Exercise & Sports Science Australia (2012-2014)
- Association des Chercheurs en Activités Physiques et Sportives (2002-2005)

HONOURS & AWARDS

- 2021: Article with MSc student selected as **Editor's Choice** in *Sports*
- 2019: Article with MSc student selected for **special issue cover** page in *Sports* (volume 7, issue 5, may 2019)
- 2011: **VU Mid-Career Researcher Scheme** (teaching release for one year and AUS\$12,000)
- 2010: **Australian Sport Medicine Federation Fellows Award** "Highly Recommended presentation in Exercise and Sports Science", Port Douglas, QLD, Australia
- 2008: **Leaders Opportunity Award** – Canadian Foundation for Innovation

RESEARCH GRANTS & FELLOWSHIPS (PI=principal investigator, **extramural funds in blue font** = 94% of total funding, all funds in CAN\$)

2025:

- Ministère de l'éducation du Québec (MEQ) – Projet Synergique (PI, 2026-2027) – Modulation de la performance en sprint par un entraînement ciblé selon les phases du cycle menstruel. \$30,000
- MITACS Acceleration (PI, 2025-2027) – Interval training with inter-effort hypoxic recovery: investigating a new training paradigm. \$75,000
- MITACS Acceleration (PI, 2025-2026) – Suivi longitudinal des qualités physiologiques des fondeuses élite-relève. \$45,000
- Conseil de Recherches en Sciences Humaines du Canada (CRSH) – Subvention d'engagement partenarial individuelle (co-PI, 2024-2025) – Promouvoir le développement positif des étudiants-athlètes : une analyse des besoins en contexte de sport universitaire. \$24,999

2024:

- Fondation IUCPQ (PI, 2024-2025) – *Oxidative stress and inflammation responses to a new hypoxic conditioning modality. \$10,161*
- Ministère de l'éducation du Québec (MEQ) – Projet Synergique (co-PI, 2025-2026) – Suivi longitudinal des qualités physiologiques des fondeuses élite-relève. \$29,000
- Partenariat Privilegié ULaval-UNIL (co-PI, 2024-2026) – Gravit'Hyp : course en antigravité et hypoxie, quels effets sur la distribution du flux sanguin et le débit cardiaque ? \$15,000
- Institut national du sport du Québec, Subvention du Programme de recherche, d'innovation et de diffusion de l'information (PRIDI) (PI, 2024-2026) – Interval training with inter-effort hypoxic recovery : investigating a new training paradigm. \$48,000
- MITACS Acceleration (PI, 2024-2026) – Surveillance de la charge d'entraînement : méthodes et applications en dynamophilie. \$45,000
- MITACS Acceleration (PI, 2024-2025) – Monitoring of training and performances in Quebec biathletes. \$20,000
- Ministère de l'éducation du Québec (MEQ) – Projet Synergique (co-PI, 2024-2026) – Unification du suivi de l'entraînement des biathlètes québécois. \$50,736

2023:

- Fondation IUCPQ (co-PI, 2023-2024) – *Impact of acute hypoxia on dynamic cerebral autoregulation in healthy volunteers. \$20,000*
- MITACS Acceleration (PI, 2024-2026) – Development of ventilatory training practises for artistic swimming athletes. \$30,000
- Innovation for Gold, Own The Podium (PI, 2022-2023) – Hypoxic training to enhance speed endurance in world-class short-track speed skaters. \$18,720
- Ministère de l'éducation du Québec (MEQ) – Projet Synergique (co-PI, 2023-2024) – Effets du préconditionnement ischémique sur les adaptations à un camp d'altitude chez des skieurs de fond. \$39,066.19

2022:

- Fellowship Visiting Professor for research leave (January – August 2022). **\$17,500**
- MITACS Acceleration (PI, 2022-2024) – Characterization and optimisation of muscle oxygen extraction and performance in elite judo athletes. \$60,000

- [MITACS Acceleration \(PI, 2022-2024\)](#) – *The effects of ischemic preconditioning on training adaptations to an altitude camp in trained runners.* **\$30,000**
- [Fond de recherche du Québec Société et culture \(FRQSC\), Soutien aux équipes de recherche : nouvelle équipe \(co-PI, 2022-2026\)](#) – *Soutien au développement positif des élèves-athlètes en contexte de sport scolaire.* **\$239,960**

2021:

- [Institut national du sport du Québec, Subvention du Programme de recherche, d'innovation et de diffusion de l'information \(PRIDI\) \(PI, 2022-2024\)](#) – *Characterization and optimisation of muscle oxygen extraction and performance in elite judo athletes.* **\$36,788**
- [Ministère de l'éducation du Québec \(MEQ\) – Projet Synergique \(co-PI, 2020-2026\)](#) – *Optimisation de la charge d'entraînement et prévention des blessures sportives.* **\$367,155**
- [Fond France Canada pour la Recherche \(FFCR\), Programme 2021 « Nouvelle collaboration de recherche » \(co-PI, 2021-2023\)](#) – *Effet aigu combiné de l'hypoxie et de l'occlusion vasculaire sur les adaptations physiologiques et la capacité physique.* **\$14,670**
- [Conseil de Recherches en Sciences Humaines du Canada \(CRSH\)](#) – subvention de développement de partenariat individuelle (**co-PI**, 2021-2024) – *Mise en œuvre d'un programme d'accompagnement favorisant le développement positif des élèves-athlètes destiné aux intervenants scolaires et aux parents.* **\$199,959**
- [Sport'Aide](#) – partenaire externe dans la subvention CRSH (**co-PI**, 2021-2023) – *Mise en œuvre d'un programme d'accompagnement favorisant le développement positif des élèves-athlètes destiné aux intervenants scolaires et aux parents.* Contributions aux ressources humaines et matérielles et soutien pédagogique. **\$123,192**
- [Réseau du sport étudiant du Québec \(RSEQ\)](#) – partenaire externe dans la subvention CRSH (**co-PI**, 2021-2022) – *Mise en œuvre d'un programme d'accompagnement favorisant le développement positif des élèves-athlètes destiné aux intervenants scolaires et aux parents.* Contributions aux ressources humaines et matérielles et soutien pédagogique. **\$11,000**
- Université Laval (Vice-rectorat à la recherche, à la création et à l'innovation, Faculté des sciences de l'éducation, Centre de recherche interuniversitaire sur la formation et la profession enseignante – partenaires externes dans la subvention CRSH) (**co-PI**, 2021-2022) – *Mise en œuvre d'un programme d'accompagnement favorisant le développement positif des élèves-athlètes destiné aux intervenants scolaires et aux parents.* **\$75,840**
- [Conseil de Recherches en Sciences Humaines du Canada \(CRSH\)](#) – subvention institutionnelle BDR (**co-PI**, 2021-2022) – *Mise en place d'une infrastructure pour favoriser l'essor de la recherche sur le développement positif des élèves-athlètes en contexte de sport scolaire.* **\$2963,28**

2020:

- [MITACS Globalink Research Award, Japan Society for the Promotion in Science Summer Research Program \(PI, 2020\)](#) – *Effects of high-intensity training combined with breath-holding on human physiology and performance.* **\$3,000**
- [Institut national du sport du Québec, Subvention du Programme de recherche, d'innovation et de diffusion de l'information \(PRIDI\) \(sole PI, 2020-2021\)](#) – *Impact de l'entraînement par intervalles avec restriction sanguine sur les déterminants de la performance en endurance.* **\$15,000**
- [Fondation IUCPQ \(co-PI, 2020-2021\)](#) – *Effet de 6 semaines d'entraînement HIIT sur le cœur et les vaisseaux du cerveau d'athlètes masculins d'endurance.* **\$20,000**
- [Conseil de Recherches en Sciences Humaines du Canada \(CRSH\)](#) – subvention institutionnelle BDR (**co-PI**, 2020-2022) – *Optimiser le développement des élèves-athlètes en contexte de sport scolaire au secondaire.* **\$4,000**
- [Fondation de l'Université Laval \(co-PI, 2020-2021\)](#) – *Développement positif des élèves-athlètes.* **\$2,397.92**

2019:

- [Fondation IUCPQ \(co-PI, 2019-2020\)](#) – *Entraînement par intervalles à haute intensité chez les athlètes d'endurance : amélioration de la fonction cardiorespiratoire, mais à quel prix?* **\$25,000**
- [Conseil de Recherches en Sciences Humaines du Canada \(CRSH\)](#) – engagement partenarial (**co-PI**, 2019-2020) – *Assessing the needs of school sport stakeholders and student athletes regarding positive youth development.* **\$24,961**
- [Ministère de l'Éducation et de l'Enseignement supérieur \(Bureau des Loisirs et du Sport\) \(co-PI, 2019-2021\)](#) – *Évaluation des enjeux et besoins des élèves-athlètes faisant partie d'un programme de type Sport-études au secondaire.* **\$40,000**

2018:

- Fondation IUCPQ (PI, 2018-2019) – *Apnea walking: an efficient approach to enhance cardiometabolic health.* **\$12,067**
- Fondation IUCPQ (co-PI, 2018-2019) – *Les effets de l'hypoxie sur l'homéostasie du glucose et la communication intertissulaire muscle squelettique-tissu adipeux.* **\$6,500**
- [Innovation for Gold, Own The Podium](#) (PI, 2018-2019) – *Hypoxic training to enhance speed endurance in world-class short-track speed skaters.* **\$22,400**
- [Innovation for Gold, Own The Podium](#) (PI, 2018-2019) – *Enhancing sprint performance through hypoxic training in canoe-kayak athletes.* **\$41,729**
- [Innovation for Gold, Own The Podium](#) (co-PI, 2018-2019) – *Validity and reliability of an agility test in water polo.* **\$26,750**
- [Institut national du sport du Québec, Subvention du Programme de recherche, d'innovation et de diffusion de l'information \(PRIDI\)](#) (PI, 2018-2019) – *Le préconditionnement ischémique pour optimiser la récupération de l'athlète.* **\$19,620**
- Fondation de l'Université Laval (co-PI, 2018-2019) – *Développement positif des élèves athlètes.* **\$10,000**
- [MITACS Acceleration](#) (PI, 2018-2020) – *The effects of Radical Plus consumption on exercise capacity in humans.* **\$44,500**

2017:

- [Institut national du sport du Québec, Subvention du Programme de recherche, d'innovation et de diffusion de l'information \(PRIDI\)](#) (PI, 2017-2019) – *Optimisation de l'extraction musculaire d'oxygène et de la performance en canoë-kayak de vitesse grâce à l'entraînement par intervalles.* **\$39,440**
- [Innovation for Gold, Own The Podium](#) (PI, 2017-2018) – *A fresher skater skates faster: optimizing recovery with hyperbaric oxygen therapy.* **\$32,495**
- [Innovation for Gold, Own The Podium](#) (PI, 2017-2018) – *Road to Tokyo 2020: optimising heat acclimation protocols for hand cyclists.* **\$29,995**
- [Equipment grant ESQI](#) (PI, 2017) – *Infrastructure for testing and training athletes from the Quebec region.* **\$10,000**

2016:

- Fondation IUCPQ (PI, 2016-2018) – *Acute and chronic effects of sprint-interval straining combined with ischemic preconditioning in healthy but sedentary individuals.* **\$12,474**
- [Queensland Academy of Sport](#) (co-PI, 2016-2019) – *Who, Why, and wHot: Hormonal contraception - an examination of the prevalence, perceived benefits, and the adverse consequences on performance in the heat.* **\$216,000**

2015:

- [MITACS Acceleration/Own The Podium](#) (sole PI, 2015-2018) – *Biomechanical and metabolic analysis of world-class short track speed skaters.* **\$180,000**
- Fondation IUCPQ (co-PI, 2015-2017), – *The effects of short-term exercise training under hypoxia in obese men: a pilot study.* **\$7,800**
- Fondation IUCPQ (co-PI, 2015-2017) – *Effets de l'entraînement sur la prevalence de symptomes orthostatiques chez l'athlète féminin.* **\$15,000**

2011:

- VU Research Infrastructure Block Grant (co-PI, 2011) – *Brain and Behaviour Assessment System.* **\$120,000**
- [Australian Institute of Sport High Performance Sport Research Fund](#) (co-PI, 2011-2013) – *Nutritional supplements to enhance team-sport athlete skill performance and decision making in extreme environments.* **\$22,000**
- [Australian Sport Commission](#)–VU Collaborative Research Fund (PI, 2011-2013) – *Evaluating neuromuscular power and fatigue resistance in Olympic sprint cyclists (track and BMX): combining emerging technology with contemporary technology.* **\$40,000**
- [Australian Sport Commission](#)–VU Collaborative Research Fund (co-PI, 2011-2013) – *Competition at altitude: performance decrement and time course of adaptation.* **\$50,000**
- [Australian Sport Commission](#)–VU Collaborative Research Fund (co-PI, 2011-2013) – *Taking the plunge: does hydrotherapy help or hinder recovery from resistance training.* **\$50,000**
- Victoria University Out of Cycle Grant (co-PI, 2011-2013) – *Nutritional supplements to enhance team-sport athlete skill performance and decision making in extreme environments:* **\$10,000**

2010:

- Victoria University Research Development Grant Scheme (**sole PI**) – *The brain of team-sport players at altitude: \$30,000*
- Victoria University Out of Cycle Grant (**PI**) – *Influence of central and peripheral neural processes on performance in cycling: \$30,000*

2009:

- University of Lethbridge Research Fund (**PI**) – *Brain oxygenation during severe exercise: a matter of sex?: \$4,500*
- [Sport Science Association of Alberta](#) research grant (**PI**) – *Cerebral functional activation during exhaustive cycling: \$5,620*
- [Sport Science Association of Alberta](#) research grant (**PI**) – *Hormonal and neuromuscular responses to ultra-endurance competition in female athletes: \$5,840*
- [Alberta Sport, Recreation Park, and Wildlife Foundation](#) (**PI**) – *Cerebral cortex activity during supramaximal exercise in male and female athletes: \$4,500*

2008:

- [Canada Foundation for Innovation – Leaders Opportunity Fund](#) (**PI**) – *Women & exercise: infrastructure for understanding a complex integrative physiology: \$138,772*
- [Canada Foundation for Innovation – Infrastructure Operating Fund](#) (**PI**) – *Women & exercise: infrastructure for understanding a complex integrative physiology: \$6,807*

2007:

- University of Lethbridge Research Fund (**PI**) – *Skeletal muscle fatigue during multiple-sprint exercise in team-sports: \$4,500*

2006:

- [Sport Science Association of Alberta](#) research grant (**PI**) – *Sex differences in motor control during multiple-sprint exercise: \$3,520*

2001 – 2004:

- Ph.D. supported by a French Ministry of Research and Work Scholarship: **\$25,000 per year**

2003:

- Scholarship from the National Sports Centre Montreal for doctoral training – *Effects of intermittent normobaric hypoxia on the anaerobic and aerobic performance: \$2,500*
- Travel scholarship from the Université du Sud Toulon-Var, La Garde, France for International Research Development: **\$1,000**

LETTERS TO EDITOR AND COMMENTARIES (names of trainees are underlined)

1. Bourgeois H, Paradis-Deschênes P, **Billaut F** (2020). Commentary: Active preconditioning with blood-flow restriction or/and systemic hypoxic exposure does not improve repeated sprint cycling performance. *Front Physiol* 11: 122
2. Paradis-Deschênes P, Joannis DR, **Billaut F** (2018). Response to Editor-in-Chief letter. *Med Sci Sports Exerc* 50: 2613
3. **Billaut F**, Girard O, Millet GP (2018). Commentary on viewpoint: Hypoxia could further enhance peripheral muscle adaptations to resistance training and boost W'. *J Appl Physiol* 124: 529-535
4. **Billaut F**, Gore CJ, Aughey RJ (2012). Authors' reply. *Sports Med* 42: 1083-1085

ARTICLES IN REFEREED JOURNALS PUBLISHED OR IN PRESS (names of trainees are underlined, reviews and editorials in blue font)

1. Guézennec J, Correa D, **Billaut F** (in press). Influence of the combination of end-expiratory breath hold training and inspiratory muscle training on performance in artistic swimmers. *Appl Physiol Nutr Metab*
2. Lanigan B, Tinely Z, Binnie MJ, Peeling P, Scott BR, Peiffer JJ, Galna B, Dennis MC, **Billaut F**, Goods P, (in press). VO₂peak provides a better predictor of rowing ergometer mean maximal power than maximal oxygen extraction in trained rowers. *J Strength Cond Res*
3. Soleimani Dehnavi S, Smirl J, Roy M-A, Labrecque L, **Billaut F**, Smith K, Lucas S, Ainslie P, Brassard P (in press). Cerebral pressure-flow relationship directional sensitivity in healthy lowlanders and natives at high altitude. *Am J Physiol*
4. Chambion-Diaz M, Chertin J, Pialoux V, **Billaut F** (2025). Combination of weight reduction and hypoxia on physiological and perceptual responses to a high-intensity interval exercise. *J Sports Sci* 43: 729-737

5. [Bourgeois H](#), [Paradis-Deschênes P](#), **Billaut F** (2025). High-intensity interval training with blood-flow restriction enhances sprint and maximal aerobic power in male endurance athletes. *Appl Physiol Nutr Metab* 50: 1-11
6. [Yáñez-Sepúlveda R](#), [Rojas-Valverde D](#), [Parraça J](#), **Billaut F**, [Perrey S](#), [Vásquez-Bonilla A](#) (2024). Editorial: Muscle oxygenation and vascular adaptations in sports performance and rehabilitation. *Front Physiol* 15:1502939
7. [Sautillet B](#), [Boudillon N](#), [Millet GP](#), **Billaut F**, [Hassar A](#), [Moufti H](#), [Ahmaidi S](#), [Costalat G](#) (2024). Hot but not cold water immersion mitigates the decline in rate of force development following exercise-induced muscle damage. *Med Sci Sports Exer* 56: 2362-2371
8. [Gonzales-Rojas D](#), [Wizenberg A](#), [Rivera PM](#), [Proppe CE](#), [Lawson J](#), [Stock M](#), [Stout JR](#), **Billaut F**, [Hill EC](#) (2024). Acute effects of sprint interval training and blood flow restriction on neuromuscular and muscle function. *J Musculoskelet Neurol Interact* 24: 38-46
9. **Billaut F**, [Rousseau Demers M](#), [Hibbert A](#) (2023). Performance kinetics during repeated sprints is influenced by knowledge of task endpoint and associated peripheral fatigue. *Int J Ex Sci* 16: 987-998
10. [Brocherie F](#), **Billaut F**, [Deldicque L](#) (2023). Editorial: Sex differences in sport performance. *Front Sports Act Living* 5:1230330
11. [Deguire S](#), **Billaut F**, [Bieuzen F](#) (2023). Time decay in the performance benefits from repeated-sprint training in hypoxia in world-class short-track speed skaters. *Int J Sports Physiol Perform* 18: 711-717
12. [Chamoun N](#), [Drapeau A](#), [Labrecque L](#), [Imhoff S](#), [Roy M-A](#), **Billaut F**, [Rahimaly K](#), [Brassard P](#) (2023). Comparable blood velocity changes in middle and posterior cerebral arteries during and following acute high-intensity exercise in young fit women. *J Appl Physiol* 134: 1470-1480
13. [Wizenberg A](#), [Gonzales-Rojas D](#), [Rivera PM](#), [Proppe CE](#), [Laurel KP](#), [Stout JR](#), [Fukuda DH](#), **Billaut F**, [Keller JL](#), [Hill EC](#) (2023). The acute effects of continuous and intermittent blood-flow restriction on sprint interval performance and muscle oxygen responses. *J Strength Cond Res* 37: e546-e554
14. [Dennis MC](#), [Goods P](#), [Binnie MJ](#), [Girard O](#), [Wallman KE](#), [Dawson BT](#), **Billaut F**, [Peeling P](#) (2023). Increased air temperature during repeated-sprint training hypoxia amplifies changes in muscle oxygenation without decreasing cycling performance. *Eur J Sports Sci* 1: 62-72
15. [Goods PSR](#), **Billaut F**, [Brocherie F](#), [Louis J](#) (2022). Editorial: Managing physiological and biomechanical load adaptation pathways in high-performance sport: challenges and opportunities. *Front Sports Act Living* 4:1041998
16. **Billaut F** (2022). Editorial: Special Issue “Optimising interval training prescription”. *Sports* 10:87
17. [Telles LG](#), **Billaut F**, [De Souza Ribeiro A](#), [Junqueira CG](#), [Leitao L](#), [Barreto AC](#), [Panza P](#), [Vianna JM](#), [Novaes J](#) (2022). Ischemic preconditioning with high and low pressure enhances maximum strength and modulates heart rate variability. *Int J Environ Res Public Health* 19: 7655-7668
18. [Dennis MC](#), [Goods P](#), [Binnie MJ](#), [Girard O](#), [Wallman KE](#), [Dawson BT](#), **Billaut F**, [Peeling P](#) (2023). Repeated-sprint training in the heat and hypoxia: acute responses to manipulating exercise-to-rest ratio. *Eur J Sports Sci* 23: 1175-1185
19. [Telles LG](#), **Billaut F**, [Cunha G](#), [De Souza Ribeiro A](#), [Monteiro ER](#), [Barreto AC](#), [Leitao L](#), [Panza P](#), [Vianna J](#), [Novaes J](#) (2022). Ischemic preconditioning improves handgrip strength and functional capacity in active elderly women. *Int J Environ Res Public Health* 19: 6628-6638
20. [Forteza F](#), [Julien I](#), [Nguyen G](#), [Agudelo F](#), [Rocheffort G](#), [Parent L](#), [Rakotoarivelo V](#), [Feutry P](#), [Martin C](#), [Perron J](#), [Lamarche B](#), [Flamand N](#), [Veilleux A](#), **Billaut F**, [Di Marzo V](#), [Raymond F](#) (2022). Influence of diet on acute endocannabinoidome mediators post exercise response in active women, a crossover randomized study. *Sci Rep* 12: 8568
21. **Billaut F**, [Paradis-Deschênes P](#), [Richard P](#) (2022). Utilisation of ischemic preconditioning for athletes competing and training at altitude: applications and perspectives. *J Sci Sport Ex* 4: 346-357
22. [Cyr-Kirk S](#), **Billaut F** (2022). Hyperoxia improves repeated-sprint ability and the associated training load in trained athletes. *Front Sports Act Living* 4: 817280
23. [Lemaître F](#), **Billaut F**, [Joulia F](#) (2022). Editorial: Usefulness of a better knowledge of breath-holding physiology for athletic training and pathologies. *Front Physiol* 13: 858371
24. [Marlinge M](#), [Chefrour M](#), **Billaut F**, [Zavarro M](#), [Rostain JC](#), [Coulange M](#), [Guieu R](#), [Joulia F](#) (2021). Blood adenosine increase during apnea in spearfishermen reinforces the efficiency of the cardiovascular component of the diving reflex. *Front Physiol* 12: 743154
25. [Woorons X](#), **Billaut F**, [Lamberto C](#) (2021). Running exercise with end-expiratory breath holding up to the breaking point induces large and early fall in muscle oxygenation. *Eur J Appl Physiol* 121: 3515-3525
26. [Bouffard S](#), [Paradis-Deschênes P](#), **Billaut F** (2021). Neuromuscular adjustments following sprint training with ischemic preconditioning in endurance athletes: preliminary data. *Sports* 9: 124-136
27. [Paquette M](#), [Bieuzen F](#), **Billaut F** (2021). The effect of HIIT vs SIT on muscle oxygenation in trained sprint kayakers. *Eur J Appl Physiol* 121: 2743-2759

28. Ferri A, Yan X, Kuang J, Granata C, Oliveira RFS, Edges CP, Lima-Silva AE, **Billaut F** Bishop DJ (2021). Fifteen days of moderate normobaric hypoxia does not affect mitochondrial function and related genes and proteins in healthy men. *Eur J Appl Physiol* 121: 2323-2336
29. Dong L, Paradelo D, Delorme A, Oliveira J, Parillo B, Croteau F, Romeas T, Dubé E, Bieuzen F, **Billaut F**, Berryman N (2021). Sport-specific agility and change-of-direction in water polo: the reliability and validity of two newly developed tests. *J Strength Cond Res* 35: S111-S118
30. Silva V, de Freitas MC, Cholewa JM, **Billaut F**, Lira FS, Rossi FE (2021). Capsaicinoid and capsinoids as an ergogenic aid: a systematic review and the potential mechanisms involved. *Int J Sports Physiol Perform* 16: 464-473
31. Costalat G, Godin B, Balmain B, Moreau C, Brotherton E, **Billaut F**, Lemaître F (2021). Autonomic regulation of the heart and arrhythmogenesis in trained breath-hold divers. *Eur J Sport Science* 21: 439-449
32. Paradis-Deschênes P, Lapointe J, Joannis DR, **Billaut F** (2020). Similar recovery of maximal cycling performance after ischemic preconditioning, neuromuscular electrical stimulation or active recovery in endurance athletes. *J Sports Sci Med* 19: 761-771
33. Figueiredo C, Lira FS, Rossi FE, **Billaut F**, Loschi R, Padilha CS (2020). Multi-ingredient pre-workout supplementation changes energy system contribution and improves performance during high-intensity intermittent exercise in physically-active individuals: a double-blind and placebo controlled study. *J Int Soc Sport Nut* 17: 30-38
34. Paquette M, Bieuzen F, **Billaut F** (2020). Effect of a 3-week training camp on muscle deoxygenation, VO_2 and performance in elite sprint kayakers. *Front Sports Act Living* 2:47
35. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2020). Ischemic preconditioning enhances aerobic adaptations to sprint-interval training in athletes without altering systemic hypoxic signaling and immune function. *Front Sports Act Living* 2: 41
36. Lapointe J, Paradis-Deschênes P, Woorons W, Lemaître F, **Billaut F** (2020). Impact of voluntary hypoventilation training on muscle oxygenation, myoelectrical changes, systemic $[\text{K}^+]$ and repeated-sprint ability in basketball players. *Front Sports Act Living* 2: 29
37. Padilha CS, **Billaut F**, Figueiredo C, Panissa V, Rossi FE, Lira FS (2020). Capsaicin supplementation during high-intensity continuous exercise: a double-blind study. *Int J Sports Med* 41: 1061-1066
38. Labrecque L, Drapeau A, Rahimaly K, Imhoff S, **Billaut F**, Brassard P (2020). Comparable blood velocity changes in middle and posterior cerebral arteries during and following acute high-intensity exercise in young fit women. *Physiological Reports* 8: e14430
39. Soo J, **Billaut F**, Bishop DJ, Christian RJ, Girard O (2020). Neuromuscular and perceptual response during repeated cycling sprint - usefulness of a “hypoxic to normoxia” recovery approach. *Eur J Appl Physiol* 120: 883-896
40. Woorons X, **Billaut F**, Vandevallé H (2020). Transferable benefits of cycle hypoventilation training for run-based performance in team-sport athletes. *Int J Sports Physiol Perform* 15: 1103-1108
41. Rodriguez RE, Townsend NE, Aughey RJ, **Billaut F** (2019). Muscle oxygenation maintained during repeated sprints despite inspiratory muscle loading. *PLoS ONE* 14(9): e0222487
42. Paquette M, Bieuzen F, **Billaut F** (2019). Sustained muscle deoxygenation vs sustained high VO_2 during high-intensity interval training in sprint canoe-kayak. *Front Sports Act Living* 1: 6-14
43. Fortin J-F, **Billaut F** (2019). Blood-flow restricted warm-up alters muscle haemodynamics and oxygenation during repeated sprints in American football players. *Sports* 7: 121-135
44. da Mota GR, Willis SJ, dos Santos N, Borrani F, **Billaut F**, Millet GP (2019). Ischemic preconditioning maintains performance on two 5 km time-trials in hypoxia. *Med Sci Sports Exerc* 51: 2309-2317
45. Santana JO, Madureira D, de França E, Rossi FE, Rodriguez B, Fukushima AR, **Billaut F**, Lira FS, Caperuto EC (2019). Nitrate supplementation combined to a running training program improved time-trial performance in recreationally-trained runners. *Sports* 7: 120-129
46. Morrison JD, Quinn KM, MacDonald LA, **Billaut F**, Minahan CL (2019). Repeated treadmill sprints impair cognitive performance in amateur team-sport athletes when performed in normobaric hypoxia. *J Sports Sci Med* 18: 369-375
47. de Freitas MC, **Billaut F**, Panissa V, Rossi FE, Figueiredo C, Caperuto EC, Lira FS (2019). Capsaicin supplementation increases time to exhaustion in high-intensity intermittent exercise without modifying metabolic responses in physically-active men. *Eur J Appl Physiol* 119: 971-979
48. Rodriguez RE, Townsend NE, Aughey RJ, **Billaut F** (2019). Respiratory muscle oxygenation is not impacted by hypoxia during repeated-sprint exercise. *Resp Physiol Neurobiol* 260: 114-121
49. Richard P, **Billaut F** (2019). Effects of inspiratory muscle warm-up on locomotor muscle oxygenation in elite speed skaters during 3000-m time trials. *Eur J Appl Physiol* 119: 191-200
50. Marocolo M, **Billaut F**, Da Mota (2018). Ischemic preconditioning and exercise performance: an ergogenic aid for whom? *Front Physiol* 9: 1874

51. De Souza Ribeiro A, Novaes J, Telles LG, Raider L, Laterza M, **Billaut F**, Vianna J (2018). Acute effect of ischemic preconditioning on the performance of judo athletes. *Arch Budo* 14: 161-170
52. Quinn KM, **Billaut F**, Bulmer AC, Minahan CL (2018). Cerebral oxygenation declines but does not impair peak oxygen uptake during incremental cycling in women using oral contraceptives. *Eur J Appl Physiol* 118: 2417-2427
53. Richard P, **Billaut F** (2018). Combining chronic ischemic preconditioning and inspiratory muscle warm-up to enhance on-ice time-trial performance in elite speed skaters. *Front Physiol* 9: 1036
54. Hibbert AW, **Billaut F**, Varley MC, Polman RCJ (2018). Goal orientation and the presence of competitors influence cycling performance. *Front Psychol* 9: 1212
55. Rodriguez RF, Townsend NE, Aughey RJ, **Billaut F** (2018). Influence of averaging method on muscle deoxygenation interpretation during repeated-sprint exercise. *Scan J Med Sci Sports* 28: 2263-2271
56. Richard P, **Billaut F** (2018). Time-trial performance in elite speed skaters after remote ischemic preconditioning. *Int J Sports Physiol Perform* 13: 1308-1316
57. Richard P, Koziris LP, Charbonneau M, Naulleau R, Tremblay J, **Billaut F** (2018). Time-trial performance in world-class speed skaters after chronic nitrate ingestion. *Int J Sports Physiol Perform* 13: 1317-1323
58. Paquette M, Bieuzen F, **Billaut F** (2018). Muscle oxygenation rather than VO₂max is a strong predictor of performance in sprint canoe-kayak. *Int J Sports Physiol Perform* 13: 1299-1307
59. Dupuy O, **Billaut F**, Raymond F, Benraiss A, Theurot D, Bosquet L, Fraser S, Tremblay J (2018). Effect of acute intermittent exercise on cognitive flexibility: the role of exercise intensity. *J Cogn Enhanc* 2: 146-156
60. Paradis-Deschênes P, Joannis DR, **Billaut F** (2018). Ischemic preconditioning improves time-trial performance at moderate altitude. *Med Sci Sports Exerc* 50: 533-541
61. Schneiker TK, Fyfe JJ, **Billaut F**, Bishop DJ (2018). Power-to-strength ratio influences performance enhancement with contrast training. *Med Sci Sports Exerc* 50: 1422-1432
62. **Billaut F**, Gueit P, Faure S, Costalat G, Lemaître F (2018). Do elite breath-hold divers suffer from mild short-term memory impairment? *Appl Physiol Nutr Metab* 43: 247-251
63. Christie CJ, Elliot E, Pote L, Steenekamp T, **Billaut F**, Noakes TD (2018). Effect of expertise on pacing strategies and sprint performance in bastmen. *J Sci Med Sports* 21: 513-517
64. Hammami M, Negra Y, **Billaut F**, Hermassi S, Shephard RJ, Chelly MS (2018). Effects of lower-limb strength training on agility, repeated sprinting with changes of direction, leg peak power, and neuromuscular adaptations of soccer players. *J Strength Cond Res* 32: 37-47
65. O'Bryan S, **Billaut F**, Taylor JL, Rouffet DM (2018). Knee extensor fatigue accumulated during high-intensity exercise limits lower-limb power production. *J Sports Sci* 36: 1030-1037
66. Girard O, **Billaut F**, Christian RJ, Bradley PS, Bishop DJ (2017). Exercise-related sensations contribute to decrease power during repeated cycle sprints with limited influence on neural drive. *Eur J Appl Physiol* 117: 2171-2179
67. Hibbert AW, **Billaut F**, Varley MC, Polman RCJ (2017). Familiarisation protocol influences reproducibility of 20-km cycling time-trial performance in novice participants. *Front Physiol* 8:488
68. Santos-Concerejo J, **Billaut F**, Grobler L, Olivan J, Noakes TD, Tucker R (2017). Brain oxygenation declines in elite Kenyan runners during a maximal interval training sessions. *Eur J Appl Physiol* 117: 1017-1024
69. Sweeting AJ, **Billaut F**, Varley MC, Rodriguez RF, Hopkins WG, Aughey RJ (2017). Variations in hypoxia impair muscle oxygenation and performance during simulated team-sport running. *Front Physiol* 8:80
70. Hibbert AW, **Billaut F**, Varley MC, Polman RCJ (2017). No Influence of transcutaneous electrical nerve stimulation on exercise-induced pain and 5-km cycling time-trial performance. *Front Physiol* 8:26
71. Paradis-Deschênes P, Joannis DR, **Billaut F** (2017). Sex-specific impact of ischemic preconditioning on tissue oxygenation and maximal concentric force. *Front Physiol* 7:674
72. Inness M, **Billaut F**, Aughey R (2017). Live high-train low improves repeated time-trial and Yo-Yo IR2 performance in sub-elite team-sport athletes. *J Sci Med Sports* 20: 190-195
73. Inness M, **Billaut F**, Walker EJ, Petersen AC, Sweeting A, Varley M, Aughey R (2016). Heavy resistance training in hypoxia enhances 1RM squat performance. *Front Physiol* 7:502
74. Paradis-Deschênes P, Joannis DR, **Billaut F** (2016). Ischemic preconditioning increases muscle perfusion, oxygen uptake and force in strength-trained athletes. *Appl Physiol Nutr Metab* 41: 938-944
75. Inness M, **Billaut F**, Aughey R (2016). Team-sport athletes' improvement of performance on the Yo-Yo intermittent recevoery test level 2, but not of time-trial performance, with intermittent hypoxic training. *Int J Sports Physiol Perform* 11: 15-21
76. Altarawneh MM, Petersen AC, Smith R, Rouffet DM, **Billaut F**, Perry BD, Wyckelsma V, Tobin A, McKenna MJ (2016). Salbutamol effects on systemic potassium dynamics during and following intense continuous and intermittent exercise. *Eur J Appl Physiol* 116: 2389-2399

77. Tofari P, Opar D, Kemp J, **Billaut F**, Cormack S (2016). Reliability of measures of quadriceps muscle function using magnetic stimulation. *Muscle Nerve* 53: 770-778
78. [Eaton TR](#), [Potter A](#), **Billaut F**, Panchuck D, Pyne D, Gore CJ, Chen TT, McQuade L, Stepto NK (2016). Improving physical performance in extreme environments: role for protein and caffeine. *Int J Sport Nutr Exer Metab* 26: 33-45
79. Santos-Concerejo J, **Billaut F**, Grobler L, Olivan J, Noakes TD, Tucker R (2015). Maintained cerebral oxygenation during self-paced strenuous exercise in elite Kenyan runners. *J Appl Physiol* 118: 156-162
80. [O'Bryan S](#), Brown N, **Billaut F**, Rouffet DM (2014). Changes in muscle coordination and power output during sprint cycling. *Neurosci Lett* 576: 11-16
81. [Christian RJ](#), Bishop DJ, **Billaut F**, Girard O (2014). Peripheral fatigue is not critically regulated during maximal, intermittent, dynamic leg extensions. *J Appl Physiol* 117: 1063-1073
82. [Christian RJ](#), Bishop DJ, **Billaut F**, Girard O (2014). The role of sense of effort on self-selected cycling power output. *Frontiers Physiol* 5: 1-10
83. [Atanasovska T](#), Petersen AC, Rouffet DR, **Billaut F**, Ng I, McKenna MJ (2014). Plasma K⁺ dynamics and implications during and following intense rowing exercise. *J Appl Physiol* 117: 60-68
84. Basset FA, **Billaut F**, Joannis DR (2014). Anthropometric characteristics account for time to exhaustion in cycling. *Int J Sports Med* 35: 1084-1089
85. Garvican LA, [Hammond K](#), Varley MC, Gore CJ, **Billaut F**, Aughey RJ (2014). Lower running performance and exacerbated fatigue in soccer played at 1600 m. *Int J Sport Physiol Perform* 9: 397-404
86. Minett GM, Duffield R, **Billaut F**, Cannon J, Portus MR, Marino FE (2014). Cold-water immersion decreases cerebral oxygenation but improves recovery after intermittent-sprint exercise in the heat. *Scand J Sci Med Sports* 24: 656-666
87. **Billaut F**, [Kerris JP](#), [Rodriguez RE](#), Martin DT, Gore CJ, Bishop DS (2013). Interaction of central and peripheral factors during repeated sprints at different levels of arterial O₂ saturation. *PLoS ONE* 8(10): e77297
88. Girard O, Amann M, Aughey RJ, **Billaut F**, Bishop DJ, Bourdon P, Buchheit M, Chapman R, D'Hooghe M, Garvican-Lewis LG, Gore CJ, Millet GP, Roach GD, Sargent C, Saunders PU, Schmidt W, Schumacher YO (2013). INTERNATIONAL POSITION STATEMENT – Altitude training for improving team-sport players performance: current knowledge and unresolved issues. *Brit J Sports Med* 47: i8-i16
89. **Billaut F**, Aughey RJ (2013). Update in the understanding of altitude-induced limitations to performance in team-sport athletes. *Brit J Sports Med* 47: i22-i25
90. Aughey RJ, Buchheit M, Garvican-Lewis LA, Roach GD, Sargent C, **Billaut F**, Varley MC, Bourdon PC, Gore CJ (2013). Yin and yang, or peas in a pod? Individual versus team-sport athletes and altitude training. *Brit J Sports Med* 47: 1150-1154
91. [Trewin A](#), Petersen AC, **Billaut F**, McQuade L, McNerney BV, Stepto NK (2013). N-acetylcysteine alters substrate metabolism during high-intensity cycle exercise in well-trained humans. *Appl Physiol Nutr Metab* 38: 1217-1227
92. Manimmanakorn A, Manimmanakorn N, Taylor R, Draper N, **Billaut F**, Shearman JP, Hamlin MJ (2013). Effects of resistance training combined with vascular occlusion or hypoxia on neuromuscular function in athletes. *Eur J Appl Physiol* 113: 1767-1774
93. Louis J, **Billaut F**, Hausswirth C, Vettoretti F, Bernard T, Brisswalter J (2013). Physiological demands of a simulated BMX competition. *Int J Sports Med* 34: 491-496
94. **Billaut F** & Buchheit M (2013). Repeated-sprint performance and vastus lateralis oxygenation: effect of limited O₂ availability. *Scand J Sci Med Sports* 23: 185-193
95. Schneider S, Rouffet DM, **Billaut F**, Strüder HK (2013). Cortical current density oscillations in the motor cortex are correlated with muscular activity during pedaling exercise. *Neurosci Lett* 228: 309-314
96. **Billaut F**, Gore CJ, Aughey RJ (2012). Enhancing team-sport athlete performance: is altitude training relevant? *Sports Med* 42: 751-767
97. **Billaut F** & Bishop D (2012). Mechanical work accounts for sex differences in fatigue during repeated sprints. *Eur J Appl Physiol* 112: 1429-1436
98. [Smith KJ](#) & **Billaut F** (2012). Tissue oxygenation in men and women during repeated-sprint exercise. *Int J Sport Physiol Perform* 7: 59-67
99. **Billaut F**, Bishop D, [Schaerz S](#), Noakes TD (2011). Influence of knowledge of sprint number on EMG activity and pacing during repeated-sprint exercise. *Med Sci Sport Ex* 43: 665-672
100. [Smith KJ](#) & **Billaut F** (2010). Influence of cerebral and muscle oxygenation on repeated-sprint ability. *Eur J Appl Physiol* 109: 989-999
101. **Billaut F** & [Smith KJ](#) (2010). Prolonged repeated-sprint ability is related to arterial O₂ desaturation in man. *Int J Sport Physiol Perform* 5: 197-209

102. **Billaut F**, Davis JM, Smith KJ, Marino FE, Noakes TD (2010). Cerebral oxygenation decreases but does not impair performance during self-paced, strenuous exercise. *Acta Physiol* 198: 477-486
103. Fortier S, Basset FA, **Billaut F**, Behm D, Teasdale N (2010). Which type of repetitive muscle contractions induces a greater acute impairment of position sense? *J Electromyogr Kinesiol* 20: 298-304
104. **Billaut F** & Smith K (2009). Sex alters impact of repeated bouts of sprint exercise on neuromuscular activity in trained athletes. *Appl Physiol Nutr Metab* 34: 689-699
105. **Billaut F** & Bishop D (2009). Muscle fatigue in males and females during multiple-sprint exercise. *Sport Med* 39: 257-278
106. **Billaut F** & Basset FA (2007). Effect of different recovery patterns on repeated-sprint ability and neuromuscular responses. *J Sports Sci* 25: 905-913
107. Giacomoni M, **Billaut F**, Falgairette G (2006). Effects of the time of day on repeated all-out cycle performance and short-term recovery patterns. *Int J Sports Med* 27: 468-474
108. Basset FA, Joanisse DR, Boivin F, St-Onge J, **Billaut F**, Doré J, Chouinard R, Falgairette G, Richard D, Boulay MR (2006). Effects of short-term normobaric hypoxia on anaerobic and aerobic performance in highly trained athletes. *Exp Physiol* 91: 391-402
109. **Billaut F**, Basset FA, Giacomoni M, Lemaître F, Tricot V, Falgairette G (2006). Effect of high-intensity intermittent cycling sprints on neuromuscular activity. *Int J Sports Med* 27: 25-30
110. **Billaut F**, Basset FA, Falgairette G (2005). Muscle coordination changes during intermittent cycling sprints. *Neurosci Lett* 380: 265-269
111. Falgairette G, **Billaut F**, Giacomoni M, Ramdani S, Boyadjian A (2004). Effect of inertia on performance and fatigue pattern during repeated cycle sprints in males and females. *Int J Sports Med* 25: 235-240
112. **Billaut F**, Giacomoni M, Falgairette G (2003). Maximal intermittent cycling exercise: effects of recovery duration and gender. *J Appl Physiol* 95: 1632-1637
113. Falgairette G, **Billaut F**, Ramdani S (2003). Durée de la récupération et puissance maximale anaérobie au cours de la journée. *Can J Appl Physiol* 28: 213-224

ARTICLES IN REFEREED CONFERENCE PROCEEDINGS

1. Paradis-Deschênes P, Joanisse DR, **Billaut F** (2015). Ischemic preconditioning increases muscle perfusion and maximal strength. *Proceedings of the Keystone Symposia*, Dublin, Ireland
2. Flyger N, Froncioni A, Martin DT, **Billaut F**, Aughey RJ, Martin JC (2013). Modelling track cycling standing start performance: combining energy supply and energy demand. In: Shiang TY, Ho WH, Huang PC, Tsai CL (eds.) *Proceedings of the 31st International Society of Biomechanics in Sports*, B7-4 ID191
3. Basset FA, Joanisse DR, Boivin F, St-Onge J, **Billaut F**, Doré J, Chouinard R, Falgairette G, Richard D, Boulay MR (2005). Effects of Short-Term Normobaric Hypoxia on haematological parameters, muscle phenotype and on physical performance in highly trained athletes. *Proceedings of the XIXth International Hypoxia Symposium*, Lake Louise, Canada. pp: 475
4. **Billaut F**, Basset FA, Giacomoni M, Falgairette G (2004). Effect of fatigue on muscle coordination in repeated all-out bouts. *Proceedings of the XXIIth International Symposium on Biomechanics in Sports*, Ottawa, Canada. pp: 421-424

REFEREED TECHNICAL REPORTS

1. Trottier C, Toupin J, Drapeau V, Pepin M-A, Frenette E, Goulet C, Falcão WR, **Billaut F**, Pelet S, Trudel P, Veillette R, Lavoie S (2021). Évaluation des enjeux et besoins des élèves-athlètes faisant partie d'un programme Sport-études au secondaire. *Rapport Ministère de l'Éducation du Québec*, Québec, Canada.
2. Cyr-Kirk J, **Billaut F** (2021). Hyperoxia improves repeated-sprint ability and the associated training load in trained athletes. *International Science And Football Association Newsletter magazine edition 5*, pp: 19-21
3. Bouffard S, **Billaut F** (2021). Sprint training combined with ischemic preconditioning enhances anaerobic capacity. *International Science And Football Association Newsletter magazine edition 5*, pp: 16-18
4. Lapointe J, **Billaut F** (2020). Impact of apnea during repeated-sprint training on performance and physiological adaptations. *International Science And Football Association Newsletter magazine edition 4*, pp: 21-22
5. Paquette M, **Billaut F** (2019). Considering how to HIIT your physiological target: lessons from sprint kayak. *HIIT Science blog*,
6. **Billaut F**, Fortin J-F (2019). Does blood-flow occlusion help footballers? *International Science And Football Association Newsletter magazine edition 3*, pp: 21-23

BOOKS and E-BOOKS

1. Minahan C, **Billaut F**, Janse de Jonge XAK, Jones B, eds. (2022). Women's Football: Prediction, Prevention and Performance. ISBN 978-2-83250-340-9, Frontiers Media SA, Lausanne, Switzerland, 396 pp.
2. Lemaître F, **Billaut F**, Joulia F, eds. (2022). Physiology and physiopathology of breath-holding activity. ISBN 978-2-88974-666-8, Frontiers Media SA, Lausanne, Switzerland, 700 pp.
3. **Billaut F**, ed. (2012). Exercice intermittent de haute intensité et de très courte durée. ISBN 978-3-8417-9605-9. Editions Universitaires Européennes, Sarrebruck, Allemagne, 241 pp.

BOOK CHAPTERS

1. **Billaut F**, Mota G (2024). Ischemic preconditioning: A practical tool for enchainning exercise performance. In : Girard O, Burtcher J, Burtcher M, Millet G (eds.) *Hypoxia conditioning in health, exercise and sport*, (ISBN 9781032515724). Routledge. New York. pp : 22-28
2. **Paradis-Deschênes P**, **Billaut F** (2026). Préconditionnement ischémique : améliorer les performances et développer les qualités physiques. In : Dupuy O and Berryman N (eds.) *Préparation physique à la performance sportive : théories et applications pour l'athlète de haut niveau*, (ISBN XXX). Presses de l'Université du Québec (PUQ), Québec, Canada. pp :
3. **Paquette M**, Thibault G, **Billaut F** (2026). Méthodes d'entraînement des principaux déterminants physiologiques de la performance dans les épreuves allant du sprint à l'ultra-endurance. In : Dupuy O and Berryman N (eds.) *Préparation physique à la performance sportive : théories et applications pour l'athlète de haut niveau*, (ISBN XXX). Presses de l'Université du Québec (PUQ), Québec, Canada. pp :
4. **Rodriguez RF**, Aughey RJ, **Billaut F** (2020). The respiratory system during intermittent-sprint work: respiratory muscle work and the critical distribution of oxygen. In: Nemsadze K (ed.) *Respiratory physiology* (ISBN 978-1-83962-326-4). InTech Open Assess Publisher, Rijeka, Croatia. pp: 1-18
5. **Billaut F** (2011). Electromyography assessment of muscle recruitment strategies during high-intensity exercise. In: Mizrahi J (ed.) *Advances in Applied Electromyography* (ISBN 978-953-307-382-8). InTech Open Assess Publisher, Rijeka, Croatia. pp: 25-40

OTHER EDITORIAL FUNCTIONS

1. **Examiner** for *Sports Travel Award 2024* (peer-reviewed journal Sports) (doctoral n=17, post-doctoral level n=10).
2. **Examiner** for *Sports 2024 Best Paper Award* for Articles and Reviews (n=23 applications)
3. **Examiner** for *Sports 2022 Best Paper Award* for Articles and Reviews (n=12 applications)
4. 2024: **Research Topic Editor** for Frontiers in Physiology (specialty section: Exercise physiology): *Muscle oxygenation and vascular adaptations in sport performance and rehabilitation*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [5 articles in the collection, 25 authors, 17k views]
5. 2023: **Research Topic Editor** for Frontiers in Sports & Active Living (specialty section: Elite sports & performance enhancement): *Sex differences in sport performance*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [6 articles in the collection, 20 authors, 29k views]
6. 2022: **Research Topic Editor** for Frontiers in Sports & Active Living (specialty section: Elite sports & performance enhancement): *Technology in high-performance sport: use and abuse*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [6 articles in the collection, 10 authors, 12k views]
7. 2022: **Research Topic Editor** for Frontiers in Sports & Active Living (specialty section: Elite sports & performance enhancement): *Managing physiological and biomechanical load-adaptation pathways in high-performance sport: challenges and opportunities*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [6 articles in the collection, 21 authors, 12k views]
8. 2022: **Research Topic Editor** for Frontiers in Physiology (specialty sections: Environmental, aviation and space physiology; Aquatic physiology) and Frontiers in Marine Science (specialty section: Aquatic physiology): *Physiology and physiopathology of breath-holding activity*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [18 articles in the collection, 102 authors, 73k views]

9. 2022: **Research Topic Editor** for *Frontiers in Sports & Active Living* (specialty section: Elite sports & performance enhancement): *Women's Football: Prediction, Prevention and Performance*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [11 articles in the collection, 53 authors, 92k views]
10. 2020: **Research Topic Editor** for *Frontiers in Physiology* (specialty section: exercise physiology): *Training: the forgotten component of training studies*. Roles: scientific responsibility (manuscript evaluation, expert reviewers selection), promotional activities, editorial redaction [6 articles in the collection, 37 authors, 114k views]
11. **Evaluation Committee member** for the *Sports Travel Award 2020* (peer-reviewed journal *Sports*): *Sports* is an emerging, internationally-recognised, sport science journal based in Switzerland. I served on the evaluation committee to define the detailed selection criteria, drew the final call for award, review all applications and determine the winners (doctoral n=9, post-doctoral level n=4).

NON-REFEREED CONTRIBUTIONS

1. Lanigan B, Tinley Z, Binnie MJ, Peeling P, Scott BR, Peiffer JJ, Galna B, Dennis MC, **Billaut F**, Goods P, (2024). VO₂peak provides a better predictor of rowing ergometer mean maximal power than maximal oxygen extraction in trained rowers. *J Clin Ex Physiol* 13 (S2): 343
2. Hassar A, Sautillet B, Jidovtseff B, Rhoufai M, **Billaut F**, Moufti H, Ahmaidi S, Bouffard J (2024). From 1 RM to power: how force-velocity profiling elevates hammer throw performance. *SSRN Elsevier* <http://dx.doi.org/10.2139/ssrn.4980771>
3. Bourgeois H, Paradis-Deschênes P, **Billaut F** (2024). High-intensity interval training with blood-flow restriction enhances anaerobic performance and maximal aerobic power in endurance athletes. *SportRxiv*, SRXIV/2024/371
4. **Billaut F**, Rousseau Demers M, Hibbert A (2023). Performance kinetics during repeated sprints is influenced by knowledge of task endpoint and associated peripheral fatigue. *SportRxiv*, SRXIV/2023/299
5. Chambion-Diaz M, **Billaut F** (2023). Rapport sur l'utilisation du tapis de course AlterG dans l'optimisation de la charge d'entraînement et la prévention des blessures sportives. *Rapport projet Synergique Ministère de l'éducation du Québec*, Québec, Canada
6. **Billaut F** (September 2022). Mid report on research activity: Characterization and optimisation of muscle oxygen extraction and performance in elite judo athletes. *Institut national du sport du Québec (fond PRIDI)*
7. **Billaut F** (September 2022). Final report on research activity: Impact of occlusion training on endurance performance. *Institut national du sport du Québec (fond PRIDI)*
8. Cyr-Kirk J, **Billaut F** (2021). Hyperoxia improves repeated-sprint ability and the associated training load in trained athletes. *BioRxiv*, BIORXIV/2021/469617
9. Rodriguez RF, Aughey RJ, **Billaut F**, Townsend NE (2021). Inspiratory muscle training for enhancing repeated-sprint ability. *BioRxiv*, doi: <https://doi.org/10.1101/2021.01.22.42775>
10. **Billaut F** (August 2021). Mid report on research activity: Impact of occlusion training on endurance performance. *Institut national du sport du Québec (fond PRIDI)*
11. Labrecque L, Drapeau A, Rahimaly K, Imhoff S, **Billaut F**, Brassard P (2020). Multi-metrics assessment of dynamic cerebral autoregulation in middle and posterior cerebral arteries in young fit women. *BioRxiv* 114447, doi: <https://doi.org/10.1101/2020.05.25.114447>
12. Rodriguez RF, Townsend NE, Aughey RJ, **Billaut F** (2019). Muscle oxygenation maintained during repeated-sprint exercise despite inspiratory muscle loading. *BioRxiv* 599936, doi: <https://doi.org/10.1101/599936>
13. **Billaut F** (March 2018). Enhancing sprint performance through hypoxic training. Mid-project technical report, *Innovation for Gold, Own The Podium*
14. **Billaut F** (March 2018). Hypoxic training to enhance speed endurance in world-class short-track speed skaters. Mid-project technical report, *Innovation for Gold, Own The Podium*
15. **Billaut F** (March 2018). A fresher skater skates faster: optimizing recovery with hyperbaric oxygen therapy. Final report, *Innovation for Gold, Own The Podium*
16. **Billaut F** (March 2018). Road to Tokyo 2020: optimising heart acclimation protocols for hand cyclists. Final technical report, *Innovation for Gold, Own The Podium*
17. **Billaut F** (November 2018). Hyperbaric oxygen therapy for speed skaters. *Project report Speed Skating Canada*
18. **Billaut F** (May 2017). Physiology support for sprint kayak athletes in 2017. *Annual debrief Canoe Kayak Canada*
19. **Billaut F** (March 2017). Facteurs de performance – physiologie : « NASCAR on ice ». *Annual debrief Speed Skating Canada*

20. **Billaut F** (April 2016). Innovation en sciences du sport : vision et exemples d'application. *Annual debrief Speed Skating Canada*
21. **Billaut F** (April 2016). Innover dans notre façon de faire. *Annual debrief Speed Skating Canada*
22. **Billaut F** (August 2015). Heat training to enhance performance in an elite cross-country skier. *Project report Cross Country Ski Canada*
23. **Billaut F** (2008). Sex differences in motor control during multiple-sprint exercise. *Pulse Magazine – Summer Edition* (journal of the *Sport Medicine Council of Alberta*) 21: 6-7
24. **Billaut F** (2008). Sex differences in motor control during multiple-sprint exercise. Final report to the *Sport Science Association of Alberta of the Alberta Sport Recreation Parks & Wildlife Foundation*

KEYNOTE SPEAKER PRESENTATIONS (international conferences in red font)

1. Se priver d'oxygène pour aller mieux ! Invited speaker *Annual Congress of Fédération des Kinésithérapeutes, Kinésithérapeutes, Orthothérapeutes, Massothérapeutes du Québec*, Lévis, Québec, Novembre 2025
2. Le conditionnement hypoxique : un outil efficace pour améliorer les marqueurs de performance et de santé. Invited speaker *Annual Congress of Fédération des Kinésithérapeutes du Québec*, Mont Ste-Anne, Québec, May 2025
3. On the use of ischemic preconditioning to enhance exercise performance at sea level and altitude. Keynote speaker *2nd Bolivian congress of molecular biology (CBBM)*, La Paz, Bolivia, August 2024
4. Shedding light on ischemic preconditioning to enhance physical fitness. Tutorial lecture speaker *American College of Sports Medicine (ACSM)*, Boston, MA, USA, May 2024
5. Shedding light on ischemic preconditioning to enhance physical fitness. Keynote speaker *International Community of Scholars in Kinesiology (ICSK) – Student Research Week*, online, USA, October 2023
6. Préconditionnement ischémique et performance sportive. Keynote speaker *Symposium scientifique Université Claude Bernard Lyon I*, Lyon, France, July 2023
7. Table ronde d'experts. L'entraînement hypoxique : nouveautés et directions futures. Invited speaker *Symposium ASTRE / HYPOXPERF*, Paris, France, June 2023
8. Intérêt du préconditionnement ischémique en entraînement sportif. Invited speaker *Symposium ASTRE / HYPOXPERF*, Paris, France, June 2023
9. Ischemic preconditioning for performance acclimation to altitude. Invited speaker *6th Annual Center for Physiological Genomics of Low Oxygen (CPGLO) Summit*, San Diego, US, June 2022
10. Hypoxia and sport performance. Invited speaker *Laboratory meeting Dr Simonson*, University of California San Diego, San Diego, US, May 2022
11. Going without O₂ to enhance physiology and physical fitness. Invited speaker *Institute of Exercise Physiology and Rehabilitation Sciences annual conference*, Orlando, Florida, February 2022
12. Le préconditionnement ischémique est-il un outil efficace pour l'altitude ? Keynote speaker *Symposium international Entraînement en altitude*, Font-Romeu, France, juillet 2018
13. La restriction sanguine : un outil d'entraînement et de ré-athlétisation pertinent ? Conférencier invité *Formation CCS hypoxie de l'Institut National du Sport, de l'Expertise et de la Performance*, Font-Romeu, France, juillet 2018
14. Suivi de la fatigue et de la charge d'entraînement. Invited speaker *Annual Congress of Fédération des Kinésithérapeutes du Québec*, Lévis, Québec, May 2018
15. Table ronde d'experts. La kinésiologie au Québec. Conférencier invité *Journée Sport Santé Bien-être – Chaire Poitou-Charente*, Poitiers, France, juin 2016
16. Optimiser l'entraînement en altitude chez l'athlète. Conférencier invité *Soirée débat Sport Santé Bien-être*, Université de Poitiers et Comité Régional Olympique et Sportif Poitou-Charente, France, juin 2016
17. Entraînement avec restriction sanguine. Conférencier invité *Association des kinésithérapeutes de la région de Québec*, Quebec, Canada, avril 2015
18. L'entraînement par intervalle pour l'athlète. Conférencier invité *Association Québécoise des Sciences de l'Activité Physique*, Quebec, Canada, février 2015
19. Capacity to sprint: effect of arterial hypoxemia. Keynote speaker *Altitude Training and Team-sports Conference*, Doha, Qatar, mars 2013
20. Anticipatory regulation of exercise intensity: the case of maximal, intermittent activity. Invited Speaker *Laboratory seminar series*, Cape Town, South Africa, février 2013
21. Régulation neuromusculaire : applications pratiques. Invited speaker *Sport Physiotherapy Québec*, Montreal, Canada, juillet 2012
22. Suivi de la performance: principes de base, applications pratiques. Invited speaker *Sport Leadership Conference*, Montreal, Canada, octobre 2012

23. Expanding the tool box to understand cerebral activity during exercise. Keynote Speaker Exercise and Sport Science Australia Conference, Gold Coast, Australia, mars 2012
24. Putting research into practice: enhancing repeated-sprint performance. Invited Speaker Conference of the Canadian Society for Exercise Physiology, Quebec, Canada, 2011
25. Altitude training for team sports. Keynote Speaker Sports Dietitians Australia, Melbourne, Australia, 2011
26. Muscle recruitment strategies during high-intensity exercise. Keynote Speaker The Future of Fatigue – Defining the Problem Symposium, Bathurst, Australia, 2011
27. Motor performance during sprint exercise: the regulation of muscle recruitment. Invited Speaker Dutch High Performance Forum, Melbourne, Australia, 2011
28. Tissue oxygenation during exercise. Invited Speaker International Symposium for Collaboration in Research, Teaching and Exchange, Melbourne, Australia, 2011
29. Intermittent normobaric hypoxia effect on aerobic performance in high level athletes. *Applied Sport Science Symposium*, London, United Kingdom, 2006

PRESENTATIONS AND ABSTRACTS IN CONFERENCES (international conferences in red font)

Over 170 abstracts at national and international conferences in exercise physiology and sport science.

1. **Billaut F**, **Guézennec J**, **Correa D**, **Bourgeois É** (2026). Seasonal changes in locomotor profiles in cross-country skiers in running and roller skiing. *Annual meeting Southeast Chapter American College of Sports Medicine*, Greenville, SC, USA
2. **Guézennec J**, **Correa D**, **Bourgeois É**, **Billaut F** (2026). Locomotor profile classification in youth female cross-country skiers. *Annual meeting Southeast Chapter American College of Sports Medicine*, Greenville, SC, USA
3. **Correa D**, **Billaut F** (2026). Relationship of heart rate variability and rifle shooting performance in elite Québec biathletes. *Annual meeting Southeast Chapter American College of Sports Medicine*, Greenville, SC, USA
4. Legault L, Lamontagne A, Addour S, Agharazii M, **Billaut F**, Carreau A-M, Fortier C (2026). Vasodilatation induite par le pédalage passif : un support au métabolisme du glucose - Résultats préliminaires. *5^e Journée de la kinésiologie*, Québec, CAN
5. **Ituri-Soliz PJ**, **Soliz J**, **Billaut F** (2026). Des cyclistes natifs de très haute altitude réussissent un entraînement HIIT à 3,600 mètres d'altitude. *5^e Journée de la kinésiologie*, Québec, CAN
6. **Bourgeois É**, **Guézennec J**, **Correa D**, **Billaut F** (2026). Modification du profil locomoteur de course chez de jeunes skieuses de fond au cours de la saison. *5^e Journée de la kinésiologie*, Québec, CAN
7. **Guézennec J**, **Correa D**, **Bourgeois É**, **Billaut F** (2026). Classification du profil locomoteur des skieuses de fond en course à pied et en ski à roulettes. *5^e Journée de la kinésiologie*, Québec, CAN
8. **Correa D**, **Billaut F** (2026). Relation entre la variabilité de fréquence cardiaque et la performance au tir à la carabine chez des biathlètes d'élite québécois. *5^e Journée de la kinésiologie*, Québec, CAN
9. **Soleimani Dehnavi S**, Roy M-A, Taghizadeh M, **Billaut F**, Brassard P (2026). Impact of acute mild and severe normobaric poikilocapnic hypoxia on dynamic cerebral autoregulation and its directional sensitivity in young healthy volunteers. *5^e Journée de la kinésiologie*, Québec, CAN
10. Legault L, Lamontagne A, Addour S, Agharazii M, **Billaut F**, Carreau A-M, Fortier C (2026). Effets vasculaires et métaboliques du pédalage passif chez des sujets sains et résistants à l'insuline. *MétaboliQC*, Saint-Hyacinthe, CAN
11. **Guézennec J**, **Billaut F** (2025). Evaluating the safety of low lung volume hypoventilation training in artistic swimming: a 3-week study. *Congrès international sur la recherche en sport sécuritaire*, Montréal, CAN
12. **Soliz J**, **Ituri-Soliz PJ**, **Billaut F** (2025). Aerobic capacity, haematological and blood chemistry assessment in master athletes at high altitude. *Journées scientifiques de la recherche IUCPQ*, Québec, CAN
13. **Ituri-Soliz PJ**, **Soliz J**, **Billaut F** (2025). Capacité aérobie, évaluation hématologique et chimique du sang chez des athlètes en haute. *Journées de la recherche 2025 Faculté de médecine*, Québec, CAN
14. **Ituri-Soliz PJ**, **Soliz J**, **Billaut F** (2025). Aerobic capacity, haematological and blood chemistry assessment in master athletes at high altitude. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
15. **Normandin L**, **Guézennec J**, Paradis-Deschênes P, **Billaut F** (2025). Les effets du préconditionnement ischémique sur les adaptations à un camp en altitude chez des skieurs de fond entraînés. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
16. **Guézennec J**, **Billaut F** (2025). Effets de l'entraînement en hypoventilation et des muscles inspiratoires sur les performances de nageuses artistiques. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN

17. Guézennec J, **Billaut F** (2025). Comparaison de deux spectromètres infrarouges portables pour évaluer l'oxygénation musculaire à l'exercice. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
18. Chambion-Diaz M, Tasciogullarindan T, **Billaut F**, Pialoux V (2025). Combination of weight reduction and hypoxia on biochemical responses to a high-intensity exercise in athletes. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
19. Chambion-Diaz M, Chertin J, Pialoux V, **Billaut F** (2025). Combination of weight reduction and hypoxia on physiological and perceptual responses to a high-intensity exercise in athletes. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
20. Correa D, **Billaut F** (2025). Variabilité cardiaque selon la performance de tir à la carabine d'un biathlète élite québécois. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
21. Paradis-Deschênes P, **Billaut F** (2025). Spectroscopie proche-infrarouge : comment l'exercice influence la calibration et la réponse microvasculaire. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, CAN
22. Ituri-Soliz PJ, Soliz J, **Billaut F** (2025). Genetic variants associated with high-altitude human performance in endurance sports. *Symposium Société Legallois pour l'étude du contrôle respiratoire*, Quebec, CAN
23. **Trottier, C., Pépin, M-A., Drapeau, V., Goulet, C., Billaut, F., Veillette, R., & Trudel, P. (2025). Winner For Life: An innovative programme to promote life skills development and transfer. *European College of Sport Science 30th Annual Congress*, 1058**
24. Correa D, **Billaut F** (2025). Utilisation de la fréquence cardiaque dans le suivi de la charge d'entraînement en paracyclisme. *4^e Journée de la kinésiologie*, Quebec, CAN
25. Guézennec J, **Billaut F** (2025). Influence de l'entraînement en hypoventilation et de l'entraînement des muscles inspiratoires sur les performances en nage artistique. *4^e Journée de la kinésiologie*, Quebec, CAN
26. Chambion-Diaz M, Chertin J, Pialoux V, **Billaut F** (2025). Effets combinés de l'allègement du poids corporel et de l'hypoxie sur les réponses physiologiques et perceptives à un exercice de haute intensité chez des athlètes. *4^e Journée de la kinésiologie*, Quebec, CAN
27. Soleimi S, Smirl J, Labrecque L, Roy M-A, **Billaut F**, Brassard P (2025). Directional sensitivity of dynamic cerebral autoregulation in healthy lowlanders at high altitude and in high altitude natives. *4^e Journée de la kinésiologie*, Quebec, CAN
28. Renaud J, Berryman N, Gill N, **Billaut F** (2024). Benefits of repeated sprints in hypoxia compared to normoxia in elite Canadian judo athletes. *Proceedings Canadian Society for Exercise Physiology*, 46:S48, Montreal, Canada
29. **Billaut F**, Normandin L, Paradis-Deschênes P (2024). Ischemic preconditioning enhances adaptations to an altitude training camp in cross-country skiers. *Proceedings Canadian Society for Exercise Physiology*, 46:S48, Montreal, Canada
30. **Billaut F**, Chambion-Diaz M, Chertin J, Pialoux V, (2024). Combination of weight reduction and hypoxia on physiological and perceptual responses to a high-intensity interval exercise. *Proceedings Canadian Society for Exercise Physiology*, 46:S48, Montreal, Canada
31. **Trottier, C., Drapeau, V., Duval-Brassard, P., Pépin, M-A., Goulet, C., Frenette, E., Billaut, F., Pelet, S., Trudel, P., Veillette, R., Falcão, W. R., & Lavoie, S. (2024). Winner For Life 2.0: An Innovative Programme for School Sport Stakeholders and Parents to Promote Life Skills Development and Transfer. *FEPSAC 17th Congress*, 749.**
32. **Trottier, C., Sabourin C., Toupin, J., Drapeau, V., Pépin, M-A., Goulet, C., Frenette, E., Falcão, W. R., Billaut, F., Pelet, S., Trudel, P., Veillette, R., & Lavoie, S. (2024). I Wish I Knew More! Training Needs for High School Sport Stakeholders Who Teach Life Skills Development and Transfer. *FEPSAC 17th Congress*, 493.**
33. **Trottier, C., Sabourin C., Toupin, J., Drapeau, V., Pépin, M-A., Frenette, E., Goulet, C., Falcão, W. R., Billaut, F., Pelet, S., Trudel, P., Veillette, R., & Lavoie, S. (2024). What do high school sport stakeholders need in terms of life skills training programs to teach student-athletes life skills development and transfer? *European College of Sport Science 29th Annual Congress*, 790**
34. Soleimi S, Smirl J, Labrecque L, Roy M-A, **Billaut F**, Brassard P (2024). Directional sensitivity of dynamic cerebral autoregulation in healthy lowlanders at high altitude and in high altitude natives. *13th CARNet*, Quebec, CAN
35. Chambion-Diaz M, Pialoux V, **Billaut F** (2024). Combination of weight reduction and hypoxia on psychophysiological responses to a high-intensity exercise in athletes: preliminary data. *European College of Sports Science*, Glasgow, Scotland
36. **Billaut F**, Normandin L, Paradis-Deschênes P (2024). Effects of ischemic preconditioning on adaptations to an altitude training camp in well-trained cross-country skiers. *American College of Sports Medicine*, Boston, MA, USA

37. Soleimi S, Smirl J, Labrecque L, Roy M-A, **Billaut F**, Brassard P (2024). Directional sensitivity of dynamic cerebral autoregulation in healthy lowlanders at high altitude and in high altitude natives. *American College of Sports Medicine*, Boston, MA, USA
38. Soleimi S, Smirl J, Labrecque L, Roy M-A, **Billaut F**, Brassard P (2024). Directional sensitivity of dynamic cerebral autoregulation in healthy lowlanders at high altitude and in high altitude natives. *Journées scientifiques de l'IUCPQ*, Quebec, CAN
39. Renaud J, **Billaut F** (2024). Entraînement en hypoxie chez l'athlète de puissance. *Conférence Rencontre préparateurs physiques Excellence Sportive Québec-Lévis*, Québec, Canada
40. Lanigan B, Tinely Z, Binnie MJ, Peeling P, Scott BR, Peiffer JJ, Galna B, Dennis MC, **Billaut F**, Goods P, (2024). VO₂peak provides a better predictor of ergometer mean maximal power than maximal oxygen extraction in trained rowers. *Exercise and Sports Science Australia*, Sydney, AUS
41. Ochoa T, Yu JJ, Moya EA, Kaya K, Cheng H, Fassardi S, **Billaut F**, Simonson TS (2024). Oral bacteriotherapy is associated with decreased blood lactate concentration during exercise at high altitude. *American Physiology Summit*, Long beach, CA, USA, 39:S1-2584
42. Yu JJ, Ochoa T, Moya EA, Kaya K, Cheng H, **Billaut F**, Simonson TS (2024). Ingestion of SLAB51 probiotics improves oxygen saturation during acclimatisation to high altitude at Barcroft station. *White Mountain Research Centre seminar series*, Bishop, CA, USA
43. Renaud J, Berryman N, **Billaut F** (2024). Comparaison et optimisation de l'oxygénation musculaire et de la performance chez des judokas élités. *Conférence STEP Le génie médical et scientifique derrière les performances*, Montréal, Canada
44. Renaud J, Berryman N, **Billaut F** (2024). Comparaison de l'oxygénation musculaire lors d'efforts intermittents de haute intensité chez des judokas élités. *3^e Journée de la kinésiologie*, Québec, Canada
45. Normandin L, Paradis-Deschênes P, **Billaut F** (2024). Les effets du préconditionnement ischémique sur les adaptations à un camp en altitude chez des skieurs de fond entraînés. *3^{ème} Journée de la kinésiologie*, Québec, Canada
46. **Billaut F**, Deguire S, Bieuzen F (2023). Speed and power improvements derived from hypoxic repeated-sprint training in world-class short-track speed skaters are influenced by the anaerobic speed reserve. *European College of Sports Science*, Paris, France
47. **Billaut F**, Deguire S, Bieuzen F (2023). The anaerobic speed reserve influences speed and power improvements from repeated-sprint training in hypoxia (RSH) in world-class short-track speed skaters. *American College of Sport Medicine*, Denver, CO, USA
48. Soleimi S, Smirl J, Roy M-A, **Billaut F**, Brassard P (2023). The directional sensitivity of dynamic cerebral autoregulation at sea level and high-altitude in healthy lowlanders. *Journées scientifiques de l'IUCPQ*, Quebec, CAN
49. Renaud J, Naulleau C, Gill N, Berryman N, **Billaut F** (2023). Caractérisation de l'oxygénation musculaire lors d'un test de sprints répétés et d'efforts de Kumi-kata chez des judokas élités. *Association Québécoise des Sciences de l'Activité Physique*, Montréal, Canada
50. Renaud J, Naulleau C, Gill N, Berryman N, **Billaut F** (2023). Caractérisation de l'oxygénation musculaire lors d'un test de sprints répétés et d'efforts de Kumi-kata chez des judokas élités. *2^{ème} Journée de la kinésiologie*, Québec, Canada
51. Chambion-Diaz M, Lapointe F-A, **Billaut F** (2023). Utilisation du tapis de cours AlterG dans un contexte de réhabilitation pour maintenir le stimulus d'entraînement chez un coureur à pied entraîné : un rapport de cas. *2^{ème} Journée de la kinésiologie*, Québec, Canada
52. Deguire S, **Billaut F**, Bieuzen F (2022). Time decay in the performance benefits from RSH in elite short-track speed skaters. *SPIN Summit conference*, Calgary, CAN
53. Bourgeois H, Paradis-Deschênes P, **Billaut F** (2022). High-intensity interval training with blood-flow restriction predominantly alters anaerobic capacity in endurance-trained athletes. *6th annual Center for Physiological Genomics of Low Oxygen (CPGLO) Summit*, San Diego, USA
54. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2022). Ischemic preconditioning enhances aerobic adaptations to sprint-interval training without altering angiogenic and immune functions. *6th annual Center for Physiological Genomics of Low Oxygen (CPGLO) Summit*, San Diego, USA
55. **Billaut F**, Bourgeois H, Paradis-Deschênes P (2022). High-intensity interval training with blood-flow restriction enhances anaerobic capacity in endurance-trained athletes. *American College of Sport Medicine*, San Diego, USA
56. **Billaut F**, Bourgeois H, Paradis-Deschênes P (2022). High-intensity interval training combined with blood-flow restriction predominantly enhances anaerobic capacity in endurance-trained athletes. *Experimental Biology*, Philadelphia, USA, 36:S1

57. Bourgeois H, Paradis-Deschênes P, **Billaut F** (2021). Impact of high-intensity interval training with blood-flow restriction on aerobic and anaerobic performances in endurance-trained athletes: preliminary results. *Proceedings Canadian Society for Exercise Physiology*, 46:S48, online edition
58. Chamoun N, Drapeau A, Imhoff S, Labrecque L, **Billaut F**, Brassard P (2020). Impact du sexe sur la vitesse du sang dans l'artère cérébrale moyenne lors d'un exercice progressif chez des athlètes entraînés en endurance. *Société Québécoise d'Hypertension Artérielle*, Québec, CAN
59. Bourgeois H, Paradis-Deschênes P, **Billaut F** (2021). Impact de l'entraînement par intervalles avec restriction sanguine sur les déterminants de la performance en endurance chez un triathlète. *30th Journée Scientifique de la Recherche Universitaire*, Québec, Canada
60. Paquette M, Bieuzen F, **Billaut F** (2021). Effets de deux types d'entraînement par intervalles sur l'oxygénation musculaire et la performance chez des kayakistes entraînés. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, Canada
61. Paquette M, Bieuzen F, **Billaut F** (2020). Performance and physiological changes following two types of interval training in trained kayakers. *SPIN Summit conference*, online edition – YOUNG INVESTIGATOR AWARD WINNER
62. Paradis-Deschênes P, Lapointe J, Joannis DR, **Billaut F** (2020). Ischemic preconditioning, active recovery and neuromuscular stimulation have similar effects on performance during repeated 5-km time trials in endurance athletes. *SPIN Summit conference*, online edition
63. Paquette M, Bieuzen F, **Billaut F** (2020). Performance and physiological changes following two types of interval training in trained kayakers. *European College of Sports Science*, S99, online edition
64. Paradis-Deschênes P, Lapointe J, Joannis DR, **Billaut F** (2020). Ischemic preconditioning, active recovery and neuromuscular stimulation have similar effects on performance during repeated 5-km time trials in endurance athletes. *Proceedings Canadian Society for Exercise Physiology*, 45:S314, online edition
65. Paradis-Deschênes P, Lapointe J, Joannis DR, **Billaut F** (2020). Le préconditionnement ischémique permet une récupération similaire à l'électrostimulation et la récupération active. *29th Journée Scientifique de la Recherche Universitaire*, Québec, Canada
66. Bouffard S, Paradis-Deschênes P, Joannis DR, **Billaut F** (2020). Le préconditionnement ischémique et l'activité musculaire en sprint. *29th Journée Scientifique de la Recherche Universitaire*, Québec, Canada
67. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2020). L'ajout du préconditionnement ischémique à l'entraînement de sprint améliore l'oxygénation musculaire et la performance d'athlètes d'endurance. *1^{ère} journée de la kinésiologie*, Québec, Canada
68. Toupin J, Trottier C, Drapeau V, Falcão WR, Goulet C, **Billaut F**, Pelet S, Trudel P, Frenette E, Veillette R, Lavoie S (2020). Viser un développement positif chez les élèves-athlètes en contexte de Sport-études : évaluation des enjeux et des besoins. *Journée de la recherche en éducation 9^e édition*, Université Laval, Québec, Canada.
69. Galbraith E, Couillard E, **Billaut F**, Joannis DR (2020). Blue Calorad® consumption increases maximal aerobic performance in rats in the absence of changes to muscle metabolic potential or resting circulating metabolites. *1^{ère} journée de la kinésiologie*, Québec, Canada
70. Lapointe J, Paradis-Deschênes P, Woorons W, Lemaître F, **Billaut F** (2019). L'impact de l'hypoventilation volontaire sur la capacité à répéter des sprints chez les joueurs de basketball. *1^{ère} journée de la kinésiologie*, Québec, Canada
71. Labrecque L, Drapeau A, Rahimaly K, Imhoff S, **Billaut F**, Brassard P (2020). Comparable Blood Velocity Changes in Middle and Posterior Cerebral Arteries During and Following Acute High-Intensity Exercise in Young Fit Women. *Experimental Biology*, San Diego, USA
72. Lapointe J, Paradis-Deschênes P, Woorons W, Lemaître F, **Billaut F** (2019). Impact of voluntary hypoventilation training on repeated-sprint ability in basketball players. *Symposium provincial de la performance sportive*, Montréal, Canada
73. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2019). Le préconditionnement ischémique combiné à l'entraînement de sprint améliore l'oxygénation musculaire et la performance d'athlètes d'endurance. *Symposium provincial de la performance sportive*, Montréal, Canada
74. Lapointe J, Paradis-Deschênes P, Woorons W, Lemaître F, **Billaut F** (2019). Impact of voluntary hypoventilation training on repeated-sprint ability in basketball players. *Proceedings Canadian Society for Exercise Physiology*, 44:S87, Kelowna, Canada
75. Cyr-Kirk S, **Billaut F** (2019). Influence of hyperoxia on muscle oxygenation and training load during repeated-sprint training. *Proceedings Canadian Society for Exercise Physiology*, 44:S68, Kelowna, Canada
76. Paquette M, Bieuzen F, **Billaut F** (2019). Change in foot-bar forces during an incremental test in elite kayakers. *Proceedings Canadian Society for Exercise Physiology*, 44:S98, Kelowna, Canada

77. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2019). Ischemic preconditioning enhances aerobic adaptations to sprint-interval training without altering angiogenic and immune functions. *Proceedings Canadian Society for Exercise Physiology*, 44:S99, Kelowna, Canada
78. Galbraith E, Couillard E, **Billaut F**, Joannis DR (2019). Blue Calorad® consumption increases maximal aerobic performance in rats in the absence of changes to muscle metabolic potential or resting circulating metabolites. *Proceedings Canadian Society for Exercise Physiology*, 44:S74, Kelowna, Canada
79. Dong L, Paradelo D, Delorme A, Oliveira J, Croteau F, Romeas T, Dubé E, Bieuzen F, **Billaut F**, Berryman N (2019). In-water agility for elite water-polo: reliability analyses of two new tests with female Canadian National Team members. *Proceedings Canadian Society for Exercise Physiology*, 44:S69, Kelowna, Canada
80. Paradis-Deschênes P, Joannis DR, Mauriège P, **Billaut F** (2019). Le préconditionnement ischémique : une nouvelle méthode pour optimiser les adaptations à l'entraînement de sprint ? 28th Journée Scientifique de la Recherche Universitaire, Québec, Canada
81. Gillard A, Trottier C, Falcão WR, Drapeau V, Goulet C, **Billaut F**, Pelet S, Trudel P, Frenette E, Veillette R, Lavoie S (2019). Apprentissage d'habiletés de vie en contexte de Sport-études : une évaluation des besoins des élèves-athlètes. *Journée de la recherche en éducation 8^e édition*, Université Laval, Québec, Canada.
82. Gillard A, Trottier C, Falcão WR, Drapeau V, Goulet C, **Billaut F**, Pelet S, Trudel P, Frenette E, Veillette R, Lavoie S (2019). Life skills learning in Sport-études: An evaluation of students-athletes needs. 22nd Annual Eastern Canada Sport and Exercise Psychology Symposium, York University, Vaughan, Ontario, Canada.
83. Galbraith E, Couillard E, Joannis DR, **Billaut F** (2019). Greater aerobic performance with Blue Calorad® consumption is not related to changes in muscle metabolic potential. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, Canada
84. Paquette M, Bieuzen F, **Billaut F** (2019). Effets de deux types d'entraînement par intervalles en kayak de vitesse : une étude pilote. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, Canada
85. Paradis-Deschênes P, Joannis DR, **Billaut F** (2019). Combinaison du préconditionnement ischémique et de l'entraînement en sprint. *Association Québécoise des Sciences de l'Activité Physique*, Trois Rivières, Canada
86. Petersen A, Fyfe J, Inness M, Parker L, **Billaut F**, Aughey RJ (2018). Effects of hypoxia on skeletal muscle molecular adaptations to heavy resistance training. *Proceedings Australian Physiological Society*, Sydney, Australia
87. Paquette M, Bieuzen F, **Billaut F** (2018). The effect of a 3-week training block on physiological responses and performance in elite kayakers. *SPIN Summit conference*, Montreal, Canada
88. Paradis-Deschênes P, Joannis DR, **Billaut F** (2018). Sprint-interval training preceded by ischemic preconditioning improves time-trial performance in trained males: preliminary results. *Proceedings Canadian Society for Exercise Physiology*, S26, Niagara Falls, Canada
89. **Billaut F**, Richard P (2018). Combining chronic ischemic preconditioning and inspiratory muscle warm-up to enhance on-ice time-trial performance in elite speed skaters. *Proceedings Canadian Society for Exercise Physiology*, S55, Niagara Falls, Canada
90. Paquette M, Bieuzen F, **Billaut F** (2018). The effect of a 3-week training block on physiological responses and performance in elite kayakers. *Proceedings Canadian Society for Exercise Physiology*, S94, Niagara Falls, Canada
91. Paquette M, Bieuzen F, **Billaut F** (2018). Muscle oxygenation responses to high-intensity interval training in sprint canoe-kayak. *European College of Sports Science*, Dublin, Ireland
92. Polman RC, Hibbert A, **Billaut F**, Varley MC (2018). Role of competitors and motivational orientation 5-km time trial and pacing strategy. *European College of Sports Science Annual Conference*, Dublin, Ireland
93. Fyfe J, Inness M, Parker L, **Billaut F**, Aughey RJ, Petersen A (2018). Effects of hypoxia on skeletal muscle molecular adaptations to heavy resistance training. *European College of Sports Science*, Dublin, Ireland
94. Paradis-Deschênes P, Joannis DR, **Billaut F** (2018). Le préconditionnement ischémique améliore la performance aérobie à une altitude modérée. 27th Journée Scientifique de la Recherche Universitaire, Québec, Canada
95. **Billaut F**, Gueit P, Faure S, Costalat G, Lemaitre F (2017). Elite breath-hold divers display mild neurocognitive function impairments. *Proceedings Canadian Society for Exercise Physiology*, S61, Winnipeg, Canada
96. Paquette M, Bieuzen F, **Billaut F** (2017). Muscle oxygenation responses to high-intensity interval training in sprint canoe-kayak. *Proceedings Canadian Society for Exercise Physiology*, S92, Winnipeg, Canada
97. **Billaut F**, Fortin J-F (2017). Effects of a dynamic warm-up with blood flow restriction on muscle oxygenation and repeated-sprint performance in American football players. *Proceedings Canadian Society for Exercise Physiology*, S60, Winnipeg, Canada
98. Paradis-Deschênes P, Joannis DR, **Billaut F** (2017). Ischemic preconditioning improves 5-km time-trial performance at moderate altitude. *Proceedings Canadian Society for Exercise Physiology*, S93, Winnipeg, Canada
99. Paquette M, **Billaut F** (2017). Muscle oxygenation extraction is a key performance adaptation in sprint canoe-kayak. *American College of Sports Medicine*, Denver, USA

100. Paquette M, **Billaut F** (2017). L'oxygénation musculaire : la clé pour l'optimisation de l'entraînement par intervalles ? *AQSAP*, Sherbrooke, Canada
101. Paquette M, Bieuzen F, **Billaut F** (2017). L'oxygénation musculaire comme indicateur de performance en canoë-kayak de vitesse. *Association Québécoise des Sciences de l'Activité Physique*, Sherbrooke, Canada
102. Paradis-Deschênes P, Joannis DR, **Billaut F** (2017). Performance en altitude et préconditionnement ischémique : une combinaison gagnante ? *Association Québécoise des Sciences de l'Activité Physique*, Sherbrooke, Canada
103. Paquette M, **Billaut F** (2016). Muscle oxygenation as a key performance indicator in sprint canoe-kayak. *SPIN Summit conference*, Calgary, AB
104. Paquette M, **Billaut F** (2016). Muscle oxygenation: the key to optimised high-intensity interval training? *SPIN Summit conference*, Calgary, AB
105. Paradis-Deschênes P, Joannis DR, **Billaut F** (2016). Effects of ischemic preconditioning on muscle oxygenation and performance in males and females. *Proceedings Canadian Society for Exercise Physiology*, S379, Victoria, Canada
106. **Billaut F**, D'Amours M, Woolees A (2016). Heart rate variability in two Paralympic cyclists: a case comparison. *Proceedings Canadian Society for Exercise Physiology*, S341, Victoria, Canada
107. **Billaut F**, Rodriguez RF, Aughey RJ (2016). Physiological adaptations induced by repeated-sprint training in hypoxia to acclimatise team-sport athletes to hypoxia. *Proceedings Canadian Society for Exercise Physiology*, S342, Victoria, Canada
108. Paradis-Deschênes P, Joannis DR, **Billaut F** (2016). Les effets du préconditionnement ischémique sur l'oxygénation musculaire et la performance chez des hommes et des femmes. *Rendez-vous des Entraîneurs*, Montréal, Canada
109. Paradis-Deschênes P, Joannis DR, **Billaut F** (2016). Les effets du préconditionnement ischémique sur la réponse hémodynamique et la performance : différences entre les sexes. *Journées scientifiques de l'IUCPQ*, Québec, Canada
110. Rodriguez R, Townsend N, **Billaut F**, Aughey RJ (2016). Inspiratory muscle loading during repeated-sprint exercise. *European College of Sports Science Annual Conference*, Vienna, Austria
111. Hibbert A, Varley MC, **Billaut F**, Petersen A, Polman RC (2016). Moderating effect of transcutaneous electrical nerve stimulation on paced exercise. *European College of Sports Science Annual Conference*, Vienna, Austria
112. Ferri A, **Billaut F**, Rodriguez R, Oliveira RFS, Granata C, Yan X, Kuang J, Bishop DJ (2016). Moderate hypoxia per se does not affect muscle oxidative capacity. *Exercise and Sports Science*, Melbourne, Australia
113. Hibbert A, Varley MC, **Billaut F**, Petersen A, Polman RC (2016). Moderating effect of transcutaneous electrical nerve stimulation on paced exercise. *Exercise and Sports Science Australia*, Melbourne, Australia
114. Paradis-Deschênes P, Joannis DR, **Billaut F** (2015). Le préconditionnement ischémique modifie l'hémodynamie musculaire et augmente la capacité physique. *Société des Sciences Vasculaires du Québec*, Québec, Canada
115. Paradis-Deschênes P, Joannis DR, **Billaut F** (2015). Ischemic preconditioning increases muscle perfusion, oxygen uptake and maximal force. *Proceedings Canadian Society for Exercise Physiology*, S51, St-John's, Canada
116. **Billaut F**, Ferri A, Rodriguez RF, Bishop DJ (2015). 15-days hypoxic living up-regulates tissue oxygenation and improves maximal performance. *Proceedings Canadian Society for Exercise Physiology*, S7, St-John's, Canada
117. Paradis-Deschênes P, Joannis DR, **Billaut F** (2015). 15 minutes de préconditionnement ischémique augmentent la consommation d'oxygène et l'endurance de force. *Rendez-vous des Entraîneurs*, Montréal, Canada
118. Hibbert A, Varley MC, **Billaut F**, Polman RC (2015). Influence of a different familiarisation on time-trial pacing in novice individuals. *European College of Sports Science*, Stockholm, Sweden
119. D'Hulst G, Ferri A, Naslain D, **Billaut F**, Marquet N, Bertrand L, Horman S, Francaux M, Bishop DJ, Deldique L (2015). Effects of chronic hypoxia on protein metabolism in human skeletal muscle. *Cell Symposium and Exercise Metabolism*, Amsterdam, NDL
120. Paradis-Deschênes P, Joannis DR, **Billaut F** (2015). Ischemic preconditioning alters muscle oxygenation and performance during maximal contractions. *Pan-American Sport and Exercise Research Summit*, Toronto, Canada
121. Paradis-Deschênes P, Joannis DR, **Billaut F** (2015). Ischemic preconditioning increases muscle perfusion, oxygen uptake and maximal strength. *Keystone Symposia*, Dublin, Ireland
122. **Billaut F**, Koziris LP, Charbonneau M, Huot R, Naulleau C, Tremblay J (2014). Nitrate supplementation does not improve on-ice 1000-m time-trial performance in elite short-track speed skaters. *Proceedings Canadian Society for Exercise Physiology*, S4, St-John's, Canada

123. Christian R, Bishop DJ, **Billaut F**, Girard O (2014). Conscious perceptual cues and inhibitory afferent feedback may have little influence on altering an anticipatory pacing strategy during repeated short-duration cycling sprints. *Proceedings Canadian Society for Exercise Physiology*, S10, St-John's, Canada
124. **Billaut F**, Hibbert A, Marino FE, Polman R (2014). Anticipatory and feed-forward regulation of motor output during repeated sprints. *Proceedings Canadian Society for Exercise Physiology*, S4, St-John's, Canada
125. Santos-Concerejo J, **Billaut F**, Grobler L, Olivan J, Noakes TD, Tucker R (2014). Maintained cerebral oxygenation in elite Kenyan runners during 5-km time trial. *European College of Sports Science*, Amsterdam, NLD
126. Charbonneau M, Lussier B, **Billaut F** (2014). Validation of instantaneous velocity in elite freestyle swimmers using a single accelerometer. *European College of Sports Science*, Amsterdam, NLD
127. Eaton TR, Potter A, **Billaut F**, Panchuk D, Pyne DB, Gore CJ, Chen T, McQuade L, Stepto NK (2014). Repeat-sprint performance in team-sport athletes: role for protein and caffeine. *Exercise and Sports Science Australia*, Gold Coast, QLD, Australia
128. Charbonneau M, Lussier B, **Billaut F** (2013). Updating key performance indicators in 100-m sprint swimming: case of an elite sprinter. *SPIN Summit conference*, Calgary, AB
129. Lussier B, Charbonneau M, **Billaut F** (2013). Stroke by stroke acceleration analysis of an elite swimmer. *SPIN Summit conference*, Calgary, AB
130. Flyger N, Hillam J, **Billaut F**, Aughey RJ, Martin DT, Martin JC (2013). Fatigue in maximal isokinetic cycling progresses by number of muscle contractions not external work. *The Future of Fatigue Symposium*, Bathurst, Australia
131. Flyger N, Rouffet DM, West G, Eadie S, **Billaut F**, Aughey RJ, Martin DT, Martin JC (2013). Reliability of fatigue index and work deficit in isokinetic ergometer sprint cycling. *European College of Sports Science*, Barcelona, Spain
132. **Billaut F**, Hibbert A, Zois J (2013). Anticipatory regulation during repeated sprints is based on locomotor muscle fatigue. *European College of Sports Science Annual Conference*, Barcelona, Spain
133. **Billaut F**, Kerris JP, Rodriguez RE, Martin DT, Gore CJ, Bishop DJ (2013). Interaction of central and peripheral factors during repeated sprints at different levels of atrial saturation. *European College of Sports Science Annual Conference*, Barcelona, Spain
134. Christian R, Bishop DJ, **Billaut F**, Girard O (2013). Performance and recovery during repeated cycling sprints: effect of hypoxia severity. *European College of Sports Science Annual Conference*, Barcelona, Spain
135. Aughey RJ, Inness M, **Billaut F** (2013). Intermittent hypoxic training improves sea-level performance in team-sport athletes. *European College of Sports Science Annual Conference*, Barcelona, Spain
136. Flyger N, Rouffet DM, West G, Eadie S, **Billaut F**, Aughey RJ, Martin DT, Martin JC (2013). Reliability of fatigue index and work deficit in isokinetic ergometer sprint cycling. *European College of Sports Science Annual Conference*, Barcelona, Spain
137. O'Bryan S, **Billaut F**, Rouffet DM (2013). The effects of fatigue on EMG activity of the ankle plantar flexors during a 30-s cycling sprint. *European College of Sports Science Annual Conference*, Barcelona, Spain
138. Eaton TR, Potter AW, Chen T, **Billaut F**, Panchuk D, Gore CJ, Pyne D, Stepto N (2013). Team-sport athlete performance in extreme environments: effects of supplementation on central fatigue. *European College of Sports Science Annual Conference*, Barcelona, Spain
139. Hamlin MJ, Manimmanakorn A, Manimmanakorn N, Draper N, **Billaut F**, Shearman JP (2013). Acute and chronic effects of resistance training combined with vascular occlusion or hypoxia on hormonal response. *European College of Sports Science Annual Conference*, Barcelona, Spain
140. Flyger N, Rouffet DM, West G, Eadie S, **Billaut F**, Aughey RJ, Martin DT, Brown NA, Martin JC (2013). Evaluation of different measures of fatigue in isokinetic ergometer sprint cycling. *American College of Sports Medicine*. Indianapolis, USA
141. Manimmanakorn A, Manimmanakorn N, Taylor R, Draper N, **Billaut F**, Shearman JP, Hamlin MJ (2012). Effects of resistance training combined with vascular occlusion or hypoxia on neuromuscular function in athletes. *Sport & Exercise Science New Zealand Conference*, Wellington, New Zealand
142. Christian R, Girard O, Bishop D, **Billaut F** (2012). The effects of graded hypoxia on the development of neuromuscular fatigue during maximal, intermittent dynamic leg extensions. *Qatar Foundation Annual Research Forum*, Doha, Qatar
143. Rouffet D, **Billaut F**, Atarawneh M, Petersen AC, McKenna MJ (2012). Fatigue-induced changes in muscle coordination during repeated cycling sprints. *XIX Biannual conference of International Society of Electrophysiology and Kinesiology*, Melbourne, VIC, Australia
144. Aughey R, Hammond K, Garvican L, Varley M, **Billaut F**, Gore CJ (2012). Lower peak running performance and greater fatigue during football played at low altitude. *European College of Sports Science Annual Conference*, Bruges, Belgium

145. Christian R, Girard O, **Billaut F**, Bishop D (2012). Effects of graded hypoxia on the time course of neuromuscular adjustments during maximal, intermittent leg extensions. *European College of Sports Science Annual Conference*, Bruges, Belgium
146. Schneider S, Rouffet D, **Billaut F** (2012). Cortical current density oscillations in the motor cortex are correlated with muscular activity during pedaling exercise. *American College of Sports Medicine*, San Francisco, USA
147. Rouffet D & **Billaut F** (2012). Muscle coordination during repeated sprints. *Exercise and Sports Science Australia*, Gold Coast, QLD, Australia
148. **Billaut F** (2012). Vastus lateralis re-oxygenation trends during repeated sprints in acute hypoxia. *Exercise and Sports Science Australia*, Gold Coast, QLD, Australia
149. Minett G, Duffield R, Marino F, Cannon J, **Billaut F**, Portus M (2012). Cooling for recovery following intermittent-sprint exercise in hot conditions. *Exercise and Sports Science Australia*, Gold Coast, QLD, Australia
150. Kolsky D, Osborne M, Martin DT, Bishop D, **Billaut F** (2012). The Effect of Chainring Size and Crank Length on the Acceleration Profile of Elite BMX Supercross Riders. *Exercise and Sports Science Australia*, Gold Coast, QLD, Australia
151. **Billaut F** & Buchheit M (2011). Hypoxia lowers muscle re-oxygenation during repeated sprints. *American College of Sports Medicine*, Denver, USA
152. Atanasovska T, **Billaut F**, Petersen AC, Rouffet D, Steward C, Trewin A, Gatt B, Atarawneh M, Ng I, McKenna MJ. (2010). Arterial potassium regulation during a 2000-m rowing time trial. Annual Meeting of the *Australian Physiological Society*, Adelaide, SA, Australia
153. Trewin A, **Billaut F**, Petersen AC, Perry B, Goff E, Atanasovska T, Stepto N (2010). 3-day oral *N*-acetyl-cysteine supplementation alters metabolism but not performance of high intensity aerobic exercise in trained cyclists. Annual Meeting of the *Australian Physiological Society*, Adelaide, SA, Australia
154. **Billaut F** & Smith KJ (2010). Cerebral oxygenation and pacing strategy in male and female middle-distance runners. *Sport Medicine Australia*, Port Douglas, QLD, Australia
155. **Billaut F** & Smith KJ (2010). Effect of fatigue on hamstring co-activation during repeated-sprint exercise in males and females. *Sport Medicine Australia*, Port Douglas, QLD, Australia
156. Copeland JL, **Billaut F**, Verzosa MS, Smith KJ (2010). The impact of ultra-endurance exercise on estradiol and neuromuscular function in women. *Canadian Society for Exercise Physiology*, Toronto, ON, Canada
157. **Billaut F** & Smith KJ (2010). Cerebral, but not muscle, oxygenation limits repeated-sprint ability in hypoxia. *Exercise and Sports Science Australia Conference*, Gold Coast, QLD, Australia
158. **Billaut F** & Smith KJ (2010). Sex differences in tissue oxygenation during repeated-sprint exercise. *Exercise and Sports Science Australia Conference*, Gold Coast, QLD, Australia
159. **Billaut F** Schaerz S, Bishop D, Noakes TD (2009). Knowledge of sprint number influences EMG activity and pacing during repeated-sprint exercise. *Canadian Society for Exercise Physiology*, Vancouver, BC, Canada
160. **Billaut F**, Davis JM, Smith KJ, Marino FE, Noakes TD (2009). Prefrontal cortex oxygenation during self-paced, strenuous exercise in healthy humans. *Canadian Society for Exercise Physiology*, Vancouver, BC, Canada
161. Smith K, Davis J, **Billaut F** (2009). Sex differences in prefrontal cortex oxygenation and pacing during strenuous exercise. *Canadian Society for Exercise Physiology Scientific Conference*, Vancouver, BC, Canada
162. Smith K & **Billaut F** (2009). Does cerebral oxygenation limit repeated-sprint exercise in athletes? *Exercise Physiologists of Western Canada*, Winnipeg, MB, Canada
163. Smith K & **Billaut F** (2009). Influence of sex on neuromuscular activity during repeated bouts of sprints. *43rd Annual Prairie Universities Biological Symposium*, Lethbridge, AB, Canada
164. **Billaut F** & Smith K (2008). Absolute mechanical work explains sex-related neural response to repeated sprints. *Canadian Society for Exercise Physiology*, Banff, AB, Canada
165. **Billaut F** (2008). EMG responses to multiple-sprint exercise: a sex difference? *European College of Sport Science Annual Conference*, Estoril, Portugal
166. **Billaut F** (2008). Muscle coordination during repeated sprints in woman: a pilot study. *European College of Sport Science Annual Conference*, Estoril, Portugal
167. **Billaut F**, Power G, Handrigan G, Basset FA (2007). Muscle coordination during multiple-sprint exercise with varied recovery patterns. *Canadian Society for Exercise Physiology Scientific Conference*, London, ON, Canada
168. Basset FA, Fortier S, **Billaut F** (2007). Effect of muscle fatigue on activation and deactivation dynamics. *Canadian Society for Exercise Physiology Scientific Conference*, London, ON, Canada
169. **Billaut F**, Basset FA, Joannis DR, Doré J, Boulay MR (2006). Relationship of thigh volumes and skeletal muscle phenotypes to the cycling time-to-exhaustion performance in competitive athletes. *Canadian Society for Exercise Physiology Scientific Conference*, Halifax, NS, Canada
170. Basset FA & **Billaut F** (2006). Intermittent normobaric hypoxia effect on aerobic performance in high level athletes. *Applied Sport Science Symposium*, London, United Kingdom

171. Fortier S, Basset FA, Behm D, Teasdale N, **Billaut F** (2006). Which type of repetitive muscle contractions induces a greater acute impairment of position sense? *Canadian Society for Exercise Physiology Scientific Conference*, Halifax, NS, Canada
172. **Schneiker TK, Billaut F**, Bishop D (2006). The effects of preloading using heavy resistance exercise on acute power output during lower-body complex training. *11th European College of Sport Science Congress*, Lausanne, Switzerland
173. **Schneiker TK, Billaut F**, Bishop D (2006). Comparison of six weeks of complex training and periodised training on the development of lower-body strength. *11th European College of Sport Science Congress*, Lausanne, Switzerland
174. Basset FA, Joanisse DR, **Boivin F**, St-Onge J, **Billaut F**, Doré J, Chouinard R, Falgairette G, Richard D, Boulay MR (2005). Effects of Short-Term Normobaric Hypoxia on haematological parameters, muscle phenotype and on physical performance in Highly Trained Athletes. *Proceedings of the XIXth International Hypoxia Symposium*, Lake Louise, Canada
175. Basset FA, Doré J, **Billaut F**, St-Onge J, Joanisse DR, Boulay MR (2004). Does short-term intermittent normobaric hypoxia affect haematologic parameters? *Canadian Society of Sports Medicine*, Vancouver, Canada
176. **Billaut F**, Basset FA, Giacomoni M, Falgairette G (2004). Effect of fatigue on muscle coordination in repeated all-out bouts. *Proceedings of the XXIIth International Symposium on Biomechanics in Sports*, Ottawa, Canada
177. **Billaut F**, Giacomoni M, Falgairette G (2003). Exercice maximal intermittent : effets de la durée de récupération et du sexe. *X^{ème} Congrès International de l'ACAPS*, Toulouse, France
178. **Billaut F**, Basset FA, Giacomoni M, Lemaître F, Tricot V, Falgairette G (2003). Fatigue périphérique et production de force réduite après des sprints répétés de haute intensité. *X^{ème} Congrès International de l'ACAPS*, Toulouse, France
179. **Billaut F**, Falgairette G (2001). Variations journalières de la performance en sprints : influence du temps de récupération. *IX^{ème} Congrès International de l'ACAPS*, Valence, France

CONFERENCE CHAIR AND ORGANISING COMMITTEE MEMBER

1. Organising committee member: 5^e *Journée de la kinésiologie* (January 2026), Quebec, Canada (~200 attendees, 6 speakers, 18 posters)
2. Organising committee member: 4^e *Journée de la kinésiologie* (January 2025), Quebec, Canada (~200 attendees, 6 speakers, 18 posters)
3. Organising committee member: 3^e *Journée de la kinésiologie* (January 2024), Quebec, Canada (~120 attendees, 6 speakers, 15 posters)
4. Session chair: Hypoxia II (July 2023). *European College of Sports Science*, Paris, France
5. Session chair: Oxygenation (July 2023). *European College of Sports Science*, Paris, Canada
6. Organising committee member: 2nd *journée de la kinésiologie* (January 2023), Quebec, Canada (~300 attendees, 10 speakers, 15 posters)
7. Session chair: Entraînement et performance sportive (February 2015). *Association Québécoise des Sciences de l'Activité Physique*, Québec, Canada
8. Session chair: Performance enhancement strategies in team sports (April 2012) *Exercise and Sport Science Australia*, Gold Coast, Australia.

CONFERENCE EXAMINER AND COMMITTEE MEMBER

1. Evaluation Committee member for the *Southeast ACSM 2026 conference*: I served on the evaluation committee to review abstracts (n=14).
2. Examiner at oral presentation session to assess and rank presentations (May 2025) 35th *Journée de la recherche de la Faculté de médecine*, Québec, Canada (n=8)
3. Examiner for poster presentations MSc and PhD (April 11-12th 2025) *Association Québécoise des Sciences de l'Activité Physique*, Trois-Rivières, Canada (n=17)
4. Examiner on selection committee to select best abstract MSc (January 2024) 3^e *Journée de la kinésiologie*, Québec, Canada
5. Reviewer on evaluation committee to rank abstracts (April 14-15th 2023) *Association Québécoise des Sciences de l'Activité Physique*, Montreal, Canada
6. Examiner at oral presentation sessions to assess and rank presentations (January 2023) 2nd *journée de la kinésiologie*, Québec, Canada

7. Examiner on selection committee to select best abstract MSc and PhD (January 2023) *2nd journée de la kinésiologie*, Québec, Canada
8. Examiner at oral presentation session to assess and rank presentations (May 2021) *31st Journée Scientifique de la Recherche Universitaire*, Québec, Canada
9. Reviewer on evaluation committee to rank abstracts and presentations (April 27-28th 2021) *Association Québécoise des Sciences de l'Activité Physique*, Québec, Canada
10. Examiner on selection committee to select best abstract MSc (January 2020) *1st journée de la kinésiologie*, Québec, Canada
11. Examiner at oral presentation session to assess and rank presentations (May 2020) *30th Journée Scientifique de la Recherche Universitaire*, Québec, Canada
12. Reviewer on abstract review team to accept/reject and rank abstracts (February 2020) *5th International Congress on Soldiers Physical Performance (ICSPP)*, Quebec, Canada
13. External examiner at oral presentation session to assess and rank presentations (June 2018) *28th Journée Scientifique de la Recherche Universitaire*, Québec, Canada
14. External examiner at oral presentation session to assess and rank presentations (June 2017) *27th Journée Scientifique de la Recherche Universitaire*, Québec, Canada

CONTRIBUTIONS TO THE TRAINING OF HIGHLY QUALIFIED PERSONNEL

Graduate Students' Supervision

PhD students

1. 2025-present: Joanna Guézennec (**Ph.D.** kinesiology – **supervisor**) Université Laval, Canada. *Endurance performance across the menstrual cycle and life transitions*
2. 2024-present: Pablo Iturri (**Ph.D.** molecular medicine – **co-supervisor**) Université Laval, Canada. *Genetic variants associated with high-altitude human performance in endurance sports*
3. 2022-present: Marie Chambion-Diaz (**Ph.D.** kinesiology/STAPS – **supervisor**) Joint PhD Université Laval, Canada / Université Claude Bernard Lyon 1, France. *Stress environnemental et adaptations biologiques chez l'athlète* (PhD scholarship MEQ Canada government 2022-2025, PhD scholarship HYPOXPERF France 2022-2025)
4. 2022-present: Shahrzad Soleimani (**Ph.D.** kinesiology – **co-supervisor**) Université Laval, Canada. *Impact of hypoxia on cerebral function* (PhD scholarship NSERC 2022-2025)
5. 2016-2021: Pénélope Paradis-Deschênes (**Ph.D.** kinesiology completed Sept 2nd 2021 – **supervisor**) Université Laval, Canada. *Enhancing aerobic endurance performance with ischemic preconditioning* (Sports travel award 2020, IUCPQ scholarship 2019-2020, Excellence Award Claude Bouchard 2020, IUCPQ scholarship 2018-2019, Excellence Award Claude Bouchard 2019, Excellence Award Jean-Aimé Simoneau 2017, Faculty of Medicine Excellence Award UL 2016)
6. 2015-2021: Myriam Paquette (**Ph.D.** kinesiology completed June 7th 2021 – **supervisor**) Université Laval, Canada. *Training adaptations in flat-water kayak athletes* (Excellence Award Claude Bouchard 2016, PhD scholarship from INS Quebec 2015-2018, 2020 SPIN Summit Young Investigator Award winner)
7. 2015-2018: Philippe Richard (**Ph.D.** kinesiology completed Nov 29th 2018 – **supervisor**) Université Laval, Canada. *Metabolic conditioning to enhance long-track speed skating*
8. 2013-2018: Andrew Hibbert (**Ph.D.** exercise physiology defended July 25th 2019 – **co-supervisor**) Victoria University, Australia. *Factors of pacing in sport performance* (VU PhD scholarship 2013-2017)
9. 2013-2018: Ramon F Rodriguez-Anderson (**Ph.D.** exercise physiology defended Nov 12th 2018 – **co-supervisor**) Victoria University, Australia. *Respiratory muscle training and repeated-sprint performance* (VU PhD scholarship 2013-2017)
10. 2012-2017: Mathew WH Inness (**Ph.D.** exercise physiology defended June 29th 2017 – **co-supervisor**) Victoria University/Western Bulldog Football Club, Australia. *Efficacy of altitude training for elite football players* (Western Bulldogs PhD scholarship 2012-2016)

M.Sc students

1. 2024-present: Daniel Correa (**M.Sc.** kinesiology – **supervisor**) Université Laval, Canada. *Heart rate variability in rifle shooting performance in biathletes.*
2. 2023-2025: Joanna Guézennec (**M.Sc.** kinesiology graduated August 2025 – **supervisor**) Université Laval, Canada. *Apnea training to enhance physiological adaptations and performance in artistic swimming*
3. 2024-February/June: Jérémy Chertin (**M.Sc. research internship** kinesiology – **supervisor**) Université du Sud Toulon-Var, France. *Effects of antigravity and hypoxia on muscle oxygenation in runners*

4. 2021-present: Laurence Normandin (**M.Sc.** kinesiology – **supervisor**) Université Laval, Canada. *Ischemic preconditioning and adaptation to altitude in endurance athletes*
5. 2021-present: Jérémie Renaud (**M.Sc.** kinesiology – **supervisor**) Université Laval, Canada. *Optimisation of performance in elite judo athletes*
6. 2020-2023: Nassif Chamoun (**M.Sc.** kinesiology graduated August 2023 – **co-supervisor**) Université Laval, Canada. *High-intensity training and cerebral blood flow regulation in males and females*
7. 2019-2024: Hubbert Bourgeois (**M.Sc.** kinesiology graduated May 2024 – **supervisor**) Université Laval, Canada. *Effects of blood flow occlusion training on endurance performance*
8. 2016-2022: Shannon Cyr-Kirk (**M.Sc.** kinesiology graduated July 2022 – **supervisor**) Université Laval, Canada. *Effects of hyperoxia on repeated-sprint performance*
9. 2019-2022: Stephan Bouffard (**M.Sc.** kinesiology graduated February 2022– **supervisor**) Université Laval, Canada. *Effects of sprint training on muscle recruitment*
10. 2018-2020: Julien Lapointe (**M.Sc.** kinesiology graduated May 2020 – **supervisor**) Université Laval, Canada. *Effects of hyperoxia on repeated-sprint ability*
11. 2018-2020: Emma Galbraith (**M.Sc.** kinesiology graduated July 2020 – **supervisor**) Université Laval, Canada. *Effects of Radical Plus consumption on exercise capacity in rats*
12. 2016-2019: Marie Rousseau-Demers (**M.Sc.** kinesiology graduated May 2019 – **supervisor**) Université Laval, Canada. *Rhodiola Rosea and sprint kayak performance*
13. 2015-2019: Jean-François Fortin (**M.Sc.** kinesiology graduated May 2019 – **supervisor**) Université Laval, Canada. *Blood flow occlusion and football performance*
14. 2015-: Michèle D'Amours (**M.Sc.** – **supervisor**) Université Laval, Canada. *Sprint training volume and muscle adaptations* – did not finish
15. 2013-2015: Pénélope Paradis-Deschênes (**M.Sc.** kinesiology graduated Dec 2015 – **supervisor**) Université Laval, Canada. *Ischemic pre conditioning and maximal performance* (Excellence Award Jean-Aimé Simoneau 2015 and 2016)
16. 2011-2012: Steeve O'Bryan (**M.Sc.** exercise physiology – **supervisor**) Victoria University, Australia. *Central and peripheral regulation of sprint performance*
17. 2011-2012: Andrew Hibbert (**M.Sc.** exercise physiology – **supervisor**) Victoria University, Australia. *Pacing during repeated-sprint exercise*
18. 2011-2012: Aaron Potter (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Nutritional interventions for sprint performance in hot and hypoxic environments*
19. 2011-2012: Alice Sweeting (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Muscle oxygenation trends during running sprints at different altitudes*
20. 2011-2012: Muath Altarawneh (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Salbutamol on potassium and exercise performance*
21. 2010-2011: Ramon F Rodriguez (**M.Sc.** exercise physiology – **supervisor**) Victoria University, Australia. *Hypoxic training and repeated-sprint performance*
22. 2010-2011: Jarrod Kerris (**M.Sc.** exercise physiology – **supervisor**) Victoria University, Australia. *Central fatigue in repeated-sprint exercise at altitude*
23. 2010-2011: Kristal Hammond (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Hypoxia and tissue oxygenation during repeated sprints*
24. 2009-2011: Kurt Smith (**M.Sc.** exercise physiology – **supervisor**) University of Lethbridge, Canada. *Cerebral cortex oxygenation in sprint*
25. 2009-2010: Tania Atanasovska (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Arterial potassium and rowing performance*
26. 2009-2010: Melinda Krapas (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Caffeine and bicarbonate effects on repeated-sprint exercise*
27. 2009-2010: Aaron Trewin (**M.Sc.** exercise physiology – **supervisor**) Victoria University, Australia. *NAC supplementation and high-intensity, intermittent exercise*
28. 2009-2010: Ryan Christian (**M.Sc.** exercise physiology – **co-supervisor**) Victoria University, Australia. *Protein and caffeine supplementation in soccer*
29. 2003-2005: Christophe Fedi (**M.Sc.** exercise physiology – **co-supervisor**) Université du Sud Toulon-Var, France. *Neuromuscular physiology*

1. 2025 : M Stolberg (**PhD**) Université du Québec à Montréal (Canada). *Blood-flow restriction training – Implications for astronauts, healthy aging and injury rehabilitation*
2. 2025: K Hafner (**PhD**) Université de Bretagne (France). *Suivi des habiletés d'étudiants athlètes*
3. 2025: C Graham (**M.Sc.**) McGill University (Canada). *Sex-specific effects of intermittent submaximal fatiguing handgrip plus blood-flow restriction on upper limb neuromuscular characteristics during a repetitive pointing task*
4. 2024: P Peyrel (**PhD**) Université Laval (Canada). *Objective and subjective impacts of symptoms associated with statin prescription*
5. 2024: J MacKee (**PhD**) Murdoch University (Australia). *Repeated-sprint training with blood flow restriction: a novel approach to improve repeated-sprint ability*
6. 2024: T Goepp (**PhD**) Université Savoie Mont Blanc (France). *Optimisation de la condition physique, des capacités cognitives et de la santé des militaires en OPEX : Effets croisés de l'entraînement par restriction du flux sanguin musculaire (BFR) et de la pré-acclimatation à la chaleur*
7. 2023: T Perrin (**PhD**) Université Grenoble-Alpes (France). *Mécanismes vasculaires et musculaires de la réponse à un modèle d'hypoxie locale – la restriction du flux sanguin – sur la performance physique et la santé*
8. 2023: M Taghizadeh (**PhD**) Université Laval (Canada). *Impact of isocapnic heat stress on dynamic cerebral autoregulation*
9. 2022: M-A Roy (**M.Sc.**) Université Laval (Canada). *Impact de l'entraînement en endurance ou en résistance sur la bidirectionnalité de l'autorégulation cérébrale*
10. 2022: P-O Velozo (**M.Sc.**) Université Laval (Canada). *Autorégulation vasculaire cérébrale chez des personnes atteintes de commotion cérébrale*
11. 2022: N Chamoun (**M.Sc.**) Université Laval (Canada). *Impact du sexe sur la régulation vasculaire cérébrale lors d'un exercice aérobie progressif maximal chez des jeunes individus entraînés en endurance*
12. 2021: M-A Roy (**M.Sc.**) Université Laval (Canada). *Impact de l'entraînement en endurance ou en résistance sur la bidirectionnalité de l'autorégulation cérébrale*
13. 2021: F Abbarkhi (**M.Sc.**) Université Laval (Canada). *Impact de 6 semaines d'entraînement par intervalles à haute intensité sur la capacité des vaisseaux à réagir à des changements rapides de la pression artérielle en fonction de la direction du changement de la pression artérielle*
14. 2021: C Hogan (**PhD**) University of Western Australia (Australia). *Quantifying on-water intensity in flat-water sprint kayaking*
15. 2020: S Halley (**PhD**) Western Sydney University (Australia). *The effects of ischemic preconditioning on neuromuscular fatigue*
16. 2019: A Drapeau (**M.Sc.**) Université Laval (Canada). *Effets de l'entraînement par intervalles sur l'autorégulation cérébrale chez des athlètes d'endurance*
17. 2018: L Labrecque (**M.Sc.**) Université Laval (Canada). *Auto-régulation cérébrale et différences sexuelles*
18. 2018: K Rahimaly (**M.Sc.**, examen oral final) Université Laval (Canada). *Auto-régulation cérébrale et différences régionales*
19. 2017: D Ferreira (**M.Sc.**) Rhodes University (South Africa). *Pacing strategy in a 2000-m rowing time trial*
20. 2016: S Malenfant (**PhD**) Université Laval (Canada). *Oxygénation tissulaires et défauts angiogéniques chez des patients porteurs d'hypertension pulmonaire*
21. 2016: S Imhoff (**PhD**, examen initial de doctorat) Université Laval (Canada). *Auto-régulation cérébrale chez des patients avec traumatisme craniocérébral léger*
22. 2016: R Bourke (**M.Sc.**) Victoria University, Australia.
23. 2016: N Vargas (**PhD**) Charles Sturt University, Australia.
24. 2016: B Collins (**M.Sc.**) Charles Sturt University, Australia. *Sprint interval training for obese men*
25. 2014: M Paquette (**M.Sc.**) Université Laval (Canada). *High-intensity interval training and performance*
26. 2014: A Elliott (**M.Sc.**) Rhodes University (South Africa). *Pacing strategy of batsmen in cricket*
27. 2013: E Chicoine (**M.Sc.**) Université de Montréal (Canada). *Post-activation potentiation in elite speed skaters*
28. 2012: P Ufland (**PhD**). Université Picardie Jules Vernes, France. *Near-infrared spectroscopy investigation of repeated-sprint exercise*
29. 2012: W Duff (**MSc**). University of Regina, Canada. *Tissue oxygenation during endurance exercise*
30. 2011: M Pointou (**PhD**). Charles Sturt University, Australia. *Cold water immersion & recovery of neuromuscular function*
31. 2010: S Versoza (**M.Sc.**) University of Lethbridge, Canada. *Human physiology, hormones*
32. 2010: S Leonhardt (**M.Sc.**) University of Lethbridge, Canada. *Biomechanics & physiology*
33. 2008: G Handrigan (**M.Sc.**) Memorial University of Newfoundland, Canada. *Biomechanics & physiology*

Undergraduate research supervision

1. 2025 : Élodie Bourgeois, Université Laval (stage de recherche, Département de kinésiologie)
2. 2024 : Virginie Noël, Université Laval (stage de recherche, Département de kinésiologie)
3. 2024 : Alix Vincent, Université Laval (stage de recherche, Département de kinésiologie)
4. 2024 : Anne-Sophie Boucher, Université Laval (stage de recherche, Département de kinésiologie)
5. 2024 : Daphné Coulombe, Université Laval (stage de recherche, Département de kinésiologie)
6. 2024 : Jade Cloutier, Université Laval (stage de recherche, Département de kinésiologie)
7. 2024 : Louis Couillard, Université Laval (stage de recherche, Département de kinésiologie)
8. 2024 : Mathis Audy, Université Laval (stage de recherche, Département de kinésiologie)
9. 2024 : Maxime Dulac, Université Laval (stage de recherche, Département de kinésiologie)
10. 2024 : Charles-Alexandre Thivierge, Université Laval (stage de recherche, Département de kinésiologie)
11. 2023 : Antoine Corbeil, Université Laval (stage de recherche, Département de kinésiologie)
12. 2023 : Louana Côté, Université Laval (stage de recherche, Département de kinésiologie)
13. 2023 : Rose Gagné, Université Laval (stage de recherche, Département de kinésiologie)
14. 2023 : Philomène Aoro, Université Laval (stage de recherche, Département de kinésiologie)
15. 2023 : Stéphani Allushi, Université Laval (stage de recherche, Département de kinésiologie)
16. 2023 : Emeric Boutin, Université Laval (stage de recherche, Département de kinésiologie)
17. 2023 : Célestin Blanchet-Langevin, Université Laval (stage de recherche, Département de kinésiologie)
18. 2023 : Laurence Roy, Université Laval (stage de recherche, Département de kinésiologie)
19. 2023 : Sarah-Maude Longchamps, Université Laval (stage de recherche, Département de kinésiologie)
20. 2022 : D Hamelin (stage de recherche, Département de kinésiologie)
21. 2022: S Champagne, Université Laval (stage Sciences biomédicales)
22. 2021: E Richer, Université Laval (stage de recherche, Doctorat en médecine)
23. 2021: S Champagne, Université Laval (bourse Faculté de Médecine stage d'été)
24. 2021: X Tremblay, Université Laval (stage de recherche, Département de kinésiologie)
25. 2020: J Clairoux, Université Laval (bourse Faculté de Médecine stage d'été)
26. 2020: X Tremblay, Université Laval (stage de recherche I, Département de kinésiologie)
27. 2019: M Chambion: MSc internship from France
28. 2019: H Bourgeois: Université Laval
29. 2019: R Ouellet: Université Laval (bourse Faculté de Médecine stage d'été)
30. 2018 : F Vézina: Université Laval (bourse Faculté de Médecine stage d'automne)
31. 2018 : V Fecteau: Université Laval (bourse Faculté de Médecine stage d'été)
32. 2018 : C Bernier: Université Laval (bourse Faculté de Médecine stage d'été)
33. 2018 : N Chabot: Université Laval
34. 2017 : C-A Déry: Université Laval (bourse Faculté de Médecine stage d'été)
35. 2009 : S Turner: University of Lethbridge
36. 2009: J Davis: University of Lethbridge (best oral presentation at 3rd Annual GSA Multidisciplinary Conference, University of Lethbridge)
37. 2009: C Campbell: University of Lethbridge
38. 2008: J Davis: University of Lethbridge
39. 2008: K Smith: University of Lethbridge
40. 2008: K de Groot: University of Lethbridge
41. 2008: J Davis: University of Lethbridge
42. 2008: S Schaerz: University of Lethbridge
43. 2007: C O'Mahony: University of Lethbridge
44. 2007: J Evans: University of Lethbridge
45. 2007: M Dallas: University of Lethbridge

TEACHING ACCOMPLISHMENTS

TEACHING GRANTS

2025:

- Fond d'Investissement des Étudiants en Médecine (FIEM) (**PI**) – *Octroi d'équipements scientifiques pour les cours KIN 3005. \$6,778*

2024:

- Fond d'Investissement des Étudiants en Médecine (FIEM) (**PI**) – *Octroi d'équipements scientifiques pour les cours KIN 3005. \$1,788*

2022:

- Subvention du Vice-rectorat aux études et aux affaires étudiants (VREA), Programme d'appui à l'innovation pédagogique (PAIP) 2022-2023 (**co-PI**) – *Développement d'un cours en psychologie avancée du sport. \$8828*

2020:

- Subvention du Vice-décanat à la pédagogie et au développement professionnel continu (VDPDPC), Programme de Formation à distance et cours hybride (FAD-Hybride) (**co-PI**) – *Soutien pour la création du cours KIN 7021. \$4,424.82*
- Subvention du Vice-rectorat aux études et aux affaires étudiants (VREA), Programme d'appui à l'innovation pédagogique (PAIP) 2020-2021 (**PI**) – *Soutien pour la révision du cours KIN 3005 en raison de la situation de la COVID-19. \$474.84*

2017:

- Fond d'Investissement des Étudiants en Médecine (FIEM) (**PI**) – *Octroi d'équipements scientifiques pour les cours KIN 3005. \$8,000*

2016:

- Fond d'Investissement des Étudiants en Médecine (FIEM) (**PI**) – *Octroi d'équipements scientifiques pour les cours KIN 2303 et 3305. \$4,111.64*
- Fond d'Investissement des Étudiants en Médecine (FIEM) (**co-PI**) – *Octroi d'équipements scientifiques pour les cours KIN 2303 et 3305. \$3,965.46*

UNDERGRADUATE EDUCATION

Teaching courses

Université Laval, Canada: 09/2015-present (*load: fall 2 courses, winter 1 course*)

- **Méthode et recherche en kinésiologie (KIN 2013, co-responsability)** (enrolment: 65): research methodology and design, phases and steps of the research process, research question and hypothesis, elementary statistics
- **Physiologie de l'activité physique 3 (KIN 3005, co-responsability)** (enrolment: 80): environmental physiology, training methods and adaptations to training
- **Bases scientifiques de la performance (KIN 1009, collaborator)** (enrolment: 120): in-depth training methods/periodisation, physiological testing, physiological requirements of sport
- **Physiologie de l'activité physique 1 (KIN 1003, collaborator)** (enrolment: 120): neuro-muscular physiology, muscle contraction processes, adaptations to training
- **Perspectives en kinésiologie (KIN 1000, collaborator)** (enrolment: 110): presentation on the activities of the « sport science » team of the Department
- **Projets spéciaux (KIN 7002 & 7003, full responsibility)** (students enrolled to date: 9): special projects are led by a graduate student over one semester and are aimed at enhancing and/or acquiring new knowledge/experience in a specific area of interest. These are usually related to the thesis topic. They include for ex. working on poster or oral presentations, attending a workshop, visiting another laboratory to acquire new expertise, writing a second paper from their or another data set, reviewing a paper...
- **Lectures dirigées (KIN 7000 & 7008, full responsibility)** (students enrolled to date: 5): supervised lectures are led by a graduate student over one semester and are aimed at enhancing their knowledge on a given topic or an issue that is not directly related to their thesis. They include for ex. conducting a literature review on another topic of interest.

Victoria University, Australia: 01/2010-07/2012 (*load: 2 courses per semester*)

- **Sport Physiology (AHE 2101, co-responsibility)** (enrolment: 90): in-depth training methods/periodisation, physiological testing, physiological requirements of sport
- **Applied Exercise Physiology (AHE 0006, co-responsibility)** (enrolment: 30): strategies employed by exercise physiologists to achieve peak exercise performance
- **Advanced Exercise Physiology (AHE 3100, co-responsibility)** (enrolment: 250): in-depth physiological responses to exercise and training
- **Exercise Interventions for Healthy Populations (AHE 2006, co-responsibility)** (enrolment: 250): theoretical knowledge and practical skills to prescribe exercise

University of Lethbridge, Canada: 07/2006-12/2009 (*load: 2 courses per semester*)

- **Resistance Training for Performance and Health I (PHAC 2445, full responsibility)** (enrolment: 45): basics of strength training for performance and health, program design/periodisation
- **Resistance Training for Performance and Health II (PHAC 3445, full responsibility)** (enrolment: 45): advanced theory related to strength training (physiology, biomechanics)
- **Exercise Physiology (KNES 3610, full responsibility)** (enrolment: 30): combination of lectures and labs to examine responses of physiological systems to acute and chronic exercise, environmental issues
- **Advanced Exercise Physiology (KNES 4615, full responsibility)** (enrolment: 25): combination of lectures and seminars to approach physiological processes that regulate human exercise performance. Emphasis placed on neuromuscular fatigue mechanisms, electrophysiology, and skeletal muscle metabolism. The course also examines adaptations to hypoxic conditions

Université du Sud Toulon-Var, France: 09/2002-09/2005

- **Exercise Physiology** (enrolment: 30): combination of lectures and labs to examine responses of physiological systems to acute and chronic exercise, environmental issues
- **Strength Training and Conditioning** (enrolment: 35): strength acquisition and conditioning, relation to performance and active health
- **Office Automation and Statistics** (enrolment: 40): statistics and probability, data processing
- **Sport Activities** (enrolment: 30): practical and theoretical aspects of orientating running

Independent Studies – Undergraduate research projects (University of Lethbridge)

- Cerebral oxygenation and repeated-sprint ability (KNES 2990)
- Changes in cerebral cortex oxygenation during a 5-km time trial (KNES 4990)
- Sex differences in peripheral and central fatigue in human skeletal muscle: a review (KNES 4990)
- Pacing strategy and the occurrence of fatigue during short bouts of sprint exercise (KNES 3990)
- Effects of yoga training on neuromuscular efficiency (KNES 4990)
- Repeated sprints and neuromuscular function in women (KNES 4990)
- Muscle coordination and intermittent exercise (KNES 3990)

Applied Studies – Undergraduate projects in the workplace (University of Lethbridge)

- Strength training program for hockey players (KNES 2980)
- Developing and implementing knee braces for patients (Athletic Therapy Practicum – KNES 2980)
- The development and potential application of a low-back pain exercise program (Athletic Therapy Practicum – KNES 2980)

GRADUATE EDUCATION

Teaching courses

The Ohio State University, USA, 10/2023

- **KNES 7714 – Advanced physiology of exercise, Guest lecturer** (enrolment 15): Ischemic preconditioning: mechanisms and applications for health and performance

Université Laval, Canada: 09/2015 – present

- **Optimisation des systèmes physiologiques (KIN 7018, titulaire)** (enrolment: 12-15): in-depth physiological responses to exercise and training
- **Perfectionnement en préparation physique et performance (KIN 7019, collaboration)** (enrolment: 12-15): in-depth physiological responses to exercise and training

Université du Sud Toulon-Var, France: 09/2003 – 09/2005

- **Introduction to research** (enrolment: 30, full responsibility): methodological and theoretical aspects of research. Experimental approach of research from the conception of a scientific project to results' analysis and publication (research methods, laboratory techniques)

SERVICE TO THE UNIVERSITY & COMMUNITY

UNIVERSITY ADMINISTRATIVE & COMMITTEE SERVICE

Université Laval (2014-present)

- 2023-present: **Faculty of Medicine (FMed) representative on Evaluation Committee Research Ethics Board platform**: mandate to rethink, reorganise a new online platform for our Institutional Review Board (4 meetings / year with representative of all UL Faculties)
- 12/2024: **member of Evaluation Committee** Claude Bouchard and Jean-Aimé Simoneau 2024 scholarships for PhD and MSc in kinesiology
- 06/2023: **member of Selection Committee** Transfer of two Associate Professors in sport psychology and sport nutrition to the Department: writing of confidential report to Head of Department
- 05/2023: **member of Selection Committee** Assistant Prof position healthy lifestyle (#22078), selection process and writing of confidential report to Committee
- 02/2023: **member of Evaluation Committee** Claude Bouchard and Jean-Aimé Simoneau 2023 scholarships for PhD and MSc in kinesiology
- 09-12/2022: **membre du Comité de révision de l'examen de doctorat en kinésiologie KIN 8000** : contributions aux modifications des exigences et attentes de l'examen de doctorat en kinésiologie.
- 09-12/2021: **membre Comité de travail interdisciplinaire CTI #1 (Espaces dédiés aux sport intérieurs)** du **Plan Directeur du PEPS**. Responsabilités : déterminer, lors d'ateliers de travail et de consultations diverses, les besoins et les enjeux reliés à une catégorie d'espaces donnée, cibler les tendances pour l'avenir de ces espaces, réfléchir à des orientations pour le milieu de vie universitaire, transmettre les orientations prises par le CTI au sein de leur unité, rapporter les préoccupations et propositions de leur unité au CTI
- 09-12/2021: **membre Comité de travail interdisciplinaire CTI #5 (Espaces de recherche)** du **Plan Directeur du PEPS**. Responsabilités : déterminer, lors d'ateliers de travail et de consultations diverses, les besoins et les enjeux reliés à une catégorie d'espaces donnée, cibler les tendances pour l'avenir de ces espaces, réfléchir à des orientations pour le milieu de vie universitaire, transmettre les orientations prises par le CTI au sein de leur unité, rapporter les préoccupations et propositions de leur unité au CTI
- 06/2017-present: **membre du Comité de programme 2/3^e cycles** : contribution aux décisions liées aux programmes d'enseignement des cycles supérieurs et à la vie des étudiants gradués dans notre département.
- 09/2016-present: **directeur du microprogramme de 2^e cycle "Optimisation de la performance sportive"**.
- 10/2014-10/2015: **membre du Comité du Renouveau Pédagogique** : contribution aux réflexions et prises de décision du comité quant au remaniement du programme du baccalauréat en kinésiologie affecté par « l'approche-programme » de développement des compétences.

Victoria University (2010-2012)

- 02/2011-06/2012: **School representative on the Faculty Post-Graduate Studies Committee**: involved in discussions towards enhancing postgraduate students experience at VU, taking decisions to promote the Committee activities.
- 05/2012: **member on selection panel** to appoint a Lecturer B position in the School of Sport & Ex Sci.

University of Lethbridge (2006-2009)

- 03/2009-09/2009 (UofL): **Chair of the Research Seminar Series Committee**, involved in organisation of monthly seminars dedicated to research, inviting external speakers.
- 09/2007-09/2009 (UofL): **Member on the Bachelor of Exercise Science degree Committee**, involved in discussions regarding curriculum, course selection.
- 03/2007-09/2009: **Member of the School of Graduate Studies**, involved in discussions regarding graduate courses.
- 07/2006-09/2009 (UofL): **Member on the Department of Kinesiology Committee**, involved in discussions regarding curriculum, and overall Department life.

COMMUNITY SERVICE THROUGH CONTRIBUTION TO PROFESSIONAL COMMITTEES



- **Membre du Comité Recherche et Innovation** de l'Institut national du sport du Québec (Montréal) (depuis juin 2017) : le CRI conseille l'INSQ sur toute question relative aux activités scientifiques et techniques, en cours ou projetées, menées ou soutenues par l'INS Québec. Il s'agit notamment d'aider l'INS Québec à planifier et à mener des activités de recherche et d'innovation pertinentes, compte tenu des objectifs qu'il poursuit. L'INS Québec offre des services à des groupes d'entraînement de haut niveau évoluant dans les installations de l'INS Québec ou ailleurs au Québec. L'INS Québec a pour ambitions de devenir et demeurer le lieu de convergence de la recherche en sport de haut niveau au Québec et de briller sur les scènes canadienne et internationale par ses activités de recherche et d'innovation en matière de sport de haut niveau.



- **Membre du Comité Scientifique de PULSAR** (2018 - 2022) : PULSAR est le premier réseau de Québécois voué à la recherche en santé durable (www.pulsar.ulaval.ca). Le réseau privilégie une recherche interdisciplinaire, impliquant la communauté. Mon rôle au sein du comité scientifique « activité physique, sédentarité et condition physique » est d'explorer et d'identifier les meilleures façons de mesurer et d'évaluer ces états de la condition physique et de sélectionner les outils et méthodes qui seront proposés comme « standards » aux futurs projets de recherche PULSAR. C'est un enjeu très important puisqu'il s'agit d'unifier les méthodes d'évaluation de la condition physique dans la province de Québec afin de faciliter les échanges de données entre des projets de recherche variés.



- **Membre du Comité Savoir-Sport** de l'Institut national du sport du Québec (2014 à 2016) : contribution au développement et au maintien du site internet « Savoir-Sport » qui est une plateforme de diffusion de l'information scientifique vulgarisée, renouvellement des contenus publiés, arbitre de fiches d'information, publicité via les réseaux sociaux.



- **Expert consultant** pour Excellence Sportive Québec-Lévis (Québec) depuis septembre 2015 : ici, mon expertise et mes implications dans d'autres organismes me permettent de soutenir le Directeur Général d'ESQL (M. Côme Desrochers) dans l'analyse des besoins généraux des athlètes et entraîneurs de la grande région de Québec reliés aux différentes sphères des sciences du sport, et de guider les prises de décisions et les budgets sur les orientations clés de l'organisation.



- **Expert consultant** for the National Coaching Certification Program (NCCP) of the Coaching Association of Canada (CAC). Providing NCCP Advanced Coaching Diploma program content revision, identifying new content to add to modules outlines, ensuring alignment with the Canadian high performance strategy.



- **Research & innovation expert** for the National Sport Science, Medicine Advisory Committee (NSSMAC) from "Own The Podium" national body (2013 – 2018). National network of experts that provides guidelines for implementing physiology and sport sciences within sport teams to optimise efficiencies and performances.



- **Chercheur associé** au Institute of Sport, Exercise and Active Living (ISEAL) de l'Université Victoria (Melbourne, Australie) (2015 – 2022) : ce centre de recherche met à profit mon expertise en physiologie de l'exercice dans la codirection d'étudiants de doctorat en cotutelle avec l'UL. Cette implication est critique puisqu'elle me permet d'augmenter mon expérience dans l'encadrement d'étudiants de 3^e cycle et d'élargir mes thématiques de travail et de maintenir de solides collaborations avec une centre de recherche de renommée mondiale.

- **Evaluation Committee member** for the 5th International Congress on Soldiers Physical Performance 2020 (ICSPP) held in Quebec City CAN February 11-14th 2020. I was part of the Review Team that reviewed and recommended acceptance for 15 abstracts.

COMMUNITY SERVICE THROUGH CONTRIBUTIONS TO PROFESSIONAL EDUCATION

- **Mentor pour le programme CDEE (conseil en développement des entraîneurs et de leur environnement)** de l'Institut national du sport du Québec (2023 – présent) : mentorat d'accompagnement des entraîneur·e·s au sein d'un écosystème complexe et en constante évolution, représentant une initiative unique et novatrice, et ce, tant au Canada qu'à l'international. Le projet vise à créer des opportunités de développement complémentaire qui vont au-delà des programmes de formation traditionnels afin que les membres de la

communauté sportive québécoise puissent innover dans leurs pratiques respectives, et ce, selon leur réalité contextuelle et régionale.

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Mentor pour le Programme de mentorat aux entraîneurs de Excellence Sportive Québec-Lévis (2021 – présent) : opportunité de développement et d'apprentissage, basée sur une relation interpersonnelle, volontaire, en dehors de la ligne hiérarchique, dans laquelle une personne d'expérience (le mentor) investit son expérience et son expertise pour favoriser le développement d'une autre personne (l'entraîneur mentoré). Les objectifs sont : améliorer les compétences de l'entraîneur en lien avec les facteurs de performance, améliorer les compétences de l'entraîneur en pédagogie sportive, ses habiletés relationnelles, son éthique de travail, son leadership, s'assurer du contenu scientifique, technique et technologique à jour au niveau international, créer une communauté des entraîneurs dans notre région.
- 
Chroniqueur pour l'Infolettre Ski de fond Québec (depuis octobre 2019) : Ski de fond Québec est une des plus grandes fédérations sportives reconnues par le ministère de l'Éducation et de l'Enseignement supérieur du Québec. L'infolettre compte environ 5000 lecteurs réguliers dans la Province. Mon rôle est d'écrire des chroniques sur des sujets touchant la physiologie de l'exercice et l'entraînement en général pour stimuler l'éveil scientifique des membres et rehausser les connaissances et savoir-faire des membres de la fédération.
- 
Formateur dans le Diplôme Avancé en Entraînement (DAE) de l'Institut national du sport du Québec (Montreal) (2017 – 2020): this professional diploma is a continuous education provided over one year dedicated to coaches from the province of Quebec. I am involved in several sections of the diploma to teaching the impact of extreme environments on physical and cognitive capacities as well as evaluation of the candidates.
- 
Formateur dans la Formation en Intervention et Innovation en Préparation Physique (FIIP) de l'Institut national du sport du Québec (Montreal) (2017 – 2019): this professional diploma is a continuous education provided over one year dedicated to strength and conditioning specialists and exercise physiologists from the province of Quebec. I am involved in several sections of the diploma to teaching the impact of extreme environments on physical and cognitive capacities as well as evaluation of the candidates.
- 
Formateur dans le Programme National de Certification des Entraîneurs (PNCE) de l'Association Canadienne des Entraîneurs (niveau compétition-développement) : intervention théorique et pratique sur les contenus d'entraînement, la planification de la charge d'entraînement et les adaptations physiologiques à l'entraînement pour cyclisme et ski de fond (moyenne de 2 formations de 4h chacune par année)
- 
Formateur dans la certification d'intervenant sportif CforC (2017 – present) : intervention théorique sur les filières énergétiques et leurs implications dans la performance, la planification de la charge d'entraînement, le surmenage et les techniques de récupération (moyenne de 6 formations de 3h chacune par année)

CONTRIBUTION TO SCIENTIFIC SUPPORT OF SPORT TEAMS

2022-present:

- 
Lead physiologist for provincial body Québec Speed Skating: physiologist of the Integrated Support Team (9 experts), support head coach with creation and implementation of HP environment (training plan for individual athletes, testing and evaluation, training load monitoring, data collection, contribution to program orientations, policies and guidelines implementation), support coach and athletes with research & innovation. Competition level: provincial, national, world cup, world champ, Olympic Games.

2019-present:

- 
Lead physiologist for Track & Field Provincial Center: physiologist of the Integrated Support Team (3 experts), support head coach with creation and implementation of HP environment (training plan for individual athletes, testing and evaluation, training load monitoring, data collection, contribution to program orientations, policies and guidelines implementation), support coach and athletes with research & innovation. Competition level: provincial, national, world cup, world champ, Olympic Games.

2017-present:

- **Lead physiologist** for Canoe-Kayak Canada Men's Kayak: physiologist on Integrated Support Team (7 experts), support head coach with creation and implementation of HP environment (training plan for individual senior athletes, testing and evaluation, training load monitoring, data collection, contribution to budget and program orientations, policies and guidelines implementation), liaise with other CKC groups and experts throughout the country, contribute to national program reviews by Own the Podium government body, support coaches and athletes with research & innovation, funding application to support R&I. Competition level: world cup, world champ, Olympic Games.

2015-present:

- **Lead physiologist** for Cross-country Ski Canada and Centre National d'Entraînement Pierre Harvey (national ski training center): physiologist on Integrated Support Team (5 experts), support head coach with creation and implementation of HP environment (training plan for individual athletes, testing and evaluation, training load monitoring, data collection, policies and guidelines implementation), liaise with other groups and experts throughout the country, support coaches and athletes with research & innovation, funding application to support R&I. Competition level: provincial, national, world cup, world champ, Olympic Games.

2016-2018:

- **Lead physiologist** for Short-track Speed Skating Canada: management of professionals to support coaches and athletes, support head coach with creation and implementation of HP environment (training plan for individual senior athletes, testing and evaluation, training load monitoring, data collection, budget, policies and guidelines implementation), contribute to national program reviews by Own the Podium government body, support coaches and athletes with research & innovation, funding application to support R&I. Competition level: world cup, world champ, Olympic Games.

2012-2018:

- **Lead physiologist** for Paracycling Canada: management of professionals to support coaches and athletes, support head coach with creation and implementation of HP environment (training plan for individual senior athletes, testing and evaluation, training load monitoring, data collection, budget, policies and guidelines implementation), contribute to national program reviews by Own the Podium government body, support coaches and athletes with research & innovation, funding application to support R&I. Competition level: world cup, world champ, Olympic Games.

2012-2014:

- **Lead physiologist and Lead of Integrated Support Team** (6 experts) for Swimming Canada sprint program: management of professionals to support coaches and athletes, support head coach with creation and implementation of HP environment (training plan for individual senior athletes, testing and evaluation, training load monitoring, data collection, budget, policies and guidelines implementation), contribute to national program reviews by Own the Podium government body, support coaches and athletes with research & innovation, funding application to support R&I. Competition level: national, world cup, world champ.



- **Lead physiologist and Lead of Integrated Support Team** (8 experts) for Water Polo Canadian Women's program: management of professionals to support coaches and athletes, support head coach with creation and implementation of HP environment (training plan for individual senior athletes, testing and evaluation, training load monitoring, data collection, budget, policies and guidelines implementation), contribute to national program reviews by Own the Podium government body, scientific support coaches and athletes with research & innovation, funding application to support R&I. Competition level: world cup, world champ, Olympic Games.

2010-2012:

- Collaborations with the Australian Institute of Sport
Roles: establishing strong & mutually-beneficial collaborations between my University and the major elite sport performance provider in Australia, collaborating in management and implementation of sport science programs and research projects to be conducted in the Olympic year, liaising with head coaches in Olympic Track Sprint Cycling and Olympic BMX Programs and Soccer to disseminate research information and enhance athletes' performances, supervising PhD students to bridge applied research and sport performance.



Note that Australia is number 1 nation in the world for track sprint cycling and BMX since 2009.

- Collaborations with two professional team-sport clubs (Melbourne Victory Soccer and Western Bulldog Football Club)

Roles: negotiated 2 full joint PhD scholarships between VU and the clubs to support traineeship and applied sport science research that fulfill clubs' needs. Advisory role on scientific and practical aspects of training.

- Scientific consultant (sport science) for the Accelerated Football Program

Roles: working closely with young football athletes to be drafted to national level, liaising with coaching team to enhance athlete performance, conduct physiological testing, implementing small research projects with undergraduate students.

- Administration of National Talent Identification sessions at Victoria University on behalf of the Australian Sports Commission

Roles: athlete testing (physical and physiological), reporting to coaches on testing carried out.

- Visited the US Olympic Training Center in Colorado Springs (Denver, CO) in Mai 2011 and met with Dr. Randall Wilber (Senior Sport Physiologist, Director of the Athlete Performance Lab).

2008 – 2009:

- Member on the Scientific Panel of the Alberta Sport Development Centre (sport science and physiology expert)
Roles: liaising with coaching team to implement strategies to enhance provincial athlete performance (track and field, running, rugby/soccer, mountain biking), athlete testing, developing and evaluating training plans for the team
- Involved in Alberta Whitewater Slalom Development Program with local and provincial clubs with athletes attending provincial and national races
Roles: coaching support
- Strength and Conditioning coach for the Lethbridge Track Club (distance runners and sprinters) – *Two athletes are 2009 High School Provincial Champions*

2006 – 2009:

- Sport Science consultant for the Pronghorn Women's and Men's Rugby and Soccer teams at the University of Lethbridge (Canada). Provincial and national level athletes – *Pronghorn Women's Rugby are 3-times Canadian Interuniversity Sport Champions (2006, 2007, 2008)*

2005 – 2006:

- Assistant fitness coach for a provincial Australian Football Club (Claremont, WA, Australia). Provincial and national level athletes

2003:

- Scientific support (PhD internship at Laval University) for a research project involving elite speed skaters and cross-country skiers from the Centre National d'Entrainement Pierre Harvey and the Centre National Gaëtan Boucher (project funded by the Centre National Multisport de Montréal and by Sports Internationaux de Québec).

2000 – 2003:

- Physiologist for the National Training Centre of Canoe-Kayak Slalom (Avignon, France). Regional and national level athletes.

COMMUNITY SERVICE THROUGH CONTRIBUTIONS TO APPLIED PROJECTS

- **2021-2022: Promoting health during classes in the COVID-19 pandemic.** Member of a multi-disciplinary team of physiologists, cardiologists and doctors that developed and implemented a large project raising awareness around sedentary and poor lifestyle habits during the COVID-19 world pandemic in students and professors. We developed several video capsules that were disseminated to the university community and then to varied secondary schools and colleges in the Quebec City area that promoted physical activity and movement during long class days. <https://www.fmed.ulaval.ca/faculte-et-reseau/a-surveiller/nouvelles/detail-dune-nouvelle/faire-bouger-les-etudiants-durant-les-cours-en-ligne/>

- **2020-2021: physiologist for AKOR Expedition.** AKOR is the longest north-south crossing of Canada ever attempted (7,600 km over 7 months by ski, canoe and bike). The ecosystems of the Arctic and sub-Arctic regions cover a large area of our planet. The research undertaken during this expedition aims to better understand the effect of climate change on the growth of northern forest ecosystems, but also to anticipate its effects on the southern boreal regions, one of the largest biomes on our precious planet. My role was to monitor the energy expenditure and exercise load of the crew members under extreme environmental conditions to further understand the psycho-physiological limits of humans.

COMMUNITY SERVICE THROUGH INVITED PRESENTATIONS TO VARIED SPORT ORGANISATIONS

1. Comment « s'entraîner » lorsqu'on ne s'entraîne pas ? Conférencier invité *Centre d'entraînement Gaétan Boucher*, Québec, Mai 2025
2. Environnements : mise à jour effets synergiques. Conférencier invité *Les RDV Excellence Sportive Quebec-Lévis*, Québec, Canada, Octobre 2024
3. Formations sur les méthodes de récupération. Intervenant invité, *Clinique de physiothérapie PCN Lévis*, Québec, Canada, Mai 2024
4. Table ronde d'experts. Forum recherche Québec. Intervenant invité *Rencontre sur le développement du sport au Québec*, Québec, Canada, November 2023
5. La récupération : pourquoi, quand, comment ? Conférencier invité *Centre d'entraînement Gaétan Boucher*, Québec, Novembre 2023
6. Filières énergétique et implications pour l'entraînement. Conférencier invité *Centre d'entraînement Gaétan Boucher*, Québec, June 2023
7. La récupération : pourquoi, quand, comment ? Conférencier invité *Les RDV Excellence Sportive Quebec-Lévis*, Québec, Canada, March 2022
8. Entraînement hypoxique : pertinence, efficacité et applications. Conférencier invité *Café Scientifique de l'Institut national du sport du Québec*, Montréal, Canada, december 2021
9. Training load and athlete status monitoring in track and field. Invited speaker *Fédération Québécoise d'Athlétisme*, Québec, Canada, April 2020
10. Mythes et réalités en entraînement sportif. Conférencier invité *Fédération Québécoise d'Athlétisme*, Montréal, Canada, novembre 2019
11. Optimising training adaptations: the importance of physiological monitoring. Keynote speaker *Cross-Country Ski Canada High Performance Seminar*, Canmore, Canada, May 2019
12. Blow-flow restriction to enhance training adaptations and performance. Keynote speaker *Cross-Country Ski Canada High Performance Seminar*, Canmore, Canada, May 2019
13. Optimiser l'entraînement : suivi et contrôle de la charge. Conférencier invité *Conférence annuelle CforC*, Québec, Canada, octobre 2019
14. Réussir sa récupération. Conférencier invité *Conférence annuelle CforC*, Québec, Canada, octobre 2019
15. Optimiser les adaptations : suivi et contrôle de la charge d'entraînement. Conférencier invité *Conférence annuelle CforC*, Québec, Canada, octobre 2018
16. Optimiser les adaptations : techniques de récupération. Conférencier invité *Conférence annuelle CforC*, Québec, Canada, octobre 2018
17. La restriction sanguine : un outil d'entraînement et de ré-athlétisation pertinent ? Conférencier invité *Les conférences scientifiques, Institut national du sport du Québec*, Montréal, Canada, mars 2018
18. Table ronde sur l'entraînement en Hockey. Conférencier invité *Formation des préparateurs physiques de Hockey Québec*, Québec, Canada, janvier 2018
19. La restriction sanguine : un outil d'entraînement et de ré-athlétisation. Conférencier invité *Formation des préparateurs physiques de Hockey Québec*, Québec, Canada, janvier 2018
20. Préparation à l'entraînement : surmenage et outils de prévention. Conférencier invité *Conférence annuelle CforC*, Québec, Canada, décembre 2017
21. Approche conceptuelle et techniques de récupération. Conférencier invité *Base militaire Valcartier*, Québec, Canada, mars 2017
22. Suivi de l'état de forme et surentraînement. Conférencier invité *Base militaire Valcartier*, Québec, Canada, mars 2016
23. Se préparer à une compétition en considérant les facteurs environnementaux. Conférencier invité *RDV des Entraîneurs*, Montréal, Canada, septembre 2016
24. Gestion de l'énergie en sports collectifs. Conférencier invité *Hockey QC*, Quebec, Canada, février 2015

25. Suivre l'entraînement pour favoriser les adaptations. Conférencier invité Société de Préparation physique Actiforme Consultants, Montréal, Canada, avril 2014
26. Physiologie de la performance sportive : fatigue neuromusculaire et planification. Conférencier invité Compétition-Développement Cyclisme, Bromont, Canada, février 2014
27. Physiology of intermittent exercise. Invited Speaker Alberta Sport Development Centre – Southwest, 2009
28. Muscle fatigue in team-sports. Keynote Speaker UofL Pronghorns' Women Rugby Association, 2009

NON-REFEREED PUBLICATIONS DISSEMINATED TO THE COMMUNITY

1. Correa D, **Billaut F** (2025). Rapport projet Synergique Fédération Biathlon Québec. *Rapport Biathlon Québec*, Montréal, Canada
2. Guézennec J, **Billaut F** (2025). Rapport projet Synergique Fédération Ski de fond Québec. *Rapport Ski de fond Québec*, Montréal, Canada
3. **Billaut F** (février 2021). L'économie de mouvement en ski de fond. *Infolettre ski de fond Québec*
4. **Billaut F** (février 2021). Développer l'endurance en ski de fond. *Infolettre ski de fond Québec*
5. **Billaut F** (janvier 2021). VO₂max : les intervalles longs à haute intensité. *Infolettre ski de fond Québec*
6. **Billaut F** (janvier 2021). Comprendre la physiologie pour mieux s'entraîner – introduction. *Infolettre ski de fond Québec*
7. **Billaut F** (novembre 2019). Un outil simple et fiable pour suivre la charge d'entraînement. *Infolettre ski de fond Québec*
8. **Billaut F** (mars 2019). Survolter vos entraînements avec l'hypoxie. Capsule Instagram *Excellence Sportive Québec-Lévis*
9. **Billaut F** (February 2017). Ajouter de l'hypoxie à vos séances pour innover en preparation physique. Website *Excellence Sportive Québec-Lévis*
10. **Billaut F** (February 2017). Optimiser la préparation physique avec l'entraînement en altitude. Website *Excellence Sportive Québec-Lévis*
11. **Billaut F** (2012). L'effort produit au cours de sprints répétés dépend du nombre de sprints à exécuter. Website *Savoir Sport*

COMMUNITY SERVICE THROUGH APPEARANCE IN MEDIAS

2025:

- Article The Athletic UK, New York Times (decembre 2025): *Altitude and soccer*
- Article site web Faculté de médecine, UL Nouvelles (mars 2025) : *Intervalles à haute intensité avec restriction du flot sanguin : une combinaison gagnante*

2024:

- Podcast radio UPIKA sur Spotify (september 2024): *Altitude vs chaleur: quel est le meilleur protocole?*
- Article site web Faculté de médecine, UL (juillet 2024) : *Les bains chauds : alliés des athlètes*
- TV interview Solution Media, Docu-réalité, Radio Canada (mars 2024): *Qu'est ce qui se passe quand – on retient son souffle ?*

2022:

- Article New York Times (June 2022): *Kayaking: an outdoor adventure and a full-body workout*

2021:

- TV interview ICI Explora et Productions Datsit Sphère, Radio Canada (avril 2021): *Les aventures du Pharmacien : le jus de betterave et la performance humaine*
- Article site web Faculté de médecine, UL (avril 2021) : *La capsaïcine pimenterait les performances sportives*
- Article dans Kmag (running newspaper, February 2021) : *Apnéique*
- Article site web Faculté de médecine, UL (February 2021) : *Bouger pendant les cours en ligne*
- Article site web Excellence Sportive Québec-Lévis (février 2021) : *L'entraînement avec occlusion sanguine*

2020:

- Article Nature Humaine (sport science website, December 2020) : *Moins d'oxygène pour une performance accrue*
- Article La Presse (web newspaper, December 2020): *Myriam Paquette : mettre la science au service des athlètes*

- Radio Canada radio interview (October 2020): *La science au service des records du monde en athlétisme*
- Télé-Québec jeu télévisé Génial (août 2020): contribution à la rédaction d'une fiche d'information sur le thème « *Durant quelle activité le sang risque-t-il d'être le plus acide ?* »
- Article site web Faculté de médecine, UL (août 2020) : *Capsaïcine et course à pieds : la preuve reste à faire*
- 2019:**
 - Article site web Faculté de médecine, UL (juillet 2019) : *Les mots qui courent : la recherche en kinésiologie*
 - Article Québec Science (CAN revue, avril 2019): *Plongée en apnée: un pari risqué ?*
- 2018:**
 - Article le FIL (vol 54, issue 6, November 2018, Université Laval newspaper): *Prendre son gaz égal*
 - Article La Presse (web newspaper, May 2018, pp 54-55) : *L'apnée sportive – un nouveau souffle*
 - Article Vélo Mag (newspaper, March-April 2018, pp 54-55) : *Le cerveau dictateur*
 - Article The Globe and Mail (CAN newspaper, February 2018): *Holding your breath during training can improve performance*
 - Article The New Yorker (US newspaper): *Pushing the limits of extreme breath-holding*
- 2017:**
 - Article le FIL (vol 53, issue 10, Université Laval newspaper): *Des cerveaux à bout de souffle ?*
 - Article Vélo Mag (newspaper, juillet-août 2017, pp 56-57) : *L'entraînement à la chaleur pour améliorer les performances*
 - Article Géo Plein Air (newspaper) : *La marche Nordique est-elle aussi efficace qu'on le dit ?*
 - Article le FIL (vol 52, issue 25, Université Laval newspaper): *Survolter ses performances avec la neurostimulation transcutanée*
- 2016:**
 - TV interview TVA Sports, Radio Canada: *L'entraînement en altitude pour les athlètes*
 - Article in Le Soleil (newspaper): *Une chambre hypoxique pour l'élite*
 - TV interview Discovery channel: *Benefits of hypoxic training for Mont Everest conquest (with alpinist and conference speaker Gabriel Filipi)*
 - Article le FIL (vol 51, issue 20, Université Laval newspaper): *Quand l'entraînement prend de l'altitude*
- 2015:**
 - TV interview ICI Explora, Radio Canada: *Monsieur Homme (with strong man J-F Caron)*
 - Article in Journal de Québec (newspaper): *L'altitude artificielle pour améliorer les performances*
 - TV interview Télé Journal Radio Canada: *Défi santé sur Facebook : comment choisir le bon?*
 - Article in VéloMag (sport magazine): *L'altitude ne manque pas d'air*
- 2014:**
 - Interview in Espaces (sport magazine): *Recovery aids for optimal physical performance*
- 2013:**
 - TV interview TéléQuébec (Une pilule, une petite granule): *Benefits of interval training*
 - TV interview Radio Canada Sport: *Compression garments for recovery in elite sport*
 - Interview on altitude training in the Globe & Mail (national newspaper): *A primer on the highs and lows of altitude training*
 - Interview on altitude training on website SweatScience: *Live low, train high: controversies, doubt and new ideas in altitude training*
- 2012:**
 - Interview on community involvement and role in the Accelerated Football Program: Channel 9 national TV (TV show - "Futures Footy Show")
 - Interview on BMX Supercross research activity on the Victoria University website front page and VU Research Matters bulletin
 - Les limites du corps humain. Magasine "Espaces"
- 2011:**
 - Interview on altitude training in the Sunday Herald Sun (national newspaper): *Living the high life* <http://www.australasianscience.com.au/article/issue-september-2011/higher-calling-does-altitude-training-work.html>
 - Interview for the Dutch High Performance Delegation at VU on research activity
 - A higher calling, but does altitude training work? Online Media "Australasian Science"
 - A higher calling, but does altitude training work? Online Media "The Conversation"

2009:

- Interview on research activity on Lethbridge Global TV news (*TV News Hour*)
- Interview on research activity on Radio Country 95.5 FM (*News Broadcast*)
- Interview on research activity in the Lethbridge Herald (front page of local newspaper)

2008:

- Interview on research activity in the Lethbridge Herald (local newspaper)
- Sport Science consultant for the Alberta Sport Development Centre (responsibilities included: liaising with coaching team to enhance athlete performance, athlete testing, developing, implementing and evaluating training plans for the team)
- Master of Ceremony for the CIS Women's Rugby Championships Awards Banquet (Lethbridge)

2007:

- Live interview on research activity on CBC radio (*Wild Rose Country show*)
- Interview on research activity in the University newspaper (*The Legend*)

2006 to 2008:

- Participation in the *Canadian Biochemistry, Cell and Molecular Biology Newsletter*
- Participation in *CAANCB – ANCHOR scientific journal* (natural sciences, neurobiology)

Song Fang

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Research Interests

Cyber-Physical Systems (CPS) and Internet of Things (IoT) Security and Privacy; Wireless and Mobile System Security; Application of Machine Learning and Artificial Intelligence (AI) in Cybersecurity; Mobile Computing; Smart Healthcare

Education

Ph.D., Computer Science and Engineering Aug. 2013 - Aug. 2018
University of South Florida (USF), Tampa, FL
M.Eng., Communication and Information System Aug. 2011 - Aug. 2013
Beijing University of Posts and Telecommunications (BUPT), Beijing, China
B.Eng. in Information Engineering, Minor in Computer Science Sep. 2007 - Jul. 2011
South China University of Technology (SCUT), Guangzhou, China

Work Experience

Associate Professor Jul. 2024 - Present
School of Computer Science, University of Oklahoma (OU), Norman, OK
Assistant Professor Aug. 2018 - Jun. 2024
School of Computer Science, University of Oklahoma (OU), Norman, OK

Publications

The asterisk (*) marks student advised by me.

Journals: IEEE TDSC (3), IEEE TMC (3), IEEE TIFS (1), IEEE/ACM ToN (2), and IEEE COMST (1).

- [J1] Qiuye He*, Edwin Yang*, **Song Fang**, and Shangqing Zhao
Revisiting Wireless Breath and Crowd Inference Attacks with Defensive Deception
In IEEE/ACM Transactions on Networking (ToN), vol. 32, no. 6, pp. 4976-4988, 2024.
- [J2] Qiuye He*, Edwin Yang*, and **Song Fang**
A Survey on Human Profile Information Inference via Wireless Signals
In IEEE Communications Surveys & Tutorials (COMST), vol. 26, no. 4, pp. 2577-2610, 2024.
- [J3] Yan He*, Qiuye He*, **Song Fang**, and Yao Liu
Precise Wireless Camera Localization Leveraging Traffic-aided Spatial Analysis
In IEEE Transactions on Mobile Computing (TMC), vol. 23, no. 6, pp. 7256-7269, 2024.
- [J4] Qiuye He*, **Song Fang**, Tao Wang, Yao Liu, Shangqing Zhao, and Zhuo Lu
Proactive Anti-Eavesdropping With Trap Deployment in Wireless Networks
In IEEE Transactions on Dependable and Secure Computing (TDSC), vol. 20, no. 1, pp. 637-649, January/February 2023.

- [J5] Edwin Yang*, **Song Fang**, Ian Markwood, Yao Liu, Shangqing Zhao, Zhuo Lu, and Haojin Zhu
Wireless Training-free Keystroke Inference Attack and Defense
In IEEE/ACM Transactions on Networking (ToN), vol. 30, no. 4, pp. 1733-1748, 2022.
- [J6] **Song Fang**, Ian Markwood, and Yao Liu
Wireless-Assisted Key Establishment Leveraging Channel Manipulation
In IEEE Transactions on Mobile Computing (TMC), vol. 20, no. 1, pp. 263-275, 2021.
- [J7] Tao Wang, Yao Liu, Tao Hou, Qingqi Pei, and **Song Fang**
Signal Entanglement based Pinpoint Waveforming for Location-restricted Service Access Control
In IEEE Transactions on Dependable and Secure Computing (TDSC), vol. 15, no. 5, pp. 853-867, September/October 2018.
- [J8] **Song Fang**, Yao Liu, Wenbo Shen, Haojin Zhu, and Tao Wang
Virtual Multipath Attack and Defense for Location Distinction in Wireless Networks
In IEEE Transactions on Mobile Computing (TMC), vol. 16, no. 2, pp. 566-580, 2017.
- [J9] **Song Fang**, Yao Liu, and Peng Ning
Mimicry Attacks against Wireless Link Signatures and the New Defense using Time-Synched Link Signatures
In IEEE Transactions on Information Forensics and Security (TIFS), vol. 11, no. 7, pp. 1515-1527, July 2016.
- [J10] **Song Fang**, Yao Liu, and Peng Ning
Wireless Communications under Broadband Reactive Jamming Attacks
In IEEE Transactions on Dependable and Secure Computing (TDSC), vol. 13, no. 3, pp. 394-408, May/June 2016.
- Conferences: ACM CCS (3), NDSS (1), ACM MobiCom (1), ACM MobiSys (1), IEEE INFOCOM (1), PETS/PoPETs (1), RAID (2), ACSAC (1), EAI MobiQuitous (1, Best Paper Award), IEEE CNS (3), IEEE MASS (1), AutoSec (1), IEEE/ACM CHASE (1), etc.**
- [C1] Yan He*, Guanchong Huang*, and **Song Fang**
PhantomMotion: Laser-Based Motion Injection Attacks on Wireless Security Surveillance Systems
In the Network and Distributed System Security Symposium (NDSS 2026), pp. 1-18, 2026.
(Acceptance Rate: $113/646=17.5\%$)
- [C2] Guanchong Huang* and **Song Fang**
SilhouetteTell: Practical Video Identification Leveraging Blurred Recordings of Video Subtitles
In the 26th Privacy Enhancing Technologies Symposium (PETS/PoPETs 2026), pp. 1-16, 2026.
(Acceptance Rate: $53/225=23.6\%$)
- [C3] Guanchong Huang*, Yan He*, Shangqing Zhao, Yi Wu, and **Song Fang**
MotionDecipher: General Video-assisted Passcode Inference In Virtual Reality
In the 28th International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2025), Gold Coast, Australia, pp. 298-313, 2025.
(Acceptance Rate: $62/281=22.1\%$)
- [C4] Edwin Yang*, Guanchong Huang*, and **Song Fang**
CommanderGPS: Practical Hidden Command Dissemination Through Pedal Operations
In IEEE Conference on Communications and Network Security (IEEE CNS'24), pp. 1-9, 2024.
(Acceptance Rate: $35/119=29.4\%$)

- [C5] Yan He*, Qiuye He*, **Song Fang**, and Yao Liu
When Free Tier becomes Free to Enter: A Non-Intrusive Technique to Identify Security Cameras with no Cloud Backup Subscription
 In the 30th ACM Conference on Computer and Communications Security (ACM CCS'23), pp. 651-665, Nov 2023, Copenhagen, Denmark. (The first two authors are co-first authors)
 (Acceptance Rate: $234/1222=19.1\%$)
 →**Artifacts**: Project: WeakCamID; url: <https://weakcamid.info/>
- [C6] Qiuye He* and **Song Fang**
Phantom-CSI Attacks against Wireless Liveness Detection
 In the 26th International Symposium on Research in Attacks, Intrusions, and Defenses (RAID 2023), pp. 440-454, October 2023.
 (Acceptance Rate: $50/213=23.5\%$)
- [C7] Jinmiao Chen, Zhaohe (John) Zhang*, Shangqing Zhao, **Song Fang**, Thomas M. Peters, Evan L. Floyd, and Changjie Cai
A Data-Driven Respirator Fit Test Model via Human Speech Signal
 In IEEE/ACM international conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE), 2023.
 (Acceptance Rate: $36/103=35.0\%$)
- [C8] Qiuye He*, Edwin Yang*, **Song Fang**, and Shangqing Zhao
HoneyBreath: An Ambush Tactic Against Wireless Breath Monitoring
 In EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (EAI MobiQuitous'22), pp. 203-226, Nov 2022, Pittsburgh, PA.
[Best Paper Award]
- [C9] Edwin Yang*, **Song Fang**, and Dakun Shen
DASK: Driving-Assisted Secret Key Establishment
 In IEEE Conference on Communications and Network Security (IEEE CNS'22), pp. 73-81, 2022, Austin, TX.
 (Acceptance Rate: $43/122=35.2\%$)
- [C10] Edwin Yang*, Qiuye He*, and **Song Fang**
WINK: Inferring Numeric Keystrokes from Spatiotemporal Features of Wireless Signals
 In the 29th ACM Conference on Computer and Communications Security (ACM CCS'22), pp. 3033-3047, Nov 2022, Los Angeles, CA.
 (First Review Cycle; Acceptance Rate: $17.9\%=58/324$)
 →**Artifacts**: Project: WINK; url: <https://projectwink.info>
- [C11] Edwin Yang* and **Song Fang**
GPSKey: GPS based Secret Key Establishment for Intra-Vehicle Environment
 In Fourth International Workshop on Automotive and Autonomous Vehicle Security (AutoSec), 8 pages, co-located at NDSS 22, 2022.
 (Acceptance Rate: $39.1\%=9/23$)

- [C12] Zhaohe (John) Zhang*, Edwin Yang*, and **Song Fang**
CommanderGabble: A Universal Attack Against ASR Systems Leveraging Fast Speech
 In the Annual Computer Security Applications Conference (ACSAC'21), pp. 720–731, 2021.
 (Acceptance Rate: $24.5\% = 80/326$)
 →**Artifacts**: Project: CommanderGabble; url: <https://commandergabble.info> (**ACM Artifacts Evaluated badge**)
- [C13] Yan He*, Qiuye He*, **Song Fang**, and Yao Liu
MotionCompass: Pinpointing Wireless Camera Via Motion-activated Traffic
 In the 19th ACM International Conference on Mobile Systems, Applications, and Services (ACM MobiSys'21), pp. 215–227, 2021.
 (Acceptance Rate: $36/166 = 21.7\%$)
 →**Artifacts**: Project: MotionCompass; url: <http://motioncompass.info> (**ACM Artifacts Evaluated badge**)
- [C14] Yan He*, Hanyan Zhang*, Edwin Yang*, and **Song Fang**
Virtual Step PIN Pad: Towards Foot-input Authentication Using Geophones
 In IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS'2020), pp. 649–657, 2020.
 (Acceptance Rate: $29.7\% = 65/219$)
- [C15] **Song Fang**, Tao Wang, Yao Liu, Shangqing Zhao, and Zhuo Lu
Entrapment for Wireless Eavesdroppers
 In IEEE International Conference on Computer Communications (IEEE INFOCOM'19), pp. 2530–2538, 2019, Paris, France.
 (Acceptance Rate: $19.7\% = 288/1464$)
- [C16] **Song Fang**, Ian Markwood, Yao Liu, Shangqing Zhao, and Zhuo Lu, and Haojin Zhu
No Training Hurdles: Fast Training-Agnostic Attacks to Infer Your Typing
 In the 25th ACM Conference on Computer and Communications Security (ACM CCS'18), pp. 1747–1760, 2018, Toronto, Canada.
 (Acceptance Rate: $16.56\% = 134/809$)
- [C17] **Song Fang**, Ian Markwood, and Yao Liu
Manipulatable Wireless Key Establishment
 In IEEE Conference on Communications and Network Security (IEEE CNS'17), pp. 393–401, October 2017, Las Vegas, NV.
 (Acceptance Rate: $29.9\% = 41/137$)
- [C18] **Song Fang**, Yao Liu, Wenbo Shen, and Haojin Zhu
Where Are You From? Confusing Location Distinction Using Virtual Multipath Camouflage
 In the 20th Annual International Conference on Mobile Computing and Networking (ACM MobiCom'14), pp. 225–236, September 2014, Maui, Hawaii.
 (Acceptance Rate: $16.36\% = 36/220$)
- [C19] **Song Fang**, Yao Liu, Wenbo Shen, and Haojin Zhu
Virtual Multipath Attacks against Location Distinction in Wireless Networks
 In ACM Wireless of the Students, by the Students, for the Students (S3) Workshop, September 2014, Maui, Hawaii. (Invited paper)

- [C20] **Song Fang** and Tao Luo
A Novel Two-timer-based Broadcast Routing Algorithm for Vehicular Ad-hoc Networks
 In IEEE International Conference on Green Computing and Communications (GreenCom), and
 IEEE Internet of Things (iThings), and IEEE Cyber, Physical and Social Computing (CPSCom),
 pp.1518-1522, 2013.
- [C21] Ruina Liu, Tao Luo, Lei Zhang, Jianfeng Li, and **Song Fang**
A Forwarding Acknowledgement Based Multi-hop Broadcast Algorithm in Vehicular Ad Hoc Networks
 In IEEE International Conference on Computer Science and Network Technology (ICCSNT), pp.
 1258-1262, 2012.

Posters:

- [P1] Jinmiao Chen, Zhaohe (John) Zhang*, Shangqing Zhao, **Song Fang**, Thomas M. Peters, Evan L. Floyd, and Changjie Cai
Poster: Noninvasive Respirator Fit Factor Inference by Semi-Supervised Learning
 In IEEE/ACM international conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE), 2023.
- [P2] Edwin Yang*, **Song Fang**, Christan Grant, and Le Gruenwald
Poster: PhotoLock: Autonomous Privacy-preserving Photo Sharing in Online Social Networks
 In Network and Distributed System Security Symposium (NDSS), February 2020, San Diego, CA.

Other Publications:

- [O1] **Song Fang**
Channel Camouflage and Manipulation Techniques in Wireless Networks
 Ph.D. Dissertation, University of South Florida, 2018.

Patents

- [1] Song Fang, Yan He, and Qiuye He, “Method and Apparatus for Determining Locations of Wireless Cameras,” **Granted US Patent: US12423856B2** (URL: <https://patents.google.com/patent/US12423856B2/en>); Application granted: 09/25/2025.
- [2] Song Fang, Yan He, and Qiuye He, “System and Method for Detecting Non-Subscription Security Cameras,” US Patent (U.S. Provisional Application No. 63/712,854), status: filed non-provisional application in 2025 (initial public disclosure in 2024).
- [3] Song Fang, Zhaohe Zhang, and Edwin Yang, “Method for Generating Adversarial Audio based on Fast Speech,” US Patent (provisional application), serial No.: 63/431,545.

Funding Experience

- * (Total: \$1,509,072; personal share: \$1,472,072)
- ** External:
- [1] NSF. *SaTC: CORE: Small: Revolutionizing Wireless Inference Attacks and Defenses via Channel Analysis and Manipulation*. \$600,000, 10/2025-09/2028. (PI 100%)
- [2] NSF. *SaTC: CORE: Small: Exploiting Stimulus-response Correlation for Wireless Hidden Device Localization*. \$516,000 (including \$16,000 for an REU supplement), 10/2022-09/2026. (PI 100%)
- [3] NSF. *CRII: SaTC: Towards Understanding Typing Privacy: Vulnerabilities and Protection*. \$190,847 (including \$16,000 for an REU supplement), 03/2020-02/2022. (PI 100%)
- [4] Google Cloud. *Google Cloud Education Credits*. \$3,250, 09/2021-09/2022. (PI 100%)

- [5] (**Travel**) ARO. *ARO Student Travel Grant for 2022 and 2023 IEEE Symposium on Security and Privacy (IEEE S&P)*. \$30,000, 03/2022-02/2024. (PI 100%).
- [6] (**Travel**) NSF. *NSF Student Travel Grant for 2022 and 2023 IEEE Symposium on Security and Privacy (IEEE S&P)*. \$25,000×2, 03/2022-02/2023, 03/2023-02/2024. (PI 100%).
- ** Internal:**
- [7] NSF ART: InTRO (Intensifying Translation of Research in Oklahoma) STAR-D (Departmental Stimulation & Translation of Academic Research). *Building a Multidomain Translational Pathway for Research-to-Practice in Computing*. Mohammed Atiquzzaman, Song Fang, Ze Shi Li, Ziming Liu, Marmar Moussa, Jie Cao, and Shangqing Zhao. \$20,000, 01/2026-12/2026. (Co-PI; the funding is used to support departmental translational research efforts)
- [8] OU Office of the Vice President for Research and Partnerships. *FY22 OU Faculty Investment Program Award: Enabling Non-invasive Mouth Breathing During Sleep Using Ubiquitous Sensors*. \$15,000, 04/2022-03/2023. (PI 100%).
- [9] OU Office of the Vice President for Research and Partnerships. *FY21 OU Junior Faculty Research Award: Exploiting Motion-activated Traffic for Wireless Camera Localization*. \$9,401, 03/2021-02/2022. (PI 100%)
- [10] Dean's Office, OU Gallogly College of Engineering. *Strategic Research GA Support*. \$11,250 (Spring 2021) + \$9,000 (Fall 2022). (PI 100%)
- [11] OU Office of the Vice President for Research & Partnerships. *Co-Advisor: COVID-19 Rapid Response Research Seed Grant*. Dean F. Hougen, Michael Mumford, Sridhar Radhakrishnan, Aaron M. Wendelboe, Song Fang, and Anindya Maiti. \$27,000, 05/2020-10/2020. (Co-PI; \$10,000 used for supporting my student)
- [12] OU Office of the Vice President for Research and Partnerships. *FY20 OU Junior Faculty Research Award: Non-invasive Attacks on Keystrokes: New Vulnerabilities and Defenses*. \$9,324, 2020-2021. (PI 100%).
- [13] OU Provost's Office. *2020-21 Presidential Dream Course (Computer Security) Proposal*. \$18,000, 2020. (PI 100%)

Media Coverage

Wireless Inference Attacks and Defenses:

- OU News: Newly Funded Research to Develop Defenses Against Wireless Inference Threats, October 2025.
Link: <http://ou.edu/news/articles/2025/october/research-to-develop-defenses-against-wireless-inference-threats>

Privacy Protection via Detecting Hidden Cameras:

- Sooner Magazine: Sight Unseen: OU researchers are lifting the curtain on high-tech voyeurism and 'the universe of things'.
Link: <https://soonermag.oufoundation.org/stories/sight-unseen>, Fall 2023.
- KOCO 5 Video News: Researcher at OU developing app to detect hidden cameras, Nov 2022.
Link: <https://www.koco.com/article/oklahoma-research-app-detect-hidden-cameras/41959062>
- FOX News: OU studying privacy of listening smart devices, Nov 2022.
Link: <https://www.fox23.com/news/ou-studying-privacy-listening-smart-devices/EIKZ4W5CSRBI3IRUEXGZVXDHMI/>
- OU News: Study Aims to Improve Privacy From Digitally Enabled Hidden Devices, Nov 2022.
Link: <https://ou.edu/research-norman/news-events/2022/university-of-oklahoma-study-aims-to-improve-privacy-from-digitally-enabled-hidden-devices>

Side Channel Attacks Targeting Keystrokes:

- USF News: Stopping Hacks Before They Start, Dec 2018.
Link: <https://www.usf.edu/news/2018/stopping-hacks-before-they-start.aspx>

■ Awards

- Aug. 2024 **Bug Bounty**, Arlo Technologies
- Jun. 2023 **Bug Bounty**, Arlo Technologies
- Nov. 2022 **Best Paper Award**, EAI MobiQuitous 2022
- Aug. 2022 **Fall 2022 College of Engineering Strategic Research Incentive GRA**, OU
- Apr. 2022 **Faculty Investment Program Award**, Office of the Vice President for Research and Partnerships, OU
- Mar. 2021 **FY21 Junior Faculty Research Award**, Office of the Vice President for Research and Partnerships, OU
- Dec. 2020 **Spring 2021 College of Engineering Strategic Research Incentive GTA**, OU
- Mar. 2020 **CRII award**, NSF
- Mar. 2020 **FY20 Junior Faculty Research Award**, Office of the Vice President for Research and Partnerships, OU
- Feb. 2020 **Computer Security course was selected as an OU Presidential Dream Course for Fall 2020 (deferred to Fall 2021 due to COVID-19)**, Provost's Office, OU
- Jun. 2019 **IEEE CNS Travel Grant for Junior Researcher**, Army Research Office
- Oct. 2018 **NSF Computing Systems Research (CSR) PI Meeting Travel Grant**, NSF
- Oct. 2017 **IEEE CNS Travel Grant**, NSF
- Jul. 2017 **NSF NeTS Early Career Workshop Travel Grant**, NSF
- Sep. 2014 **ACM MobiCom Travel Grant**, NSF
- Sep. 2014 **ACM S3 Travel Grant**, NSF

■ Talks

- [1] MotionDecipher: General Video-assisted Passcode Inference In Virtual Reality
[October 2025] RAID'25, Gold Coast, Australia.
- [2] When Free Tier becomes Free to Enter: A Non-Intrusive Technique to Identify Security Cameras with no Cloud Backup Subscription
[November 2023] ACM CCS'23, Copenhagen, Denmark.
- [3] Phantom-CSI Attacks against Wireless Liveness Detection
[October 2023] RAID'23, Hong Kong.
- [4] Three Minute Talk of Faculty Research
[Feb 2023] General Faculty Meeting, College of Engineering, OU.
- [5] Finding Hidden Eyes and Ears Around Us in the IoT Era
[April 2022] Industry and Government Day 2022, OU.
- [6] Cyber Security, and 5G Intersection
[January 2020] AT&T 5G, Cyber and Radar Visit, OU.
- [7] Panelist on Computing Security and Privacy Discussion Panel
[March 2019] School of Computer Science, OU.
- [8] No Training Hurdles: Fast Training-Agnostic Attacks to Infer Your Typing
[October 2018] ACM CCS'18, Toronto, Canada.
- [9] Manipulatable Wireless Key Establishment
[October 2017] IEEE CNS'17, Las Vegas, NV.

- [10] Virtual Multipath Attack and Defense for Location Distinction in Wireless Networks
[November 2015] Security seminar, Dept. of Computer Science & Engineering, USF.
- [11] Where Are You From? Confusing Location Distinction Using Virtual Multipath Camouflage
[September 2014] ACM MobiCom'14, Maui, Hawaii.
- [12] Virtual Multipath Attacks against Location Distinction in Wireless Networks
[September 2014] ACM S3 Workshop 2014, Maui, Hawaii.

Teaching

- [1] CS 5970: Principles & Design of IoT Systems, OU, Spring 2026.
- [2] CS 5903: Perspectives on Computing, OU, Fall 2025.
- [3] CS 4173/5173-995: Computer Security, online course, OU, Summer 2025.
- [4] CS 3113: Intro to Operating Systems, OU, Spring 2022-2024 & Fall 2023-2024.
- [5] CS 5173/4173: Computer Security, OU, Fall 2018-2020 & Fall 2022-2024.
- [6] OU Presidential Dream Course: CS 5173/4173: Computer Security, OU, Fall 2021.
- [7] CS 5173-999: Computer Security, online course, OU, Fall 2021-2023.
- [8] CS 5970: Embedded Systems Security, OU, Spring 2020 & Spring 2021.

Student Advising

Current Ph.D. Students:

- Yan He, Spring 2023 - Present.
- Guanchong Huang, Summer 2023 - Present.
- Kepeng Zhou, Fall 2025 - Present.
- Boyu Qu, Fall 2025 - Present.

Current M.S. Students:

- Kyumin Lee, Fall 2025 - Present (thesis-based).
- Skyler D. Riggle, Fall 2024 - Present (research project).

Current NSF REU Students:

- Lyndsey Dong, Summer 2025 - Present.
 - Engineering Research Fellowship Awardee, OU Gallogly College of Engineering, \$3,000, 2025
- Matthew Agron, Summer 2025 - Present.

Alumni:

* Graduate:

- Qiuye He, Ph.D., Fall 2019 - Spring 2024; join the University of Missouri - Kansas City as a tenure-track assistant professor in Fall 2024
 - PhD Recruitment Excellence Fellowship Awardee, OU Gallogly College of Engineering, \$5,000, 2019
 - Alumni Graduate Fellowship, OU CS, \$1000, 2022
 - Dissertation Excellence Award, OU Gallogly College of Engineering, \$5,000, 2024
- Edwin Yang, Ph.D., Fall 2019 - Summer 2024
 - OU CS Alumni Graduate Fellowship, \$1000, 2022
- Yan He, thesis-based M.S., defended in Fall 2022
- Yan Zhou, thesis-based M.S., defended in Fall 2024
- Zhaohe (John) Zhang, M.S., Fall 2019 - March 2021 (Join the U.S. Army)
- Venkat Tarun Adda, Summer 2025 (research project)

* Undergraduate (9):

- Kyumin Lee, B.S. (NSF REU), Summer 2025

- Jarrett C. Strow, B.S. (NSF REU), Fall 2024
- Skyler D. Riggle, B.S. (NSF REU), Spring 2024
- Charles Creighton Cornelison (NSF REU), Fall 2023
- Yan Zhou, B.S. (NSF REU), Spring 2022 (Become a thesis-based M.S. student in our group)
- Yan He, B.S., Spring 2020 (Become an M.S./Ph.D. student in our group)
- Hanyan Zhang, B.S. (Major: Petroleum Engineering, Minor: Computer Science), Spring 2021
- Zaki Refai, B.S., Spring 2020 (First employment: Shipt)
- Adrian Deloera, B.S., Spring 2021 (First employment: Paycom)

Professional Activities

Departmental Services:

- Committee A, Aug. 2024 - present (two-year term).
- Faculty Search Committee Chair, 2023-2024, and 2024-2025.
- Computing Committee, 2020-2021, 2021-2022, and 2023 - present.
- Research Committee, 2022-2023.
- Faculty Evaluation Committee (Special Committee), April 2021-August 2022.
- Undergraduate Recruitment and Engagement Committee, 2019-2020.
- Graduate Recruitment/Engagement Committee, 2018-2019.

Journal Editorship:

- Associate Editor, IEEE Transactions on Dependable and Secure Computing (TDSC), Feb. 2025 - present.

Organizing Committee:

- General Chair, the Central Area Networking and Security Workshop (CANSec) 2024.
- Student Travel Committee Chair, IEEE Symposium on Security and Privacy (S&P) 2022 and 2023.
- Publicity Chair, EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous) 2022.

Proposal Review:

- NSF Panelist, 2024.
- NSF Ad Hoc Reviewer, 2021.

Session Chair:

- International Symposium on Research in Attack, Intrusions and Defenses (RAID) 2025.
- IEEE Conference on Communications and Network Security (CNS) 2022.
- IEEE International Conference on Computer Communications (INFOCOM) 2021 and 2022.

Technical Program Committee:

- ACM Conference on Computer and Communications Security (CCS) 2024 and 2026.
- Network and Distributed System Security (NDSS) Symposium 2026.
- IEEE European Symposium on Security and Privacy (EuroS&P) 2025 and 2026.
- International Conference on Computer Communications and Networks (ICCCN) 2023, 2025, and 2026.
- International Symposium on Research in Attack, Intrusions and Defenses (RAID) 2025.
- ACM ASIA Conference on Computer and Communications Security (ASIACCS) 2025.
- IEEE Military Communications Conference (MILCOM) 2025.
- IEEE Conference on Communications and Network Security (CNS) 2020-2025.
- IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS) 2022, 2023, and 2025.
- IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom) 2024.

- IEEE International Conference on Computer Communications (INFOCOM) 2021-2023.
- IEEE International Conference on Communications (ICC) 2023.
- IEEE/ACM International Symposium on Quality of Service (IWQoS) 2022.
- International Conference on Network and System Security (NSS) 2020, 2021, and 2022.
- The 10th International Workshop on Security, Privacy, Trust, and Machine Learning for Internet of Things (IoTSPT-ML) 2020.
- Security and Privacy in Edge Computing Workshop (EdgeSP) 2018 and 2019.

Invited Participant:

- NSF Workshop on Next-G Security 2020.
- NSF Computing Systems Research (CSR) PI Meeting 2018.
- NSF NeTS Early Career Workshop 2017.

Reviewer for Conference:

- ACM CCS 2016 and 2017; IEEE INFOCOM 2016, 2017, and 2020; IEEE CNS 2016, 2017, and 2018; IEEE IPCCC 2015; IEEE ICC 2015 and 2017; IEEE WCNC 2018.
- NeurIPS 2024.

Reviewer for Journals (25 different types of journals):

- IEEE Transactions on Mobile Computing (TMC)
- IEEE Transactions on Dependable and Secure Computing (TDSC)
- IEEE Transactions on Information Forensics & Security (TIFS)
- ACM Transactions on Privacy and Security (TOPS)
- ACM Transactions on Cyber-Physical Systems (TCPS)
- ACM Transactions on Internet of Things (TIOT)
- IEEE/ACM Transactions on Networking (ToN)
- IEEE Transactions on Wireless Communications (TWC)
- IEEE Transactions on Vehicular Technology (TVT)
- IEEE Transactions on Network Science and Engineering (TNSE)
- IEEE Transactions on Consumer Electronics (TCE)
- IEEE Internet of Things Journal (IoT-J)
- IEEE Systems Journal
- Computer Networks
- IEEE Communications Magazine
- IEEE Wireless Communications Letters
- International Journal of Security and Networks (IJSN)
- International Journal of Electronics and Communications
- IET Information Security
- Wireless Networks
- Transactions on Emerging Telecommunications Technologies
- Internet Technology Letters
- EURASIP Journal on Advances in Signal Processing
- IEEE Open Journal of Vehicular Technology
- Journal of Signal Processing Systems

Student Engagement:

- Faculty Advisor of OU WiCyS Club: Oct 2019 - Now
- Faculty Advisor of OU Cybersecurity Club: Aug 2024 - Now

RICH KLEIN, PH.D.

PROFESSIONAL EXPERIENCE

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Illinois

January 2025 – Present

Dean, Stuart School of Business, John and Mae Calamos Endowed Dean

Responsible for oversight and curriculum management of five primary undergraduate business and seven cross-disciplinary undergraduate degree programs, 13 post-secondary degrees, and two doctoral programs. Lead faculty and staff, shaping the strategic direction of the school. Manage Academic Advising and Business Career Management units. Coordinate and oversee AACSB and HLC accreditation initiatives.

Professor, Business Analytics and Computer Information Systems

UNIVERSITY OF NEBRASKA AT OMAHA, Omaha, Nebraska

January 2022 – December 2024

Vice Chancellor, Institutional Effectiveness and Student Success

Led division that includes Academic Advising, Career Services, Enrollment Management, Financial Support and Scholarships, Institutional Research, New Students and Family Programs, Student Employment, Systems Intelligence and Data Analytics, and the University Registrar. Managed a combined operating budget of over \$15 million and more than \$120 million in student aid funding. Served on the Chancellor's leadership team and supported resource development initiatives with the University of Nebraska Foundation. Collaborated with existing and new external constituents to advance the University's faculty, staff, and students.

Professor, Management, College of Business Administration

Professor, Quantitative Analysis, College of Information Science and Technology

THE SALVATION ARMY WESTERN DIVISION, Omaha, Nebraska

October 2022 – December 2024

Board Member

Served on the Western Division Board, the Finance Committee, D.J.'s Hero Award Selection and Fundraising Committee, and the Social Services Committee.

FLORIDA INTERNATIONAL UNIVERSITY, Miami, Florida

August 2013 – December 2021

Associate Dean, R. Kirk Landon Undergraduate School of Business

August 2016 – December 2021

Academic Director, R. Kirk Landon Undergraduate School of Business

August 2015 – April 2016

Responsible for oversight and curriculum management of 10 academic degree programs, 8 minors, and 11 certificates serving some 8,000 undergraduate students, in the 6th largest AACSB undergraduate business school. Managed Academic Advising and Business Career Management units. Coordinated and oversaw AACSB and SACS-COC accreditation initiatives.

Program Director, M.S. in Data Science, Business Analytics Track

August 2017 – December 2021

Responsible for managing the Business Analytics track within the university's interdisciplinary data science program. Oversaw curriculum development and assessment initiatives as well as student recruitment.

Director, School of Accounting

November 2019 – June 2021

Responsible for managing 14 tenure-track, 13 non-tenure-track, 12 adjunct faculty, and three staff. Reorganized the academic unit's operations to support the College's broader needs. Responsible for overseeing the Bachelor of Accounting, Master of Accounting, and doctoral programs.

Chair, Department of Information Systems and Business Analytics

August 2017 – August 2018

Assistant Department Chair

August 2014 – August 2017

Responsible for managing 22 tenure-track, 8 non-tenure track, 10 adjunct faculty, and four staff. Responsible for oversight of B.B.A. in Business Analytics, B.B.A. in Information Systems, M.S. in Data Science (Business Analytics Track), M.S. in Health Informatics and Analytics, M.S. in Information Systems, and doctoral programs.

Program Director, M.S. in Health Informatics and Analytics

August 2017 – August 2019

Responsible for overall management of the program. Oversaw curriculum redevelopment and assessment initiatives and the launch of the initial online offering. Managed initial Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) program accreditation.

Program Director, Ph.D. in Business Administration

February 2016 – August 2016

Responsible for overall management of the program. Oversaw curriculum redevelopment and assessment initiatives as well as student recruitment.

Professor (August 2018), Associate Professor (August 2012)

Information Systems and Business Analytics

GREATER MIAMI CHAMBER OF COMMERCE, Miami, Florida

June 2021 – December 2021

Executive Board Member, Strategic Planning Advisor

Responsible for ensuring the organization maintains its strategic direction. Work with the CEO and the COO to monitor and measure progress toward strategic objectives in all relevant operational units. Lead strategic planning efforts, helping to develop and inform the annual planning process for Chamber committees.

CLEMSON UNIVERSITY, College of Business, Clemson, South Carolina

August 2002 – August 2013

Graduate Programs Director, Department of Management

August 2009 – August 2013

Responsible for managing the M.S. in Management and doctoral programs. Oversaw the redevelopment of the master's curriculum and all graduate program assessment initiatives. Implemented dual bachelor's and master's programs. Managed recruitment of master's and doctoral students.

Associate Professor (August 2009), Assistant Professor (August 2002)

Management Information Systems

FIRST DATA (FISERV), Atlanta, Georgia

May 1996 – December 2000

Director, Corporate Information Systems

AUTOMATIC DATA PROCESSING, Atlanta, Georgia

June 1989 – May 1996

Manager, Employer Services Division

EDUCATION

GEORGIA STATE UNIVERSITY, J. Mack Robinson College of Business, Atlanta, Georgia August 2002

Doctor of Philosophy in Computer Information Systems

The Effects of Symmetric Information Sharing Practices in e-Business Client/vendor Relationships, chaired by Dr. Arun Rai and Dr. Detmar W. Straub

MERCER UNIVERSITY , Stetson-Hatcher School of Business, Atlanta, Georgia <i>Master of Science in Technology Management</i>	May 1997
BOSTON UNIVERSITY , The Graduate School, Boston, Massachusetts. <i>Master of Arts in Economics</i>	September 1988
BOSTON UNIVERSITY , College of Liberal Arts, Boston, Massachusetts. <i>Bachelor of Arts in Economics</i>	May 1988

CONTINUING EDUCATION

HARVARD GRADUATE SCHOOL OF EDUCATION , Cambridge, Massachusetts <i>Institute for Educational Management</i>	July 2024
HARVARD GRADUATE SCHOOL OF EDUCATION , Cambridge, Massachusetts <i>Management and Leadership in Education</i>	June 2023
COUNCIL FOR THE ADVANCEMENT AND SUPPORT OF EDUCATION <i>Development for Deans and Academic Leaders</i>	November 2019
IBM SKILLS ACADEMY , Mount Kisco, New York <i>Enterprise Design Thinking and Data Science</i>	October 2019
SAS ACADEMY , Cary, North Carolina <i>Advanced Business Analytics</i>	July 2015
SAS ACADEMY , Cary, North Carolina <i>Text Mining and Visual Analytics</i>	July 2014

JOURNAL ARTICLES

- Mohamed Al Marzouq, Varun Grover, Jason Thatcher, and Richard Klein. 2024. An Empirical Examination of Newcomer Contribution Costs in Established OSS Communities: A Knowledge-Based Perspective. *Internet Research*. 34(3), pp. 665-689.
- Jason Riley and Richard Klein. 2021. Logistics Capabilities Offered by Online Retailers and How They Affect and Moderate Millennials' Online Purchasing Behavior. *Young Consumers*. 22(1), pp. 131-151.
- Jason Riley, Richard Klein, V. Sridharan, and Janis Miller. 2020. Using Recovery Capabilities to Mitigate Supply Chain Risk. *The TQM Journal*. 32(5), pp. 939-957.
- Jason Thatcher, Ryan Wright, Heshan Sun, Tom Zagenczyk, and Richard Klein. 2018. Mindfulness in Information Technology Use: Definitions, Distinctions, and a New Measure. *MIS Quarterly*. 42(3) September, pp. 831-847.
- Jason Riley, Kevin Sweeney, Sriram Venkataraman, and Richard Klein. 2018. How Inventory Management Systems Mistreat Retail Project Quantity Items and Other Bimodally Distributed Products. *International Review of Retail, Distribution and Consumer Research*. 23(8) August, pp. 277-293.
- Karlene Cousins, Pouyan Esmaeil Zahed, George Marakas, and Richard Klein. 2018. Frictionless Commerce. *Cutter Business Technology Journal*. 31(5) May, pp. 12-19.
- Jason Riley, Richard Klein, Janis Miller, and Sri Sridharan. 2016. How Internal Integration, Information Sharing, and Training Affect Supply Chain Risk Management Capabilities. *International Journal of Physical Distribution and Logistics Management*. 46(10) October, pp. 953-980.

- Monica Tremblay, Gloria Deckard, and Richard Klein. 2016. Health Informatics and Analytics – Building a Program to Integrate Business Analytics across Clinical and Administrative Disciplines. *Journal of the American Medical Informatics Association*. (23) July, pp. 824-828.
- Ton Spil and Richard Klein. 2015. The Personal Health Future. *Health Policy and Technology*. 4(2) June, pp. 131-136.
- Michelle Carter, Ryan Wright, Jason Thatcher, and Richard Klein. 2014. Understanding Online Consumers Ties to Merchants: The Moderating Influence of Trust on the Relationship between Switching Costs and Loyalty. *European Journal of Information Systems*. 23(2) March, pp. 185-204.
- Richard Klein. 2012. Assimilation of Internet-based Purchasing Applications within Medical Practices. *Information and Management*. 49(3-4) May, pp. 135-141.
- Michael Dinger, Richard Klein, and Jason Thatcher. 2011. Creating Consumer Value through Physical and Digital Product Bundles: One Firm's Approach. *Drake Management Review*. 1(1) October, pp. 12-23.
- Richard Klein, Jonathan Wareham, and Karlene Cousins. 2011. Electronic Intermediary Functional Roles and Profitability. *Decision Sciences*. 42(2) May, pp. 309-337.
- Richard Klein and Arun Rai. 2009. Inter-firm Strategic Information Flows in Logistics Supply Chain Relationships. *MIS Quarterly*. 33(4) December, pp. 735-762.
- Richard Klein and Jonathan Wareham. 2008. Healthcare Intermediaries in Electronic Markets: Performance and Choice of Market Entry Mode. *Journal of Electronic Commerce Research*. 9(4) November, pp. 243-259.
- Richard Klein. 2007. An Empirical Examination of Patient Portal Acceptance. *European Journal of Information Systems*. 16(6) December, pp. 751-760.
- Richard Klein. 2007. Internet-based Patient-physician Electronic Communication Applications: Patient Acceptance and Trust. *e-Service Journal*. 5(2) Winter, pp. 27-51.
- Richard Klein, Arun Rai, and Detmar Straub. 2007. Competitive and Cooperative Positioning in Supply Chain Logistics Relationships. *Decision Sciences*. 38(4) November, pp. 611-646. 2007 Best Article Finalist
- Richard Klein. 2007. Customization and Real Time Information Access in Integrated e-Business Supply Chain Relationships. *Journal of Operations Management*. 25(6) November, pp. 1366-1381.
- Jonathan Wareham, Lars Mathiassen, Arun Rai, Detmar Straub, and Richard Klein. 2005. The Business Value of Digital Supply Networks: A Program of Research on the Impacts of Globalization. *Journal of International Management*. 11(2) June, pp. 201-227.
- Jaejoo Lim, Richard Klein, and Jason Thatcher. 2005. Good Technology, Bad Management: A Case Study of the Satellite Phone Industry. *Journal of Information Technology Management*. 16(2) pp. 48-56.
- Detmar Straub, Arun Rai, and Richard Klein. 2004. Measuring Performance at the Network Level: A Nomology of the Business Impact of Digital Supply Networks. *Journal of Management Information Systems*. 20(1) Summer, pp. 83-114.
- Detmar Straub and Richard Klein. 2001. E-Competitive Transformations. *Business Horizons*. 40(3) May-June, pp. 3-12.

BOOK CHAPTERS

- Richard Klein. 2014. Health Information Technology. In *Wiley Encyclopedia of Management*. Detmar W. Straub and Richard Welke, editors. Volume 7, Management Information Systems. Third Edition. John Wiley and Sons, Inc., DOI: 10.1002/9781118785317.

Richard Klein. 2014. Supply Chain Management. In *Wiley Encyclopedia of Management*. Detmar W. Straub and Richard Welke, editors. Volume 7, Management Information Systems. Third Edition. John Wiley and Sons, Inc., DOI: 10.1002/9781118785317.

Marcel Landeweerd, Ton Spil, and Richard Klein. 2013. E-commerce User Adoption of Google: The Success of Google Search, the Failure of Google Health and the Future of Google+. In *Grand Successes and Failures in IT: Private and Public Sectors*. Yogesh K. Dwivedi, Helle Zinner Henriksen, David Wastell, and Rahul De', editors. IFIP Advances in Information and Communication Technology Series. Springer. New York City, New York. pp. 221-239.

Richard Klein and Michael Dinger. 2008. Trust in Patient Centered e-Health. In *Patient Centered e-Health*. E. Vance Wilson, editor. IGI Global. Hershey, Pennsylvania. pp. 98-114.

Jonathan Wareham and Richard Klein. 2003. Intermediation Structures in Electronic Healthcare Portals. In *Effective Healthcare Information Systems*. Adi Armoni, editor. IGI Global. Hershey, Pennsylvania. pp. 237-248.

PROCEEDINGS

Peng Zhang, Monica Tremblay, and Richard Klein. 2016. An Empirical Investigation of Health Information Exchange Success. *International Conference on Information Systems 2016 Proceedings*. Association for Information Systems. Dublin, Ireland, December 11-13.

Peng Zhang and Richard Klein. 2016. Old Theory and New Technology – Information Technology's Impact on Transaction Cost Economics. *Americas Conference on Information Systems 2016 Proceedings*. Association for Information Systems. San Diego, California. August 11-13, paper 814.

Ton Spil and Richard Klein. 2014. Personal Health Records Success; Why Google Health failed and what does that mean for Microsoft HealthVault? *Proceedings of the Forty-Seventh Hawaii International Conference on Systems Sciences*. IEEE Computer Society. Waikoloa, Hawaii. January 6-9, pp. 2818-2827.

Michelle Carter, Jason Thatcher, Richard Klein, and Ryan Wright. 2009. Switching Costs and Loyalty: Understanding How Trust Moderates Online Consumer's Ties to Merchants. *Special Interest Group on Human Computer Interactions 2009 Proceedings*. Association for Information Systems. Phoenix, Arizona. December 14, paper 2. Best Paper Nominee.

Nicholas Roberts and Richard Klein. 2009. Increasing Process Improvement through Internet-based e-Business Innovations. *Americas Conference on Information Systems 2009 Proceedings*. Association for Information Systems. San Francisco, California. August 6-9, paper 113. Track Best Paper.

Richard Klein and Nicholas Roberts. 2007. Do As Others Do: Social Contagion Factors and Institutional-based Predictors of Adoption Intentions. *Diffusion Interest Group in Information Technology 2007 Proceedings*. Association for Information Systems. Montreal, Quebec, Canada, December 9, paper 3.

Nicholas Roberts, Jason Thatcher, and Richard Klein. 2007. Tying Context to Post-adoption Behavior within Information Technology: A Conceptual and Operational Definition of Mindfulness. *Americas Conference on Information Systems 2007 Proceedings*. Association for Information Systems. Keystone, Colorado. August 9-12, paper 450.

Nicholas Roberts, Jason Thatcher, and Richard Klein. 2007. Using Information Technology Mindfully. *Southern Association for Information Systems 2007 Proceedings*. Association for Information Systems. Jacksonville, Florida. March 9-10, paper 1. Conference Best Paper.

Nicholas Roberts, Jason Thatcher, and Richard Klein. 2006. Mindfulness in the Domain of Information Systems. *Diffusion Interest Group in Information Technology 2006 Proceedings*. Association for Information Systems. Milwaukee, Wisconsin. December 10, paper 2.

Richard Klein. 2005. Strategic Partnerships versus Captive Buyer and Supplier Relationships. *Americas Conference on Information Systems 2005 Proceedings*. Association for Information Systems. Omaha, Nebraska. August 11-14, paper 31.

Richard Klein. 2004. An Examination of Adoption of Electronic Supply Chain Initiatives by U.S. Medical Practices. *Americas Conference on Information Systems 2004 Proceedings*. Association for Information Systems. New York City, New York. August 5-8, paper 32.

Jonathan Wareham, Richard Klein, and Karlene Cousins. 2003. Service and Commodity Based Intermediaries: A Comparative Analysis. *Proceedings of the Eleventh European Conference on Information Systems*. Naples, Italy. June 16-21, pp. 2119-2134.

Jonathan Wareham and Richard Klein. 2001. Intermediation Structures in Electronic Healthcare Portals. *Managing Information Technology in a Global Economy, Proceedings of the Information Resource Management Association International Conference*. Idea Group, Inc., Toronto, Ontario, Canada, May 20-23, pp. 547-551.

Jonathan Wareham, Richard Klein, and Karlene Cousins. 2001. Healthcare Portals, Vortals and Hybrids: Historical Patterns of Intermediation. *Proceedings of the Western Decision Sciences Institute Thirtieth Annual Meeting*. Vancouver, British Columbia, Canada. April 3-7.

PRESENTATIONS

Sandeep Krishnamurthy, Joanne Li, and Richard Klein. 2020. A Practical Guide to the Digital Transformation of Business Schools – How Will the Rubber Meet the Road? AACSB's *International Conference and Annual Meeting*. Denver, Colorado. April 26-28.

Richard Klein and Arijit Sengupta. 2019. Florida International University's BizPass Mobile App. 2019 *Southern Business Administration Association Summer Workshop*. Myrtle Beach, South Carolina. July 14-16.

Jason Riley, Richard Klein, and Sriram Venkataraman. 2015. How Replenishment Systems Mistreat Retail Project Quantity Items. *2015 Annual Meeting of the Decision Sciences Institute*. Seattle, Washington. November 21-24.

Jason Riley, Richard Klein, V. Sridharan, and Janis Miller. 2014. Organizational Structure and Warning and Recovery Capabilities: A Hospital Perspective. *Twenty-Fifth Annual Conference of Production and Operations Management Society*. Atlanta, Georgia. May 10.

Marcel Landeweerd, Ton Spil, and Richard Klein. 2013. E-commerce User Adoption of Google: The Success of Google Search, the Failure of Google Health and the Future of Google+. *IFIP WG 8.6*. Bangalore, India, June 27-29.

Pamela Galluch, Samuel Otim, Richard Klein, and Jason Thatcher. 2007. Online Vendor Choice for Air Travel Ticketing: The Role of Trust and Switching Costs. *Proceedings of the Sixth AIS SIGeBiz Workshop on e-Business*. Montreal, Quebec, Canada. December 9.

Richard Klein and Nicholas Roberts. 2006. Institutional Influences on Adoption Intentions within the Healthcare Industry. *Academy of Management 2006 Annual Meeting*. Atlanta, Georgia. August 11-16.

Richard Klein and Arun Rai. 2003. A Framework for Aligning IT Value with Supply Chain Performance: Re-conceptualizing the Information Sharing Construct. *Institute for Operations Research and the Management Sciences Annual Meeting*. Atlanta, Georgia. October 19-21.

Jonathan Wareham and Richard Klein. 2000. Patterns of Commercial Intermediation: Evidence from Electronic Healthcare Portals. *Workshop on Information Systems and Economics*. Brisbane, Australia, December 14-15.

Richard Klein. 2000. Electronic Commerce Initiatives and Diffusion of Innovation Theory in the Healthcare Market. *Third Annual Conference of the Southern Association for Information Systems*. Atlanta, Georgia. May 2-3.

Richard Klein and David Kuechler. 2000. A Metric for Evaluation of AS-IS Business Process Discovery Methods. *Third Annual Conference of the Southern Association for Information Systems*. Atlanta, Georgia. May 2-3.

INSTITUTIONAL SERVICE

Reserve Officers Training Corps (ROTC) Liaison. Illinois Institute of Technology. Spring 2025 – Present.

John Calamos (Interviewee) and Richard Klein (Interviewer). *Illinois Tech's Veterans Day Celebration: The Skys the Limit*. Illinois Institute of Technology. November 11, 2025.

Nicole Beebe, Jason Czarnecki, and Rich Klein (Panelists). The Future of Higher Education. Illinois Institute of Technology Board of Trustees Meeting. Sugar Grove, Illinois. February 27, 2025.

Alumni and Community Partner Engagement Committee. **Co-chair**. Strategic Planning Committee. Florida International University. Fall 2020 – December 2021.

Joint Academic Operations and Advising Leads Workgroup. Florida International University. Fall 2020 – December 2021.

Quality Enhancement Plan (QEP) Steering Committee. Florida International University. Fall 2020 – December 2021.

University Strategic Plan Committee. Coordinating and Accelerating Academic and Career Success Workgroup. Florida International University. Fall 2020 – December 2021.

Technology Fee Advisory Council. Florida International University. Spring 2019 – December 2021.

Learning Goals Committee. College of Business. Florida International University. Fall 2015 – December 2021.

Undergraduate Curriculum Committee. College of Business. Florida International University. Fall 2015 – December 2021.

Quality Enhancement Plan (QEP) Data Science Workgroup. Florida International University. Spring 2020 – Fall 2020.

Mathematics Strike Force. Florida International University. Fall 2017 – Fall 2020.

Teaching Assistant Development Committee. Florida International University. Summer 2018 – Spring 2020.

Executive Director of Finance and Administration Search Committee. **Chair**. College of Business. Florida International University. Fall 2019.

FIU Next Horizon 2025 Strategic Plan Committee. Florida International University. Fall 2018.

Associate Dean for Accreditation and Technology Services Search Committee. **Chair**. College of Business. Florida International University. Spring 2018 – Summer 2018.

Executive Director of Marketing and National Branding Search Committee. College of Business. Florida International University. Spring 2018.

Third-year Review Committee (multiple faculty). Information Systems and Business Analytics Department. Florida International University. Spring 2017.

Executive Director of Career Management Services Search Committee. **Chair**. College of Business. Florida International University. Fall 2016 – Spring 2017.

Vice Provost of Analysis and Information Management Search Committee. Office of the Provost. Florida International University. Fall 2016 – Spring 2017.

Strategic Enrollment Planning, Graduate Student Working Group. Florida International University. Fall 2016 – Spring 2017.

Information Systems Faculty Search Committee (multiple positions). **Chair**. Information Systems and Business Analytics Department. Florida International University. Fall 2016 – Spring 2017.

Third-year Review Committee (multiple faculty). Information Systems and Business Analytics Department. Florida International University. Spring 2016.

Faculty Advisor, AIS@FIU. Association for Information Systems Student Chapter. Information Systems and Business Analytics Department. Florida International University. Spring 2014 – Summer 2015.

Information Systems Faculty Search Committee (multiple positions). Information Systems and Business Analytics Department. Florida International University. Fall 2015.

Research Incentives Committee. College of Business, Florida International University. Fall 2014.

Information Systems Faculty Search Committee (multiple positions). Information Systems and Business Analytics Department. Florida International University. Fall 2014.

Strategic Planning Committee. College of Business, Florida International University. Fall 2014.

Information Systems Faculty Search Committee (multiple positions). Information Systems and Business Analytics Department. Florida International University. Fall 2013.

Graduate Program AACSB/SACS Assessment Committee. Department of Management, Clemson University. Fall 2009 – Summer 2013.

Graduate Programs Committee. **Chair**. Department of Management, Clemson University. Fall 2009 – Summer 2013.

Graduate School Dean's Advisory Committee. Clemson University. Fall 2009 – Summer 2013.

Course Coordinator, Management of Information Systems. Department of Management, Clemson University. Summer 2006 – Summer 2013.

Doctoral Comprehensive Examination Committee. Department of Management, Clemson University. Summer 2007 – Summer 2013.

Course Coordinator, Management of Personal Computer Applications. Department of Management, Clemson University. Spring 2011 – Summer 2013.

Graduate Faculty Council. **President**. Graduate School, Clemson University. Fall 2012 – Spring 2013.

Curriculum Committee. Department of Management, Clemson University. Fall 2010 – Summer 2012.

Graduate School Dean Search Committee. Clemson University. Fall 2011 – Spring 2012.

Graduate Faculty Council. Graduate School, Clemson University. Fall 2009 – Spring 2012.

Undergraduate Program AACSB/SACS Assessment Committee. Department of Management, Clemson University. Spring 2008 – Summer 2010.

Strategic Planning Committee. College of Business and Behavior Science. Clemson University. Spring 2010.

Undergraduate Studies Council. Clemson University. Fall 2006 – Summer 2009.

Undergraduate Student Academic Grievance Committee. Clemson University. Fall 2006 – Summer 2009.

Management of Information Systems Faculty Search Committee. Department of Management, Clemson University. Fall 2007.

EXTERNAL SERVICE

President, Association for Information Systems (AIS) College of Academic Leadership (CAL), January 2024 – Present.

Richard Klein (Panel Chair), with Karlene Cousins, Robert Crossler, Lakshmi S. Iyer, and Tim Olsen (Panelists). AI and the IS Curriculum Panel Discussion. Sponsored by the College of Academic Leadership. *Forty-sixth International Conference on Information Systems*. Nashville, Tennessee. December 14, 2025.

Megan McCann, Founder and CEO, McCann Partners (Panel Chair); Richard Klein; Tope Sadiku, Global Director of Organization Effectiveness and Design, McDonald's; Randy Nornes, EVP, Enterprise Client Partner, AON; Stephen Wroblewski, Managing Director & Global Talent Reinvention Lead, Accenture; and Mithilesh Kotwal, Managing Director, Technology Consulting, Protiviti (Panelists). *The Complete Innovator: The Tech Skills. Chicago Innovation, World Business Chicago, and The Second City*. Chicago, Illinois. October 8, 2025.

Richard Klein (Panel Chair), with Sue Brown, Ashish Gupta, Lakshmi S. Iyer, and Tim Olsen (Panelists). Ethical Use of AI “in” and “for” IS Research. Sponsored by the College of Academic Leadership. *Fortieth Americas Conference on Information Systems*. Montreal, Québec, Canada. August 15, 2025.

Task Force Member, Anchor Institutions Task Force’s Education Subcommittee, Marga Inc., October 2023 – December 2024.

Leadership Advisory Board Member, St. John Paul II Newman Center, Omaha, Nebraska, March 2022 – December 2024.

Associate Editor, Information Systems in Healthcare Track. *Forty-fifth International Conference on Information Systems*. Bangkok, Thailand. December 15-18, 2024.

Richard Klein (Panel Chair) with Sue Brown, Anith Chennamaneni, Brian Detlor, Lakshmi Iyer, and Doug Twitchell (Panelists). Navigating the Choice of School and Transitioning to Faculty. Jointly sponsored by the College of Academic Leadership and the Doctoral Student College. *Thirtieth Americas Conference on Information Systems*. Salt Lake City, Utah. August 15-17, 2024.

Track Co-chair, Healthcare Informatics, and Information Technology Track. *Thirtieth Americas Conference on Information Systems*. Salt Lake City, Utah. August 15-17, 2024.

President-Elect, Association for Information Systems (AIS) College of Academic Leadership (CAL), January 2023 – December 2023.

Associate Editor, Information Systems in Healthcare Track. *Forty-fourth International Conference on Information Systems*. Hyderabad, India. December 10-13, 2023.

Track Co-chair, Healthcare Informatics, and Information Technology Track. *Twenty-ninth Americas Conference on Information Systems*. Panama City, Panama. August 10-12, 2023.

Hal Pittman (Panel Chair); with Joseph Garcia, Richard Klein, Joseph Laurito, and Kayla Lopez (Panelists). Post 9-11 GI Bill. *Veterans in Energy (ViE)*. Arlington, Virginia. March 6, 2023.

Ryan Nelson (Panel Chair); with Kelly H. Bartling, Richard Klein, and Jay Stephens (Panelists). Enrollment Cliff. *Midwestern Higher Education Compact’s Technologies Community Conference*. Rosemont, Illinois. February 23, 2023.

Maric Boudreau (Panel Chair); with Sue Brown, Richard Klein, Munir Mandviwalla Munir, and Richard Watson (Panelists). Information Systems Fundraising Best Practices. *MIS Academic Leadership Conference*. Athens, Georgia. November 10-12, 2022.

Track Co-chair, Healthcare Informatics, and Information Technology Track. *Twenty-eighth Americas Conference on Information Systems*. Minneapolis, Minnesota. August 10-14, 2022.

Alex Lopes (Panel Chair); with Michael A. Erskine, Richard Klein, Tom Meservy, Steve Sclarow, and Gladys Simpson (Panelists). Engaging IS Students Through Student Clubs and Chapters. *Twenty-eighth Americas Conference on Information Systems*. Minneapolis, Minnesota. August 12, 2022.

Maric Boudreau (Panel Chair); with Lemuria Carter, Richard Klein, and Richard Watson, and Cathy Urquhart (Panelists). How to make the IS discipline relevant to non-IS stakeholders? *Twenty-eighth Americas Conference on Information Systems*. Minneapolis, Minnesota. August 12, 2022.

Richard Klein (Panel Chairs); with Maric Boudreau, Andrew Burton-Jones, and Lakshmi Iyer (Panelists). Beyond Job Placement and Toward Promotions and Tenure. *Twenty-eighth Americas Conference on Information Systems*. Minneapolis, Minnesota. August 11, 2022.

Jim Denford (Panel Chair); with Lemuria Carter, Richard Klein, Janet Toland, Richard Watson, and Gloria Wren (Panelists). Challenges for Academic Leadership. *Pacific Asia Conference on Information Systems*. Taipei, Taiwan and Sydney, Australia Virtual Conference. July 8, 2022.

Vice President, Association for Information Systems (AIS) College of Academic Leadership (CAL), Spring 2021 – December 2022.

Associate Editor, Information Systems in Healthcare Track. *Forty-second International Conference on Information Systems*. Austin, Texas. December 11-15, 2021.

Richard Klein and Babita Gupta (Panel Co-chairs); with Michelle Carter, Fay Payton, Victor Wacham A. Mbarika, Shu Schiller, and Lynette Yarger (Panelists). Leading Diversity: Promoting Equity, Diversity, and Inclusion (EDI) on Campus. *Twenty-seventh Americas Conference on Information Systems*. Montreal, Quebec, Canada. August 5-7, 2021.

Richard Klein and Babita Gupta (Panel Co-chairs); with Karlene Cousins, Shivraj Kanungo, Shivraj Kanungo, and Diane Strong (Panelists). Transitions to Academic Leadership. *Twenty-seventh Americas Conference on Information Systems*. Montreal, Quebec, Canada. August 5-7, 2021.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-seventh Americas Conference on Information Systems*. Montreal, Quebec, Canada. August 5-7, 2021.

Executive Advisory Board. Association for Information Systems (AIS) Special Interest Group on IT in Healthcare (SIGHealth), Fall 2014 – Present.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-sixth Americas Conference on Information Systems*. Salt Lake City, Utah. August 13-16, 2020.

Program Chair, *International Conference on Information Resource Management, ConFIRM 2020*. Miami, Florida. May 20-22, 2020.

Associate Editor, *European Journal of Information Systems*. June 1, 2009 – December 31, 2020.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-fifth Americas Conference on Information Systems*. Cancun, Mexico. August 15-17, 2019.

Richard Klein (Panelist). Deans' Panel Discussion. AACSB International Bridge Program for Instructional Practitioners. The University of Miami. Miami, Florida. June 14, 2019.

Richard Klein (Panel Chair); with Sandeep Purao, Raghu Santanam, Choon Ling Sia, Anna Sidorova, and Heikki Topi (Panelists). Undergraduate Programs. *MIS Academic Leadership Conference*. Dallas, Texas. April 14, 2019.

Special Issue Associate Editor, The Role of Information Systems and Analytics in Chronic Disease Prevention and Management. *MIS Quarterly*. May 2017 – August 2018.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-fourth Americas Conference on Information Systems*. New Orleans, Louisiana. August 16-18, 2018.

Guest Associate Editor, *MIS Quarterly*. October 2015 – Spring 2018.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-third Americas Conference on Information Systems*. Boston, Massachusetts. August 11-13, 2017.

Track Chair, Digital Health Initiatives Track. *Twenty-Fifth European Conference on Information Systems*. Guimaraes, Portugal. June 5-10, 2017.

Nominating Committee. Association for Information Systems (AIS) Special Interest Group on IT in Healthcare (SIG-Health). Spring 2016.

Track Chair, Healthcare Informatics and Information Technology Track. *Twenty-second Americas Conference on Information Systems*. San Diego, California. August 11-13, 2016.

Track Chair, Digital Health Initiatives Track. *Twenty-Fourth European Conference on Information Systems*. Istanbul, Turkey. June 12-15, 2016.

Track Chair, Healthcare Information Systems and Technology Track. *Twenty-first Americas Conference on Information Systems*. El Conquistador, Puerto Rico. August 13-15, 2015.

Track Chair, Digital Health Initiatives Track. *Twenty-Third European Conference on Information Systems*. Münster, Germany. May 26-29, 2015.

Past-President, Association for Information Systems (AIS) Special Interest Group on IT in Healthcare (SIG-Health). January 1, 2012 – December 31, 2014.

Track Chair, Healthcare Information Systems and Technology Track. *Twentieth Americas Conference on Information Systems*. Savannah, Georgia. August 7-10, 2014.

Track Chair, Digital Health Initiatives Track. *Twenty-Second European Conference on Information Systems*. Tel Aviv, Israel. June 6-13, 2014.

Associate Editor, Healthcare Information Systems Track. *Thirty-Fourth International Conference on Information Systems*. Milan, Italy. December 15-18, 2013.

Track Chair, Health Information Systems/Technology Track. *Nineteenth Americas Conference on Information Systems*. Chicago, Illinois. August 15-17, 2013.

Program Committee. *Human-Computer Interaction in Health and Wellness Workshop*. Association for Information Systems' (AIS) Special Interest Group on IT in Healthcare (SIG-Health) and Special Interest Group on Human Computer Interactions (SIG-HCI). August 7, 2013.

Track Chair, Healthcare IT Track. *Twenty-First European Conference on Information Systems*. Utrecht, The Netherlands. June 5-8, 2013.

Health Sciences South Carolina Data Collaboration Advisory Committee. State of South Carolina. Summer 2010 – Summer 2013.

Invited Lecture, Georgia State University's (GSU) Center for Process Improvement (CEPRIN). Office-based Physician Practices' Strategic Responses to Institutional Electronic Medical Records Processes. Spring 2013.

Associate Editor, IT and Service Management Track. *Thirty-Third International Conference on Information Systems*. Orlando, Florida. December 16-19, 2012.

Priscilla Arling (Panel Chair); with Guodong Gao, Richard Klein, E. Vance Wilson (Panelists). Moving Healthcare IT Research into Practice. *Seventeenth Americas Conference on Information Systems*. Seattle, Washington. August 10, 2012.

Track Chair, IS in Healthcare Track. *Eighteenth Americas Conference on Information Systems*. Seattle, Washington. August 9-12, 2012.

Track Chair, e-Health Track. *Twentieth European Conference on Information Systems*. Barcelona, Spain. June 11-13, 2012.

President, Association for Information Systems (AIS) Special Interest Group on IT in Healthcare (SIG-Health). January 1, 2010 – December 31, 2011.

Associate Editor, IT in Healthcare Track. *Thirty-Second International Conference on Information Systems*. Shanghai, China. December 12-16, 2011.

Richard Klein (Chair); with Misha Pavel (Presenter), Ann Fruhling, Diane Strong, Monica Tremblay, and Bengisu Tulu (Panelists). Healthcare IT Research and Grant Opportunities. Panel Discussion. *Sixteenth Americas Conference on Information Systems*. Detroit, Michigan. August 4, 2011.

Keynote Address. Textron Corporation's Annual Meeting of IS Executives: Managing Millennials in the IT Workforce. Spring 2009 – Spring 2009.

Invited Lecture. Georgia State University's (GSU) Center for Process Improvement (CEPRIN). Inter-firm Strategic Information Flows in Supply Chain Logistics Relationships, Spring 2008.

Cynthia LeRouge (Chair); with Monica Garfield, Matthew Guan, Mirou Jaana, Richard Klein, and Helen Richardson (Panelists). Adoption and Diffusion of Technology in Healthcare. Panel Discussion. *Diffusion Interest Group in Information Technology*. Montreal, Quebec, Canada, December 9, 2007.

Invited Lecture. Georgia State University's (GSU) Center for Process Improvement (CEPRIN). Inter-firm Strategic Information Flows in Supply Chain Logistics Relationships. Fall 2007.

Ad-hoc reviewer for journals including: the *Academy of Management Journal*, *Communications of the Association for Information Systems*, *Data Base: Advances in Information Systems*, the *Electronic Commerce Research Journal*, the *European Journal of Information Systems*, *Information Systems Research*, the *Journal of the American Medical Informatics Association*, the *Journal of the Association for Information Systems*, the *Journal of Information Technology*, the *Journal of Management Information Systems*, the *Journal of Operations Management*, *Management Science*, and *MIS Quarterly*.

Ad-hoc reviewer for conferences and workshops including: the *Americas Conference on Information Systems*, the *Conference of the Southern Association for Information Systems*, the *European Conference on Information Systems*, the *International Conference on Information Systems*, the *Pacific Asia Conference on Information Systems*, and the *Special Interest Group on Adoption and Diffusion of Information Technology Workshop*.

Ad-hoc reviewer for textbook publishers including Cengage Learning, McGraw-Hill, and John Wiley.

EXTERNAL ENGAGEMENT AND INSTITUTIONAL ADVOCACY

ACT| Encoura's Eduventures' Summit – Higher Education Reimagined. Chicago, Illinois. June 22-23, 2024.

Salesforce's Connections Meeting. Chicago, Illinois. May 22-23, 2024.

Salesforce's Education Summit. San Diego, California. May 13-15, 2024.

EAB's Data Leadership Summit. Washington, D.C.. April 22-23, 2024.

National Association of Student Financial Aid Administrators (NASFAA) Leadership & Legislative Conference. Washington, D.C.. February 4-7, 2024.

Immersive Innovation Summit. Arizona State University. Tempe, Arizona. January 10-11, 2024.

Student Success US 2023. University of California, Los Angeles. Los Angeles, California. November 7-9, 2023.

College Board Forum. New York City, New York. November 1-3, 2023.

Coalition of Urban and Metropolitan Universities (CUMU). Washington, D.C.. October 15-18, 2023.

RNL National Conference. Ruffalo Noel Levitz. Nashville, Tennessee. July 25-27, 2023.

Omaha Executive Institute. Omaha Chamber of Commerce. September 2022 through May 2023.

American Council on Education (ACE) Annual Meeting. Washington, D.C.. April 13-15, 2023.

Veterans in Energy Conference. Arlington, Virginia. March 6-8, 2023.

Midwest Higher Education Coalition's (MHEC) Technologies Community Conference, Rosemont, Illinois. February 23-24, 2023.

MIS Academic Leadership Conference (MALC). Association for Information Systems (AIS). Terry College of Business. University of Georgia, Athens, Georgia. November 10-12, 2022.

Coalition of Urban and Metropolitan Universities (CUMU). San Diego, California. October 23-26, 2022.

Ruffalo Noel Levitz (RNL) Enrollment Management Workshop. St. Louis, Missouri. October 18, 2022.

American Association of State Colleges and Universities (AASCU). Portland, Oregon, July 21-24, 2022.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Associate Deans Conference. St. Petersburg, Florida. October 27-29, 2021.

Association for Information Systems. (AIS) Associate Deans Conference. Dallas, Texas. March 1-2, 2021.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Associate Deans Conference. Virtual. November 16-19, 2020.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Associate Deans Conference. New Orleans, Louisiana. November 13-15, 2019.

Tech Transformation Opportunities for Higher Ed Innovation Summit. The Chronicle of Higher Education and HP, Inc.. City University of New York, Baruch College. New York City, New York. September 17, 2019.

Association of Professionals in Finance and Accounting (ALPFA) Educators Round Table. Nashville, Tennessee. August 4, 2019.

Southern Business Administration Association (SBAA) Summer Workshop. Myrtle Beach, South Carolina. July 14-16, 2019.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Data Analytics Summit. Scheller College of Business, Georgia Institute of Technology. Atlanta, Georgia. May 8-11, 2019.

MIS Academic Leadership Conference (MALC). Association for Information Systems (AIS). Naveen Jindal School of Management, The University of Texas at Dallas, Richland, Texas. April 11-13, 2019.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Associate Deans Conference. Phoenix, Arizona. November 3-6, 2018.

Association of Professionals in Finance and Accounting (ALPFA) Educators Round Table. Las Vegas, Nevada. July 31, 2018.

American Medical Informatics Association (AMIA) Informatics Educators Forum. New Orleans, Louisiana. June 19-21, 2018.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Data Analytics Summit. W.P. Carey School of Business, Arizona State University. Tempe, Arizona. March 19-20, 2018.

Health Information and Management Systems Society (HIMSS) Conference. Las Vegas, Nevada. March 5-9, 2018.

MIS Academic Leadership Conference (MALC). Association for Information Systems (AIS). Robert H. Smith School of Business, University of Maryland, College Park, Maryland. November 9-11, 2017.

American Medical Informatics Association (AMIA) Annual Symposium. Washington, D.C.. November 4-8, 2017.

InSpire Academic Forum. American Medical Informatics Association (AMIA). La Jolla, California. June 6-8, 2017.

Health Information and Management Systems Society (HIMSS) Conference. Orlando, Florida. April 19-23, 2017.

American Medical Informatics Association (AMIA) Annual Symposium. Chicago, Illinois. November 12-16, 2016.

Health Information and Management Systems Society (HIMSS) Conference. Las Vegas, Nevada. February 28 – March 3, 2016.

American Medical Informatics Association (AMIA) Annual Symposium. San Francisco, California. November 14-18, 2015.

PROFESSIONAL DEVELOPMENT

Institute for Education Leadership Management. Harvard Graduate School of Education. July 11-19, 2024.

Institute for Management and Leadership in Education. Harvard Graduate School of Education. June 20-30, 2023.

Salesforce Education Summit. Salesforce, Inc.. Dallas, Texas. April 10-12, 2023.

National Association of Student Financial Aid Administrators (NASFAA) Leadership and Legislative Conference. Washington, D.C.. February 6-7, 2023.

Dreamforce. Salesforce, Inc.. San Francisco, California. September 20-22, 2022.

Professional Fundraising for Deans and Academic Leaders. Academic Resources, Inc.. April 13-14, 2021.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Mentor Training. AACSB Associate Deans Conference. New Orleans, Louisiana. November 15, 2019.

Development for Deans and Academic Leaders. Council for the Advancement and Support of Education (CASE). Boston, Massachusetts. November 4-6, 2019.

Data Science. IBM Skills Academy. Mount Kisco, New York. October 15-18, 2019.

Enterprise Design Thinking. IBM Skills Academy. Mount Kisco, New York. October 14, 2019.

Institutional Effectiveness Academic Assessment. CPE Hours: 1.6. Florida International University. Miami, Florida. June 1, 2019

Advanced Business Analytics. SAS Institute. Cary, North Carolina. July 27-31, 2015.

Association to Advance Collegiate Schools of Business International, Inc. (AACSB) Accreditation. Tampa, Florida. April 24-25, 2015.

Visual Analytics. SAS Institute. Cary, North Carolina. July 16-17, 2014.

Text Mining. SAS Institute. Cary, North Carolina. July 14-15, 2014.

Structural Equation Modeling (SEM) Using SmartPLS. Georgia State University, Office of Executive Programs. Atlanta, Georgia. June 26-27, 2008.

GRANTS AND AWARDS

Collaborative Transformation Initiative Between Metropolitan Community College and the University of Nebraska at Omaha (\$8,599,946). Susan Thompson Buffett Foundation. August 2024. University of Nebraska at Omaha.

First-year Experience (\$2,559,772). Susan Thompson Buffett Foundation. August 2023. University of Nebraska at Omaha.

Salesforce's Student Success Hub Implementation (\$1,744,667). Susan Thompson Buffett Foundation. August 2023. University of Nebraska at Omaha.

Collaborative Transformation Initiative Between Metropolitan Community College and the University of Nebraska at Omaha Planning Grant (\$115,742). Susan Thompson Buffett Foundation. June 2023. University of Nebraska at Omaha.

Creative Inquiry Grant, Undergraduate Research. (\$2,000). Fall 2011. Clemson University.

Summer Research Grant (\$15,000). Summer 2011. Department of Management, Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$1,500). Fall 2010. Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$1,500). Fall 2010. Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$3,000). Fall 2009. Clemson University.

Summer Research Grant (\$10,000). Summer 2009. College of Business and Behavioral Science, Clemson University.

Junior/Senior Enhancement Grant (\$3,000). Fall 2008 – Spring 2009. College of Business and Behavioral Science, Clemson University.

Online Course Development Grant (\$5,500). Summer 2009. Department of Management, Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$1,700). Spring 2009. Clemson University.

Junior/Senior Enhancement Grant (\$3,000). Fall 2008 – Spring 2009. College of Business and Behavioral Science, Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$2,400). Fall 2008. Clemson University.

Summer Mini-Grant (\$5,000). Summer 2008. College of Business and Behavioral Science, Clemson University.

Summer Research Grant (\$7,500). Summer 2008. Department of Management, Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$2,500). Spring 2008. Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$2,500). Fall 2007. Clemson University.

Creative Inquiry Grant, Undergraduate Research. (\$2,500). Spring 2007. Clemson University.

FELLOWSHIPS AND HONORS

Best Paper Nomination. *Eighth Annual Workshop on Human Computer Interactions (HCI) Research in MIS*. Michelle Carter, Jason Thatcher, Richard Klein, and Ryan Wright. 2009. Switching Costs and Loyalty: Understanding How Trust Moderates Online Consumers' Ties to Merchants.

Track Best Paper. *Fifteenth Americas Conference on Information Systems*. Nicholas Roberts and Richard Klein. 2009. Increasing Process Improvement – Internet-based e-Business Innovations.

2007 Best Article Finalist. *Decision Sciences*. Richard Klein, Arun Rai, and Detmar Straub. 2007. Competitive and Cooperative Positioning in Supply Chain Logistics Relationships.

Conference Best Paper. *Tenth Annual Conference of the Southern Association for Information Systems*. Nicholas Roberts, Jason Thatcher, and Richard Klein. 2007. Using Information Technology Mindfully.

TEACHING ASSIGNMENTS

Business Statistical Analysis. Undergraduate Requirement. Florida International University.

Business Analysis. Undergraduate and Graduate/MBA Elective. Clemson University.

Business Information Management. Undergraduate Elective. Clemson University.

Database Management Systems. Undergraduate Elective. Georgia State University.

Electronic Commerce Strategy. Graduate/MBA Elective. Clemson University.

Information Security and Compliance. Graduate Requirement. Florida International University.

Information Security Management and Compliance. Undergraduate Requirement. Florida International University.

Management of Electronic Commerce. Graduate/MBA Elective. Clemson University.

Management of Information Systems. Online Offering. Undergraduate Requirement. Clemson University and Florida International University.

Management of Personal Computer Applications. Online Offering. Undergraduate Requirement. Clemson University.

Organizational Theories. Doctoral Seminar. Florida International University.

Project Management. Graduate Requirement. Florida International University.

Project Management. Online Offering. Undergraduate and Graduate/MBA Elective. Clemson University.

Quality and Outcome Analytics. Graduate Requirement. Florida International University.

Systems Analysis. Undergraduate Requirement. Georgia State University.

Systems Design. Undergraduate Requirement. Georgia State University.

STUDENT SUPERVISION

Haifa Shalan, Doctoral Candidate, *Servant Leadership Perception and Employee Outcomes: The Mediating Role of Job Crafting and the Moderating Effect of Sex*, Illinois Institute of Technology, Co-chair.

Manar Al-Daham, Doctoral Candidate, *Protecting Customer Privacy in Marketing Segmentation Using Machine Learning Techniques*, Illinois Institute of Technology, Co-chair.

Jobany Rico, Doctoral Candidate, *Information and Communication Technologies and Their Prospect for Uplifting Democracy in a Closed Society*, Florida International University, Committee Member, November 1, 2021.

Jose Pineda, Ph.D., *Perceived Sociable Technology: Exploring the Role of Anthropomorphism and Agency Perception of HCI*. Information Systems and Business Analytics, Florida International University, Committee Member, December 17, 2020.

Malgorzata Kolotylo, Ph.D., *Information Delivery, User Decision Approach, and Choice Environment: Examining the Effectiveness of Non-compensatory and Customization-based Online Decision Support*. Information Systems and Business Analytics, Florida International University, Committee Member, June 26, 2019.

Arturo Castellanos, Ph.D., *Relevance is in the Eye of the Beholder: Design Principles for the Extraction of Context-Aware Information from Healthcare Data*. Information Systems and Business Analytics Department, Florida International University, Committee Member, July 7, 2016.

Jason Riley, Ph.D., *Understanding Risk Management and Disruptions in Hospital Supply Chains*. Department of Management, Clemson University, Committee Member, July 1, 2013.

Jennifer Gerow, Ph.D., *IT-Business Strategic Alignment: Essays Examining Types of Alignment and their Relationship with Firm Performance*. Department of Management, Clemson University, Committee Member, November 18, 2011.

Mohammad Al Marzouq, Ph.D., *Towards a Theory of the Sustainability and Performance of FLOSS Communities*. Department of Management, Clemson University, Committee Member, October 28, 2009.

Nicholas Roberts, Ph.D., *Customer Agility, Competitive Activity, and the Enabling Role of Information Technology*. Department of Management, Clemson University, Committee Member, July 8, 2009.

PROFESSIONAL ASSOCIATIONS

American Medical Informatics Association (AMIA).

Association for Information Systems (AIS).

Institute for Operations Research and Management Sciences (INFORMS).

Scott Sundvall



Website: scottsundvall.com (Inactive)

RESEARCH INTERESTS

Digital rhetoric; new media and rhetoric/writing; public writing and rhetoric; artificial intelligence; multimodal composition; electracy; critical theory; surveillance studies; activist rhetorics; critical pedagogy; rhetoric of subjects vis-à-vis objects

EDUCATION

Ph.D., English (Rhetoric, Composition, and New Media), University of Florida, Summer 2016.

Dissertation Title: "The Rhetoric of Desiring-Surveillance in the Age of Electracy."

Committee: Greg Ulmer (Chair), Laurie Gries, Sidney Dobrin, Jack Stenner

M.A., Literary and Textual Studies, Bowling Green State University, Summer 2011.

Thesis Title: "Homo Cyberian Doedipus: On the Primacy and Potential of Desire, Language, and Technology."

Committee: Erin Labbie (Chair), Ellen Berry

B.A., English; Cultural Studies and Comparative Literature, University of Minnesota, Spring 2009

POSITIONS HELD and COURSES TAUGHT

University of Memphis

Assistant Professor, Department of English, Fall 2018 – 2023

Associate Professor, Department of English, Fall 2023 –

Affiliate Faculty, Institute for Intelligent Systems, Fall 2025 –

Coordinator, Writing, Rhetoric, and Technical Communication Fall 2023 –

Director, Center for Writing and Communication (CWC), Fall 2016 – 2021

English 4602: Advanced Composition (Various Course Topics)

English 1020: Composition and Analysis: Memphis

English 7010/8010: Writing and Communication Center Theory and Methodology (Designed)

English 3604: Advanced Persuasive Writing (Various Course Topics)

English 7805/8805: Foundations of Writing Studies

English 7001/8001: Academic Genres and Publication
English 4620/6620: Digital Rhetoric and Writing (Co-designed with Elizabeth Lane)
English 1010: Writing about Writing

Adjunct Instructor, Indiana State University, Fall 2015-Spring 2016
English 305: Advanced Expository Writing: The Rhetoric of Reality

Graduate Assistant Instructor, University of Florida, Fall 2012-Summer 2015
English 2300: Film Analysis
English 1131: Writing Through Media: Surveillance
American Literature 2070: Space, Maps, and Travels
English 1145: Writing About the Rhetorical Tradition of Activism
English 1131: Writing Through Media: Mediating the Human Machine
English Composition 2210: Technical Writing
English Composition 1102: Introduction to Argument and Persuasion

Adjunct Instructor, Owens Community College, Fall 2011-Summer 2012
English 111: Introduction to Composition
English 112: Academic Writing

Adjunct Instructor, Terra State Community College, Fall 2011-Summer 2012
English 1150: Introduction to Composition
English 1120: Technical Writing for Business and Industry

Graduate Assistant Instructor, Bowling Green State University, Fall 2009-Spring 2011
General Studies Writing 1110: Introduction to Academic Writing
General Studies Writing 1120: Academic Writing

PUBLICATIONS

Books, Edited Collections, and Special Issues

Rhetoric Before and After "Truth" (University of Pittsburgh Press). Co-edited with Ira Allen and Caddie Alford. Forthcoming, Fall 2026.

Rhetorical Speculations: Emergent Technologies and the Future and Potential of Rhetoric (University of Colorado Press/Utah State University Press), editor. 2019.

Special issue on "Post-COVID Digital Pedagogies," (*Convergence* vol. 29, issue 1), co-edited with Jernej Markelj. 2023.

Special issue on "Digital Technologies, Bodies, and Embodiments," (*Computers and Composition* 53), co-edited with Phil Bratta. 2019.

Peer-Reviewed Articles and Chapters

"Truth is a Tumblin' Tumble Weed."

Rhetoric Before and After "Truth" (University of Pittsburgh Press), eds. Scott Sundvall, Caddie Alford, and Ira Allen. Forthcoming, Fall 2026.

"The Future of Rhetoric and Writing: Pitch by Pitch."

Writing Futures: Collaborative, Algorithmic, Autonomous (Springer Press), eds. Ann Duin and Isabel Pedersen, 2021.

"Everything is (Not So) Terrible! Heuretic Glitchicism as Method for Electrate (Re)Composing."

Computers and Composition 56, June 2020.

"Introduction to Special Issue: Digital Technologies, Bodies, and Embodiments." Co-authored with Phil Bratta.

Computers and Composition 53, Fall 2019.

"Introduction." Co-authored with Joseph Weakland. *Rhetorical Speculations: The Future of*

Rhetoric, Writing, and Technology (Logan: Utah State University Press, 2019), ed. Scott Sundvall.

"Without a World: The Rhetorical Potential and Dark Politics of Object-Oriented Thought."

Philosophy and Rhetoric 51.3, Fall 2018.

"The Writing's on the Wall: Activist Rhetorics, Public Writing, and Responsible Pedagogy."

Co-authored with Katherine Fredlund.

Composition Forum, v. 36, Summer 2017.

"The First 100 Days of an Electrate President: Post-Truth, Alternative Facts, and Fake News."

Textshop Experiments #3, June 2017.

"The Rhetoric of Desiring-Surveillance: Diego Velázquez's *Las Meninas*, Subjectivity, and Media(ted) Vision in the Age of Electracy."

Media Fields Journal #11: *Surveillance Zones*, March 2016.

"Clonetrolling the Future: Body, Space, and Ontology in Duncan Jones' *Moon* and Mark Romanek's *Never Let Me Go*."

Politics of Place 2, Winter 2015.

"Post-Human, All Too Non-Human: Implications of the Cyber-Rhizome."

Cybercultures: Mediations of Community, Culture, Politics (New York: Rodopi Press, 2012), eds. Harris Breslow and Aris Mousoutzanis.

Short Articles and Digital Productions

“Reappropriation Radler.”

The Sophist's Cookbook, eds. David Blakesley and Jimmy Butts, forthcoming.

“Rocktalog: Jim Morrison.”

Hyperrhiz 23, Fall 2021

“Look at Me! Don’t Look at Me!”

Sweetland Digital Rhetoric Collaborative (Blog Carnival), October 2018.

““Ulmerian Bingo Card.”

Textshop Experiments, v. 5, Summer 2018.

“Hegel’s *The Master*.”

Interstitial Journal (Flash Theory), Fall 2014.

“An Introduction and Conclusion to Metaphysical Writing Studies.” *Enculturation*

18 (multi-media cut-up; Responses), Summer 2014.

Encyclopedia, Anthology, and Textbook Entries

“Branding.”

Keywords & Concepts in Making: A Rhetorical Primer (Parlor Press, 2024), ed. Jason Tham.

“Aesthetics.”

Keywords & Concepts in Making: A Rhetorical Primer (Parlor Press, 2024), ed. Jason Tham.

“Artificial Intelligence.”

Critical Terms in Futures Studies (Palgrave MacMillan, 2019), ed. Heike Paul.

“Electracy.”

Writing Memphis (Hayden-McNeil/Macmillan Learning, 2017), eds. Katherine Fredlund and Vincent Kenny-Cincotta.

Book Reviews

Review of Alexander Monea’s *The Digital Closet: How the Internet Became Straight* (MIT Press, 2023)

enculturation, July 2023.

Review of John Tinnell’s *Actionable Media: Digital Communication beyond the Desktop* (Oxford University Press, 2017).

Composition Forum, v. 40, Fall 2018.

Video book review of Zygmunt Bauman's and David Lyon's *Liquid Surveillance* (Polity Press, 2013).

Itineration, Fall 2014.

Book review of Andre Nussélder's *Interface Fantasy: A Lacanian Cyborg Ontology* (MIT Press, 2009).

Rhizomes #20, Summer 2010.

Creative Works

Outlet, or a Heaven Full of Televisions.

Novel. Anoka: Word Warriors Press, 2004.

WORKS IN PROGRESS

"Tears and Clothing in Chicago: A Gonzo Retrospective of the 2024 DNC Convention."

Manuscript complete; to be submitted to *enculturation*.

They Shoot [at] Live Toddlers, Don't They?: A Journal of American Violence.

Manuscript in progress.

Problems B Us: Currents in Electracy

Co-written with Sergio Figueiredo, et al. Manuscript complete; being prepared for submission to Sweetland Digital Rhetoric Collaborative and Intermezzo).

A Nightmare on AI Street: Against Henny Penny Rhetorics

Manuscript in progress; short book. To be submitted to Utah State University Press (Current Arguments in Composition Series)

Philosophy: Technology: Rhetoric

Manuscript in progress; edited collection. Co-edited with Mehdi Mohammadi. Full proposal invited by Penn State University Press.

Gas/Lights/Education

Manuscript in progress; short book. Co-written with Shiva Mainaly. To be submitted to University of Minnesota Press (Forerunners: Ideas First).

CONFERENCE PRESENTATIONS

"Composing Electracy."

Rhetoric Society Association Annual Convention. Portland, OR. Spring, 2026.

“Roundtable on Post-truth.”

Rhetoric Society Association Annual Convention. Denver, CO. Spring 2024.

“Towards a Rhetoric of Visibility”

European Communication Research and Education (ECREA). Copenhagen, Fall 2023.

“They Shoot [at] Live Toddlers, Don’t They? American Violence and Rhetorics of Visibility”

Rhetoric Society of America: The Charge of Change. Spring 2022.

“Exploring Eco-Cognitive Approaches to Digital Composition: A Report and Interactive Data Analytics Session”

Conference on College Composition and Communication: We Are All Writing Teachers: Returning to a Common Place. Spring 2021.

“Rethinking Political Rhetorics of Inclusion/Exclusion”

Rhetoric Society of America: Rhetoric/Hospitality. Portland, OR. Spring 2020.
CANCELED.

“Exploring Eco-Cognitive Approaches to Digital Composition: A Report and Interactive Data Analytics Session”

Conference on College Composition and Communication: Considering our Commonplaces. Milwaukee, WI. Spring 2020. CANCELED.

“Surveillance and Art: Potentials”

Third International Conference on Deleuze and Artistic Research. Ghent, Belgium.
Winter 2019.

“Graduate Assistant Directors and Administrative Agency”

Tutor Collaboration Day. Middle Tennessee State University. Fall 2019.

“Populism Then and Now: Fascism in the Age of Electracy”

Twenty-Second Biennial Conference of the International Society for the History of Rhetoric. New Orleans, Louisiana, Summer 2019

“The Electrate Writing Center”

6th International Academic Writing Symposium. Hanover, Germany, Spring 2019.

“Surveillance as Performative Rhetoric and Writing”

Conference on College Composition and Communication: Performance-Rhetoric, Performance-Composition. Pittsburgh, Pennsylvania, Spring 2019.

“Electrate Perversions”

Watson Conference: Making Future Matter. Louisville, Kentucky, Fall 2018.

- "Self-Care as Embodied Social Justice in the Writing Center"
International Writing Center Association Conference. Atlanta, Georgia, Fall 2018.
- "Administration without Tenure: A Roundtable Discussion on Institutional Positioning and Strategy"
Conference on College Composition and Communication (CCCC): Languaging, Laboring, Transforming. Kansas City, Missouri, Spring 2018.
- "The States and Futures of Digital Rhetorics: A Conversation"
Rhetoric Society of America (RSA): Reinventing Rhetoric. Minneapolis, Minnesota, Spring 2018.
- "Beyond the Closed Fist: Activist Rhetoric and Creative-Critical Scholarship in a Digital Age"
Rhetoric Society of America (RSA): Reinventing Rhetoric. Minneapolis, Minnesota, Spring 2018.
- "The Literacy Fetish: The Exclusion of Digital Emergence"
Mid-South Writing Center Association Conference. Northwest Mississippi Community College. Spring 2018.
- "Looking Back: A History of the Rhetoric of Surveillance"
International Society for the History of Rhetoric. London, United Kingdom, July 2017.
- "What Can We (Not) Do: A Report from a Developing Writing Center"
Conference on College Composition and Communication (CCCC): Cultivating Capacity, Creating Change. Portland, Oregon, Spring 2017.
- "The Rhetoric of Desiring-Surveillance: Diego Velázquez's *Las Meninas* and the Panopticon in the Age of Electracy"
Rhetoric Society of America (RSA): Rhetoric and Change. Atlanta, Georgia, Spring 2016.
- "Crises in Critical Pedagogy: Teaching Activism as/and Rhetoric,"
Conference on College Composition and Communication (CCCC): Risk and Reward. Tampa, Florida, Spring 2015.
- "Everything Is (Becoming) Terrible: Repurposing Rhetorical Garbage Into Digital Art"
Computers and Writing: Evolutions, Revolutions, Convolutions. Pullman, WA, Summer 2014.
- "Towards a New Ecology: Rethinking the Relation Between Technology and 'Natural' Environment"
44th Annual College English Association Conference: Nature. Savannah, GA, Spring 2013.

“Prostechnics: The Originary Coupling of Prosthesis and Technesis in Three Brief Acts”
University of Virginia English Graduate Conference: Subject to Change: Nature,
Text, and the Limits of the Human. Charlottesville, VA, Spring 2013.

“Subject-Object Relations and Aesthetics in Kant and Deleuze and Guattari” 5th
International Deleuze Studies Conference. New Orleans, LA, Summer 2012.

“Potential and Possibility: Technology, Language, and Desire”
Marxism and New Media Conference at Duke University. Durham, NC, Winter 2012.

“Decoding The Arab Spring”
Association of Internet Researchers. Seattle, WA, Fall 2011.

“Cyber-Assemblages: Exploring the Intersections of Deleuze and Guattari and New Media
Technologies”
National PCA/ACA Conference. San Antonio, TX, Spring 2011.

“Telling Stories Around the Pornographic ‘Camp’ Fire: Deflections and Reversals in
Contemporary Pornographic Narratives”
Tufts University English Graduate Organization Conference: Bad Taste. Boston, MA,
Fall 2010.

“Maps and Recalls”
PCA/ACA Southwest/Texas Regional Conference. Albuquerque, NM, Spring 2010.
“Post-Human, All Too Non-Human: Implications of the Cyber-Rhizome”
5th Global Conference on Cybercultures (Inter-Disciplinary.net). Salzburg, Spring 2010.

“Crashing the Page: Implications of the Spatial and Temporal Nature of Hypertext Narratives”
SUNY-Stony Brook Philosophy and the Arts Conference: Narrativity. New York, NY,
Spring 2009.

INVITED PRESENTATIONS AND LECTURES

“The Future of Rhetoric and Writing: Electracy”
Presented to Dr. Ann Duin’s graduate seminar at University of Minnesota. Fall 2020.

“Literacy and Electracy: The Cult of Personality and the Politics of You”
Presented to Bahareh Alaei’s Honors Enrichment Program course at Mt. San Jacinto
College. Spring 2018.

“Rhizomatic Rhetorics”
Presented to Dr. Jeffrey Kirchoff’s ENGK 530: Rhetoric and New Media graduate course
(via Skype) at Texas A&M University – Central Texas. Fall 2016.

“Rhetorical Tactics, Successes, and Productive Failures at the 2008 Republican National Convention”

Presented to Dr. Katherine Fredlund’s Indiana State University upper division Women’s and Gender Studies course that culminates in the organization and execution of Take Back the Night. Fall 2015.

“Searching for Romance On the Road: The Cinematic Rhetoric of Frank Capra’s *It Happened One Night*”

Presented at Indiana State University’s Department of Language, Literatures, and Linguistics “On the Road” Film Festival. Spring 2016.

INVITED PRESENTATIONS AS CWC DIRECTOR

“Strategies for the Coming Days & Getting through the Final Stretch”

Presented as part of the Dissertation Writers Retreat at University of Memphis. Fall 2019.

“Composing in Digital Spaces”

Presented as part of the “Compose Yourself” writing workshops at the Benjamin L. Hooks Central Library, Memphis, TN. Spring 2018.

“Packaging Yourself for the Job Market”

Presented as part of a lecture series for the Graduate Student Senate at the University of Memphis. Fall 2017.

“Introduction to Academic Writing”

Presented to Senior Capstone Project course at the University of Memphis. Fall 2017.

“Research, Citation, and Plagiarism”

Presented to Senior Capstone Project course at the University of Memphis. Fall 2017.

“Using Style in Writing”

Presented as part of the “Compose Yourself” writing workshops at the Benjamin L. Hooks Central Library, Memphis, TN. Spring 2017.

GRANTS AND AWARDS

National Endowment for the Humanities. Digital Institutes: “Post-Truth and Digital Mediation.”

University of Memphis. 2024-2025 (\$173.281). Not Funded

Spencer Foundation. Small Research Grant: “Testing Pedagogical Approaches to Violence and Rhetoric.”

University of Memphis. 2024-2025 (\$39.273.00). Not Funded.

External Funding Stimulus Grant (Internal).

University of Memphis. 2023-2024 (\$10,000). Funded.

Professional Development Assignment.

University of Memphis College of Arts and Sciences, Fall 2022. Funded.

Michael K. Harless Faculty Excellence Award.

University of Memphis College of Arts and Science, 2021 (\$2,500 cash stipend for three years).

Early Career Research Award.

University of Memphis College of Arts and Science, 2021 (\$500 research stipend).

National Endowment for the Humanities Summer Stipends.

"They Shoot [at] Live Toddlers, Don't They?" (\$6,000 for summer writing). Not funded.

Spencer Foundation Conference Grant, Principal Investigator (2 researchers).

"Race, Code, and Language in Digital and Multimodal Composing" (\$36,162). Not funded.

College Composition and Communication Research Initiative Grant, Principal Investigator (4 researchers).

"Electrate Ethnography: Observing and Testing the Composing Processes of Digital and Multimodal Writers" (\$10,000). Received January 2019. Funded (\$8,200).

National Endowment for the Humanities' Digital Advancement Grant, Principal Investigator.

\$50,000 to continue the study of a digital writing lab (4 researchers). Submitted January 2020. Not funded.

National Endowment for the Humanities' Public Scholars Program. \$60,000 to compose a public-facing monograph. Submitted December 2020. Not funded.

University of Florida Department of English Excellence in Graduate Student Teaching Award. 2014-2015.

Bowling Green State University Bookstore/Katzner Grant. \$1,000 for Humanities Research. Spring 2010.

SERVICE

University

- Director, Center for Writing and Communication, 2016-2021

- Faculty Senator, Department of English, 2020-2022
- Committee Member, Software Selection Committee, 2020
- Library Policies Subcommittee, 2020-2021
- Academic Affairs Software Selection Committee, 2020
- Library Working Group Committee, 2020
- Co-chair, Working Group on Budget and Finance Non-Financial Sub-Committee, 2020-2021
- Academic Support and Services Sub-Committee, 2021-2022
- Faculty Appeals Committee, 2023-2025
- Established the Trayvon Martin Scholarship for Social Justice

Departmental

Dissertation Committee Member:

Donald Moore, expected Spring 2021.
 Loren Skye Roberson, Spring 2021. *Chair*.
 Adam Hughes, expected Spring 2023.
 Natacia Davis, expected Spring 2021.
 Rachael Thompson, expected 2021.
 Abdul Hakim, expected 2021.
 Degan Loren, expected 2021.
 Tyler Gillespie, expected spring 2022.
 Alexandra Russell, expected spring 2023.
 Luke Brake, expected fall 2022.
 William Jones, deceased
 Jonathan Bridenbaker, expected 2025.
 Jeffrey Bain, expected 2025.
 Mahdi Mohammadi, (University of New Mexico), expected 2025.
 Mary Berry, expected 2025.
 Brett Lewis, expected 2024.

- Faculty Senator, 2020-present
- Graduate Committee, 2019-2021
- Naseeb Shaheen Memorial Lecture Committee, 2019-present
- Deb Talbot Roundtable on Antiracist Writing Pedagogy Committee, 2019-2021
- Deb Talbot Roundtable Proposal ("Queer(ing) Pedagogy"). Submitted.

National

- Production Editor, *Enculturation*, 2015-2019.
- Rhetoric Society of America Conference Reviewer, 2023.
- Southern Regional Composition Conference, Co-Organizer, 2022-2023.
- Established Neon Sophist

Reviewer:

Southeastern Writing Center Association Conference, 2018.
enculturation, 2019.
Utah State University Press, 2019.
Rhetoric of Health & Medicine, 2019.
Computers and Composition, 2020-2023.
Sparks: A 4C4 Equality Journal, 2019-2020

ORGANIZATION MEMBERSHIPS

Rhetoric Society of America
National Council of Teachers of English
International Writing Centers Association
College Composition and Communication

REFERENCES

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September 17, 2026

Subject: Textbook and Instructional Materials Affordability and Transparency Annual Report

Proposed Action:

Florida International University Board of Trustees approval of the Textbook and Instructional Materials Affordability and Transparency Annual Report.

Background Information:

Pursuant to section 1004.085, Florida Statutes, Education Access and Affordability, requires the Board of Governors and the State Board of Education to annually identify strategies to promote college affordability. Under this statute, all State University System institutions are required to submit a Textbook and Instructional Materials Affordability and Transparency Report that describes the institutional processes of selecting, adopting and posting course materials as well as undergraduate core curriculum course syllabi. In addition, the report must include an overview of institutional initiatives and policies designed to reduce the costs of course materials and promote college affordability.

Pursuant to Florida Board of Governors Regulation 8.003, Textbook and Instructional Materials Affordability and Transparency, each university board of trustees shall provide a report, by September 30 of each year, to the Chancellor of the State University System, in a format determined by the Chancellor.

Supporting Documentation: Textbook and Instructional Materials Affordability and Transparency Annual Report

Facilitator/Presenter: Heather D. Russell

Textbook and Instructional Materials Affordability Annual Report

Instructions

1. Complete each tab/worksheet as designed. The template reflects the interpretation of the reporting requirements by Board staff.
Do not edit the content of the template. Expand the response space as needed.
2. **Submit the report in Excel.** The signatures may be submitted in PDF format. Statutory due date is September 29, 2026.
3. If there are questions, contact Ryan Ford, Policy Associate, at Ryan.Ford@flbog.edu
4. Include the university contact name and email for the staff who completed the report below:
5. Please note some cells are auto-calculated and do not require you to enter a figure. These cells are green.

University Contact Name and Email: Leanne Wells, lwells@fiu.edu

Textbook and Instructional Materials Affordability Annual Report
Fall 2025 and Spring 2026

University Submitting Report: Florida International University

Date Approved by the University Board of Trustees:

Signature of Chair, University Board of Trustees:

Signature of President:

Textbook and Instructional Materials Affordability Annual Report

Attestations — Faculty/Instructor Review of Required Course Materials

Per Regulation 8.003(1)(a), each university board of trustees shall adopt a regulation that outlines a process for textbook and instructional materials approval and adoption and establishes textbooks and instructional materials affordability policies to minimize the cost of required or recommended textbooks and instructional materials for students while maintaining the quality of education and academic freedom. The regulation shall provide that the faculty or instructor must review all required course materials for each course they teach each semester. If the university is using an adjunct or temporary instructor for a course and has selected the materials for the course, the individual responsible for selecting the materials for that course must complete the attestation. Additionally, per Board of Governors Regulation 8.003(6), all faculty or instructors must attest that they will review all required materials for each course they teach each semester before the materials are presented or assigned to students. Materials include but are not limited to textbooks, test and assignment questions, assigned and supplemental readings, and any other instructional material the faculty member plans to assign to students to read and review in the course. Faculty or instructors must attest that the materials are appropriate for the course and submit the attestation in accordance with university policy.

Method for Collecting Attestations

Describe the method for collecting the faculty and instructor attestations that they have reviewed all course materials each semester.

As with many compliance-related processes at FIU, the Course Materials Attestation process is administered through Develop, the faculty-facing environment within the Canvas platform. Each semester, a Course Materials Attestation course is created, and all faculty listed as primary instructors are enrolled through an interface with the University’s course scheduling system. The university publishes the official attestation deadline on the Faculty Calendars page (onestop.fiu.edu/academic-calendar/faculty-calendars/). The deadline is the first day of each semester.

When the attestation course opens approximately two weeks prior to the first day of class, faculty, department chairs, and designated college liaisons are notified by email. Regular reports identifying pending attestations are then distributed through the end of the drop/add period to capture modifications to the schedule. The process is repeated at the beginning of the B term. A report is conducted on the second day of class to determine compliance and notify chairs and college liaisons of past due attestations.

Within the Course Materials Attestation course, faculty have access to the applicable regulatory language, the definition of “instructional materials,” frequently asked questions, and an embedded Qualtrics survey used to complete the attestation. Faculty are first asked:

1. Considering all courses for which you are assigned the role of primary instructor in [Relevant Semester], are there any required course materials?
2. Are you a course coordinator, chair of a textbook selection committee, or serving in a similar role in which you select required course materials for others teaching a [Relevant Semester] course?

Faculty who respond “yes” to either question are required to provide a signature affirming the following:

1. I attest that I have reviewed or will review all required course materials for my course(s) prior to presenting or assigning them to students.
2. I attest that all required course materials presented or assigned to students in my course(s) will be appropriate for the respective course(s).

Because the attestation questions are administered through a Qualtrics survey embedded within the Develop course, both the Qualtrics survey data and the Develop gradebook serve as redundant repositories for attestation compliance data. Using this methodology, FIU has consistently met or surpassed the 95% mark for each semester.

University Certification of Attestation Compliance

The university has adopted a regulation and implemented a process requiring all faculty and instructors to attest that they have reviewed all required course materials each semester, in accordance with Board of Governors Regulation 8.003, and that the university will provide updates to the Chancellor upon request on compliance with this section.

☐	Yes, the university is in compliance with the attestation requirement
☐	No, the university is not in compliance with the attestation requirement

Textbook and Instructional Materials Selection Process

Report the textbook and instructional materials selection process used for general education courses with high enrollment. Include the course prefix(es) and number(s), the course title(s), and the total number of courses (*n*=). In column "F," use the drop-down arrow in each cell to select the appropriate selection process. The methodology for determining high enrollment courses is as follows: *Order courses (course prefix/number) by headcount enrollment, excluding honors courses. The top 10% of courses are determined as high enrollment.*

General Education Courses with High Enrollment		Total Number of Course Sections (<i>n</i> =)	Selection Process	If "other," describe
Course Prefix & Number	Course Title			
ENC 1102	Writing and Rhetoric II	214	Department Committee	
AMH 2020	Amer Hist Since 1877	86	Combination of the Above	
SPC 2608	Public Speaking	105	Other (Describe in Column	Course director decides
ENC 1101	Writing and Rhetoric I	113	Department Committee	
MAC 1105	College Algebra	64	Department Committee	
MUL 1010	Music Lit/Appreciation	25	Combination of the Above	
BSC 2010	General Biology I	16	Combination of the Above	
ECO 2013	Principles Macroeco	38	Combination of the Above	
ECO 2023	Principles Microeco	31	Combination of the Above	

Course Sections with No Cost for Textbooks/Instructional Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that did not require or recommend the purchase of a textbook(s)/ instructional materials and/or utilized open educational resources. These may include general education courses, upper level courses, and courses for directed independent study, internships, thesis/dissertation, etc. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2025	
Total Number of Course Sections Offered (Including Exceptions)	7501
Total Number of Course Sections Offered with No Cost Materials	3817
Percent of Course Sections with No Cost Materials (Auto-Calculated)	51%

Spring 2026	
Total Number of Course Sections Offered (Including Exceptions)	7358
Total Number of Course Sections Offered with No Cost Materials	3754
Percent of Course Sections with No Cost Materials (Auto-Calculated)	51%

Board Action Plan - Low Cost Course Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that required or recommended textbook(s)/instructional materials for \$20 or less per credit hour (e.g., \$60 or less for a three-credit-hour course), which meets the State University System of Florida Action Plan for the Pricing of Textbooks and other Instructional Materials. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2025	
Total Number of Course Sections Offered (Including Exceptions)	7501
Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour	4,486
Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)	60%

Spring 2026	
Total Number of Course Sections Offered (Including Exceptions)	7358□
Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour	4420
Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)	60%

Describe specific initiatives of the institution designed to reduce the costs of textbooks and instructional materials.

Collective Textbook Affordability Efforts at FIU

The collective efforts spearheaded by the Textbook Affordability Task Force consisting of members from FIU Online, the FIU libraries, Center for the Advancement of Teaching, our bookstore partner Barnes & Noble, and multiple faculty and administrators ensure that low- and no-cost materials are made available to our students through multiple strategic approaches:

Barnes & Noble Textbook Affordability Initiatives

FIU Barnes & Noble bookstores continue to offer cost savings through alternative formats such as used, rental and digital textbooks with new titles continuously added. Students may save as much as 80% by purchasing textbooks in alternative formats offered. The Price Match Program, originally started in Spring 2016, also passes savings on to students where applicable.

The 2025-2026 academic year saw continued growth in students choosing to participate in FIU’s inclusive access program branded as “Panther Book Pack”, which was first launched in Fall 2021. In Fall 2025, a total of 22.9% of undergraduates opted out (compared to 28.1% in Fall 2024 and 33.5% in Fall 2023); and in Spring 2026 a total of 19.8% opted out (compared 26.3% in Spring 2025 and 32.7% in Spring 2024). This indicates that more and more students understand the value of the program and choose to participate. Barnes & Noble reports that the Panther Book calculated savings for Fall 2025 and Spring 2026 is \$10,847,866, a cost saving of 42% on course materials. In an April 2026 student survey, 96% of respondents indicated that they were likely to participate in the program in the future and 93% agreed that, with the program, they were better prepared for the academic term.

Our undergraduate course sections (Fall 2025: 5,114 or 68.18%; Spring 2026 4,993 or 67.85%) meet the BOG Action Plan for the Pricing of Textbooks and other Instructional Materials since the Panther Book Pack makes all required course materials available to our students at \$20.50 per credit hour.

FIU Libraries

The FIU Libraries continue to support faculty in shifting to new models for course materials and providing access to e-resources with unlimited simultaneous user access. The collection development mission is to purchase e-materials whenever cost effective, feasible, and possible. The libraries have access to over 2 million e-books and subscribe to more than 1,200 databases.

Many faculty reach out to their library subject liaison to request e-books and other online materials. Oftentimes, these materials are easily obtainable in electronic formats or librarians suggest alternatives. Librarians, in tandem with faculty, have curated 392 Library Research Guides that are updated and improved with content that is cost-free to students and can be embedded in Canvas.

The OER Library Research Guide provides alternative textbook options and Course Reserves is a service available to FIU faculty to house pertinent course materials available to students free of charge. The Library Access Services department reports that from June 2025 through May 2026, the Course Reserve repository consisted of 12,164 items that were checked out by students (a slight decrease from last year). In compliance with copyright law, loan types include books, bound journals, articles, games, and equipment such as laptops, headphones, and tablets.

Affordability Counts

For nearly a decade, FIU’s Affordability Counts initiative has championed the adoption of low-cost course materials across Florida, helping thousands of students save money while maintaining high-quality learning experiences. In partnership with institutions such as the University of Central Florida, University of North Florida, University of South Florida, Florida A&M University, Florida Atlantic University, and Lake Sumter College, faculty have embraced open educational resources (OER) and other affordable materials that do not exceed \$20 per credit hour.

Faculty who meet these standards in their course earn the Affordability Counts Medallion, a digital badge displayed in their courses and featured in the statewide searchable database (<https://affordabilitycounts.org>), developed and maintained by FIU Online. In 2025–2026, the website and database received over 3,265 visits and 9,525 page views, continuing to serve as a valuable knowledge-sharing tool for instructors seeking to integrate low-cost materials. FIU Online continues to reimagine Affordability Counts, building on its strong foundation while exploring innovative strategies that reflect today’s rapidly evolving retail textbook landscape.

Financial Aid Textbook Advance

Students receiving financial aid may apply for a book advance through the Office of Financial Aid. This aid ensures that students can purchase their course materials prior to the start of the semester and are prepared for class on the first day. Through increased communication at Orientation and personal communications from both academic and financial aid advisors, students availing themselves of Textbook Advances increased by 697 students (+43%) with an increase in the total textbook aid of \$196,555.15 (+38%).

Term: Fall 2025
Count: 1,327
Sum of Accepted: \$405,059.75

Term: Spring 2026
Count: 982
Sum of Accepted: \$315,082.49

Grand Total AY 2024-2025
Count: 2,309 and Sum of Accepted: \$720,142.24

Public Posting of Textbook Adoptions and Syllabi

In compliance with BOG Regulation 8.003 Textbook and Instructional Materials Affordability and Transparency, FIU implemented the public Textbook and Instructional Materials (TIM) Explorer portal at <https://tim.fiu.edu> in July 2022. The TIM Explorer is a searchable database to view, search and print required and recommended textbooks and instructional materials across all FIU courses for five years. Undergraduate Core Curriculum (UCC) syllabi were initially accessible via the TIM Explorer as well but were transitioned to our new syllabi portal at <https://fiu.simplesyllabus.com> effective Fall 2023. In Spring 2026, all FIU non-exempt course syllabi are available on the Simple Syllabus Portal. The third-party provider, Simple Syllabus, allows FIU faculty to enter and maintain their syllabi information centrally and ensures that all syllabi are posted as stipulated by the BOG.

Has the *opt-in* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has this had on student savings, if any.

The University has not implemented an opt-in program.

If the *opt-in* provision has been implemented, is this option determined by individual faculty deciding if the course/section participates, with students able to opt-out for each participating course if they wish to purchase course materials independently? Or, are all courses in a program, college, or the university participating with a flat fee per credit hour or term added to a student's account alongside tuition and fees, where students can opt-out requiring them to obtain all course materials independently?

The University has not implemented an opt-in program.

Has the *opt-out* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has this had on student savings, if any.

Barnes & Noble Textbook Affordability Initiatives

FIU Barnes & Noble bookstores continue to offer cost savings through alternative formats such as used, rental and digital textbooks with new titles continuously added. Students may save as much as 80% by purchasing textbooks in alternative formats offered. The Price Match Program, originally started in Spring 2016, also passes savings on to students where applicable.

The 2025-2026 academic year saw continued growth in students choosing to participate in FIU’s inclusive access program branded as “Panther Book Pack”, which was first launched in Fall 2021. In Fall 2025, a total of 28.1% of undergraduates opted out (compared to 28.1% in Fall 2024 and 33.5% in Fall 2023); and in Spring 2026 a total of 19.8% opted out (compared 26.3% in Spring 2025 and 32.7% in Spring 2024). This indicates that more and more students understand the value of the program and choose to participate. Barnes & Noble reports that the Panther Book calculated savings for Fall 2025 and Spring 2026 is \$10,847,866, a cost saving of 42% on course materials. In an April 2026 student survey, 96% of respondents indicated that they were likely to participate in the program in the future and 93% agreed that, with the program, they were better prepared for the academic term.

Our undergraduate course sections (Fall 2025: 5114 or 68.18%; Spring 2026 4,993 or 67.85%) meet the BOG Action Plan for the Pricing of Textbooks and other Instructional Materials since the Panther Book Pack makes all required course materials available to our students at \$20 per credit hour.

University Policies for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline
Describe policies implemented to ensure the posting of textbooks and instructional materials for at least 95% of all courses and course sections 45 days before the first day of class. Are the policies effective in meeting the reporting requirement? If not, what measures will be taken by the university to increase faculty and staff compliance for meeting the reporting requirement?
FIU requires textbooks be submitted approximately 30 days prior to the 45-day state deadline. The institutional deadlines are posted on the FIU Faculty Calendars website (https://onestop.fiu.edu/academic-calendar/faculty-calendars/). The current calendar has institutional deadlines through Summer 2029. FIU also maintains a Textbook and Instructional Materials Affordability Faculty Information page (https://provost.fiu.edu/duties-and-responsibilities/reporting-units/office-of-faculty-leadership-success/textbook-affordability/faculty-info.html) that provides faculty with access to the Board of Governors Regulation 8.003 language, frequently asked questions, access to the textbook adoption and attestation platforms, links to sites resources for locating affordable materials (including OER), annual reports and regulations, and links to the information on the Panther BookPack (see more below). Additionally, both the FIU Faculty Handbook (p. 42 - 44, https://provost.fiu.edu/_assets/docs/faculty-handbook.pdf) and the FIU Regulation 1103 have been updated to align with the expectation that faculty adopt textbooks by the institution deadline. In practice, emails are sent to all faculty that are scheduled as primary instructors, their department chairs and associated college liaisons several weeks prior to the institutional deadline with regular follow-up emails to ensure a 95% compliance minimum. Additionally, while our textbook partner is not able to provide the required information for all adopted textbooks via their systems, FIU uses an institutional template that requires all mandatory textbook information using required fields (i.e. ISBN, Publisher, etc) be entered before the syllabus can be published. FIU's syllabus posting website, Simple Syllabus, is searchable for textbooks and instructional materials. These policies and practices have been effective in allowing faculty to meet this requirement at the state deadline - Fall 2025 (96%) and Spring 2026 (97)%.

Describe policies implemented to ensure the posting of the syllabus for each course and course section (with the exception of a course syllabus for individualized courses, such as directed individual studies, internships, thesis, dissertation defense, and performance) 45 days before the first day of class. Are the policies effective in meeting the posting requirement? If not, what measures will be taken by the university to meet the posting requirement?
FIU requires textbooks be submitted approximately 3 weeks prior to the 45-day state deadline. The institutional deadlines are posted on the FIU Faculty Calendars website (https://onestop.fiu.edu/academic-calendar/faculty-calendars/). The current calendar has institutional deadlines through Summer 2029. FIU uses Simple Syllabus (https://fiu.simplesyllabus.com/en-US/syllabus-library) as its syllabus posting platform that is publically accessible and searchable. FIU uses an institutional template that requires all mandatory mandatory syllabus content be entered using required fields (i.e. Student Learning Outcomes, Expectations of the Course, Textbook and Instructional Materials, etc.) be entered before the syllabus can be published. Additionally, both the FIU Faculty Handbook (p. 48 - 53, https://provost.fiu.edu/_assets/docs/faculty-handbook.pdf) and the FIU Policy 300.010 Course Syllabus Requirements Policy have been updated to align with the expectation that faculty adopt textbooks by the institution deadline. Additionally, FIU maintains the Syllabi @ FIU (syllabi.fiu.edu) webpage with dedicated pages for both students and faculty. The faculty page includes links to Simple Syllabus, the FL BOG Regulation 8.003, the Faculty Handbook, and the FIU Syllabus Policy as well as resources for using the Simple Syllabus platform. FIU's Educational Technology Services and its Center for the Advancement of Teaching co-host Simple Syllabus and syllabus design workshops and open houses. These policies and practices have been effective in allowing faculty to meet this requirement.

Published List of Required and Recommended Textbooks and Instructional Materials	
Use the drop-down options to confirm the published list of required and recommended textbooks and instructional materials for all courses and course sections includes the following information. *Note: Individualized courses, such as directed individual studies, internships, thesis, dissertation defense, and performance, are exempt from this requirement.	
Information Required	Affirm Information is Included
International Standard Book Number (ISBN) or Other Identifying Information	Included
Title	Included
All Authors Listed	Included *
Publishers	Included
Edition Number	Included
Copyright Date	Included *
Published Date	Included *
Searchable by Course Subject, Course Number, Course Title, Name of Instructor, Title of Material, and Author(s) of Material	Included
Material Information is Easily Downloadable by Current and Prospective Students	Included

* Fields that are not reported from our textbook partner are entered manually by faculty in the FIU syllabus template in Simple Syllabus prior to being able to publish the syllabus.

Link to Published List of Required and Recommended Textbooks and Instructional Materials
Provide an active link to the webpage housing the information listed under "Published List of Required and Recommended Textbooks and Instructional Materials."
https://fiu.simplesyllabus.com

Published Course Syllabi	
Use the drop-down for options to confirm that the syllabus for each course and course section is published and includes the required information. *Note: Individualized courses, such as directed individual studies, internships, thesis, dissertation defense, and performance, are exempt from this requirement.	
Course Syllabi	Affirmation
The syllabus for each course and course section that is not exempt from the requirement is published on the university website	Included

Information Required	Affirm Information is Included
Course Curriculum	Included
Goals, Objectives, and Student Expectations of the Course	Included
Required and Recommended Textbooks and Instructional Materials	Included
How student performance is measured	Included

Link to Published List of Course Syllabi for All Courses and Course Sections
Provide an active link(s) to the webpage(s) housing the information under "Published Course Syllabi."
https://fiu.simplesyllabus.com

Exceptions

Per Board of Governors Regulation 8.003(1)(h), Textbook and Instructional Materials Affordability, any request for an exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2025				
Total # of Course Sections (Not Including Exceptions)	# of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column A + Column B) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
5463	2038	7501	27%	Class location, class ty

Spring 2026				
Total # Of Course Sections (Not Including Exceptions)	# Of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column G + Column H) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
5333	2025	7358	28%	Class location, class ty

University Requirements for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline

Use the tables below to report the total number of course sections offered at the 45-day posting deadline, the number of course sections that met the posting requirement, the number of course sections that changed materials after the posting deadline, and the number of course sections that did not meet the posting requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2025					
Total Course Sections at the 45-Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
5,463	5,247	96.05%	34	217	3.97%

Spring 2026					
Total Course Sections at the 45-Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
5,333	5,169	96.92%	32	166	3.11%

****Note:** Per Board Regulation 8.003 (1) (h), a course or course section added after the posting requirement is considered an exception and should be reported on the "Exceptions" tab. A request for any other exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement.

ACADEMIC AFFAIRS REGULAR REPORTS

- I. Academic and Student Affairs**
- II. Florida International University and Baptist Health South Florida Collaboration**
- III. Information Technology**
- IV. Research and Economic Development / University Graduate School**

I. ACADEMIC AND STUDENT AFFAIRS

1. Career and Talent Development Launches Labor Market Insights Platform to Advance Data-Informed Career Readiness

This summer, FIU's Career and Talent Development department launched Labor Market Insights, a new workforce intelligence platform fully integrated into the university's uConnect-powered Career Hub (career.fiu.edu). Available to all students, alumni, faculty, staff, and administrators, the platform provides real-time labor market data powered by Lightcast, including employment trends, salary information, in-demand skills, career pathways, and top employers hiring by industry and region. The resource helps users connect academic pursuits to workforce outcomes and supports informed decision-making related to majors, career exploration, job searches, and professional development.

2. College Board CLEP – Top 20 National Excellence Testing Center Recognition

The College Board again recognized FIU's Center for Testing and Career Certification as one of the Top 20 CLEP Testing Centers in the nation. CTCC has been chosen from among thousands of institutional test centers. In the same quarter, CTCC also secured the DANTES Fully Funded CLEP designation, enabling military personnel, eligible spouses, and DoD/war civilian employees (Air Force) to test at no cost under full government funding. This dual recognition reinforces FIU's leadership and commitment to Prior Learning Assessment (PLA) and directly accelerates degree completion for many of our students. Access to the CLEP program at FIU significantly reduces student costs and improves time-to-graduation metrics.

3. Panthers' F1RST NIGHT 2026: Record-Breaking Start to the Academic Year

On Monday, August 24, FIU welcomed students, families, faculty, staff, alumni, and community members to Panthers' F1RST NIGHT, the university's signature kickoff celebration for the new academic year held at Pitbull Stadium. The event is designed to welcome new Panthers, connect students with campus resources and organizations, and celebrate the start of the academic year through a university-wide experience.

This year's event was the largest Panthers' F1RST NIGHT in FIU history, drawing more than 17,000 attendees, representing a 41.6% increase in attendance over 2025.

Panthers' F1RST NIGHT continues to serve as a powerful demonstration of FIU's commitment to student engagement and Panther pride. The record-setting attendance and enthusiastic participation underscore the strength of the FIU community and the university's ongoing efforts to create meaningful experiences that support student success from their very first day on campus.

4. Enrollment Report

University Enrollment

The Common Application opened on August 1 for the first-year class of 2027. Our admission plan for the upcoming FTIC class will be similar to the class of 2026, with two non-binding early action deadlines: one for students applying from Florida high schools and one for students applying from non-Florida high schools.

Early Action 1	Early Action 2	Regular Decision
Deadline November 2	Deadline December 16	Deadline March 2
Notification December 10	Notification January 21	Final notification April 2
Deposit May 1	Deposit May 1	Deposit May 1

Preview FIU was held on August 15. The event included an application lab, admissions information session, campus tours, and presentations from various units across campus. This event was the first of two major on-campus recruitment events; the second, for prospective scholars, will be held in conjunction with Family Weekend on September 26. We continue to host daily campus tours, in addition to tours on the first Saturday of each month.

Transfer and Transition Services and Connect for Success

Transfer and Transition Services (TTS)

The TTS course equivalency and transfer credit processing teams reviewed nearly 2,300 summer matriculants. The team is currently reviewing academic records for incoming fall transfer students. In addition, we have articulated 95,405 domestic rules publicly available on our Transfer Equivalency Database (TED). The team processed 7,101 credit-by-exams for 1,886 unique students, the majority for first-year students.

TTS, in partnership with the Office of Academic Planning and Accountability and the Urban Adult Learner Institute (UALI), launched FIU's first learning cohort during the spring 2026 term, with 43 participants from across the university. Designed for student-facing professionals, the cohort provided participants with a deeper understanding of the unique experiences, needs, and challenges of adult learners and strategies for more effectively supporting this population. Participants completed four online sessions, one in-person session, and associated learning activities, earning an Adult Learner Advocate digital badge upon completion. This initiative represents an important step in scaling adult learner expertise across FIU by equipping staff in multiple areas of the university with the knowledge and skills to better serve this student population. A second cohort is scheduled to begin in fall 2026.

FIU Connect4Success (C4S)

Between May 8 and August 10, 2026, Bridge Advisors met with 716 students through individual appointments and drop-in advising. Students most frequently sought support with transition planning, course selection, and major requirements.

As of August 10, 2026, the new C4S cohort, including students invited to participate, has reached 2,000 students, compared with 1,568 at the same point last year. We anticipate 200–300 students joining in the spring 2027 term, completing this year's cohort.

II. FLORIDA INTERNATIONAL UNIVERSITY AND BAPTIST HEALTH SOUTH FLORIDA COLLABORATION

1. Joint Graduate Medical Education

The FIU-Baptist Health Education Subcommittee continues to advance graduate medical education growth, program development, and organizational infrastructure across the academic enterprise. During the quarter, the committee reviewed and advanced recommendations for several new residency and fellowship programs, including Gynecologic Oncology, Pulmonary Disease and Critical Care Medicine, Urogynecology and Reconstructive Pelvic Surgery, Vascular Neurology, Vascular Surgery (Integrated and Independent), and Thoracic Surgery (Integrated). The committee also endorsed complement increases for the Internal Medicine and Orthopedic Surgery residency programs to support continued growth and

workforce development needs. Additional program development efforts remain underway for Anesthesiology and Radiation Oncology, including identification of program leadership, and operational planning. Planning efforts included administrative staffing enhancements, trainee onboarding processes, and facility readiness to accommodate future program growth.

2. Joint Research Initiatives

Research leadership remains focused on strengthening the infrastructure, talent pipeline, and collaborative programs that support growth of the FIU-Baptist Health research enterprise. During the second Pilot Projects Program funding cycle, six collaborative pilot projects were approved, with a strong emphasis on translational research focused on advancing novel therapies, biomarker discovery, and technology-enabled approaches to improve patient care and clinical outcomes. Faculty recruitment efforts continued across several strategic research areas, with multiple candidates progressing through evaluation, site visits, and offer discussions. Current activities have focused on assessing investigator demand, sustainability models, and partnership opportunities across FIU.

3. Clinical Assessment

The Ambulatory Care Center (ACC) maintained favorable productivity trends, with month-over-month encounter volumes continuing to increase with performance exceeding initial projections. Growth has been driven by expansion of specialty services, including the addition of Baptist Brain & Spine and Baptist Health Orthopedic Care. Planning for the future medical center continued through business plan reconciliation efforts, while discussions regarding the PET Cyclotron lease and long-term Baptist Health anchor site alignment have progressed. MRI services at the ACC continue to increase following a March go-live, with efforts focused on increasing utilization and improving access.

4. Joint Marketing

Graduate medical education marketing efforts continued to expand through the development of new residency and fellowship program webpages, recruitment materials, digital content, and promotional assets designed to support trainee recruitment and program awareness. Coordinated social media campaigns highlighted new fellowship programs, resident and fellow achievements, collaborative educational activities, and other milestones across the academic enterprise. Significant progress was also made on development of a unified co-branded identity across both organizations. Work is underway on interior, exterior, and wayfinding signage for the future Helen and Jacob Shaham Academic Medical Center, while signage concepts for Baptist Hospital have also advanced.

5. Medical Center

Planning and execution activities for the Helen and Jacob Shaham Academic Medical Center continued to advance. Medical equipment planning is underway, with final equipment layouts and procurement planning moving toward completion. Construction milestones remained on track, including completion of site tree relocations and continued advancement of utility and infrastructure work. Current project schedules continue to maintain target with operational activation and patient services planned for April 3, 2028.

III. INFORMATION TECHNOLOGY

1. Panther AI and AI-enabled workflows

The Division of IT is actively supporting FIU in leading transformative AI in higher education—championing initiatives that drive innovation, foster academic growth, amplify research impact, and serve the broader university community.

PantherAI was first introduced on the FIU Mobile App in Spring 2026, delivering dynamic, real-time assistance that helps users navigate campus services, resources, and institutional information. Unlike

generic public AI models, PantherAI provides a secure, role-based experience strictly grounded in verified FIU documentation and approved data sources.

Building on this foundation, the Division expanded PantherAI to the web in Summer 2026 alongside the launch of the PantherAI Portal—a unified agent marketplace featuring purpose-built assistants designed for students, faculty, and staff. Among these new tools is the Travel & Expense Assistant, which acts as a practical compliance guide for domestic and international travel policies to help employees submit accurate requests from the start.

The university has also launched the first two of four planned Human Resources AI modules: Resume Match, which allows applicants to compare their skills against open positions for better-targeted submissions, and Minimum Qualifications Screening, which automatically evaluates candidates against minimum position requirements to accelerate the hiring process. Finally, the automated Travel and Expense Report process now leverages generative AI to perform initial receipt analysis against FIU guidelines and State of Florida statutes, enabling auditors to complete review and approval cycles faster than ever before.

2. Google for Education

During the fall 2026 semester, the division will introduce Google Gemini for Education, a suite of enterprise artificial intelligence tools to faculty, staff, and actively enrolled students to support academic instruction, research, collaboration, and administrative efficiency.

Integrated across select Google Workspace applications, Google Gemini enhances campus-wide productivity by offering intelligent writing support, automated text summarization, structured study tools, data insights, and creative content generation to optimize both daily operations and academic research. Additionally, specialized Google AI tools—such as Colab, AI Studio, and Workspace Studio—will be available upon request.

Access to Google Gemini will be managed exclusively through university-provisioned Google Workspace accounts, requiring users to log in with their standard FIU credentials. The service will be limited to select Google applications and features included under the university's enterprise offering. Furthermore, this deployment will operate alongside and complement FIU's existing suite of enterprise artificial intelligence technologies, including its supported Microsoft services.

3. Cybersecurity Education and Workforce Development

The division is committed to cybersecurity education to protect digital resources and help generate talent to minimize the gap in the workforce. For the tenth year in a row, the Division of IT along with several industry partners, hosted the Secure Miami Cybersecurity Conference in May 2026. This year's theme, "Securing the AI-Powered, Hyperconnected World," explored how security professionals can deliver measurable impact while navigating an expanding threat landscape driven by AI, rapid software development, and growing "self-inflicted" risks such as shadow AI and unsafe automation. This year's conference was attended by over 350 cybersecurity professionals from enterprise, government, healthcare, finance, and education.

Additionally, the division, in collaboration with the Jack D. Gordon Institute for Public Policy, and New America hosted the annual NICE Conference and Expo in Philadelphia, Pennsylvania from June 1 – 3, 2026. Centered on the theme "From Foundations to the Future: Transforming the Cybersecurity Workforce," the conference celebrated the foundational achievements that have shaped the community, while highlighting forward-thinking approaches to emerging technologies and shifting workforce demands. Through engaging keynotes, panels, and discussions, over 450 participants explored practical solutions to today's threats while laying the groundwork for a more secure future.

IV. RESEARCH AND ECONOMIC DEVELOPMENT / UNIVERSITY GRADUATE SCHOOL

1. External Grant Awards' Performance

In Fiscal Year (FY) 2025-2026, the total value of awards received was \$228.1 million, reflecting a .40% increase from the previous year's \$227.3 million. This small increase can be attributed to two primary factors: the termination of federal government grants, and delays in the awarding and continuation of federal grants resulting from changes within federal agencies. Despite the small increase, several academic units demonstrated notable growth. The Robert Stempel College of Public Health and Social Work received \$29.5M, representing a 2% increase from the previous year's \$28.9M. Overall, awards received by centers and institutes increased by 30%, from \$101M to \$131M. Among the centers, the International Hurricane Center (IHC) experienced a 273% increase, from \$6M to \$22.4M. This growth was supported by an agreement between FIU Board of Trustees (BOT) and the State of Florida regarding the *Wall of Wind Hurricane and Storm Surge Simulator*, which accounted for more than half of the increase in awards. The Center for Internet Augmented Research and Assessment (CIARA) also experienced significant growth, increasing by 321% from \$2.5M to \$10.4M. This increase was supported by an initial \$9M award from the National Science Foundation (NSF) for *AmLight: The next frontier towards discovery in the Americas and Africa*. In terms of agency funding, federal funding accounted for 70% of total awards, down from 77% in the previous year, which reflects the changes in federal research funding. Private and other sources comprised 7%, down from 11%, while state and local government sources contributed 23%, up from 12%.

Proposals for grants increased 3%, from 1,200 proposals in FY 2024-2025 to 1,231 proposals in FY 2025-2026. The amount of money requested in proposals increased by 5%, from \$951M to \$997M. This is the second-highest amount of funding proposed in FIU's history.

2. Innovation, Partnerships and Economic Development

During fiscal year 2025–2026, FIU continued to support faculty commercialization, entrepreneurship, and student innovation, resulting in \$675,000 in competitive grant awards. Five faculty teams received \$250,000 through the national NSF I-Corps program, while Florida Sea Grant awarded \$250,000 and an engineering project was recommended for a \$150,000 Colorado OEDIT proof-of-concept award. A student team also won \$25,000 through the Ford College Network competition. Faculty commercialization workshops were offered six times during the year, while weekly Hacker Nation sessions provided ongoing support for students.

FIU continued its work on the \$10.3M, five-year EDA Risk & Resilience Tech Hub in partnership with the University of Miami, Titan America, and Carbon Limit to develop and commercialize innovative infrastructure materials. The initiative also strengthened support for startups and companies within the Tech Hub ecosystem, with local events providing training and resources to 421 community members. A joint entrepreneurship education proposal was also submitted to the Israeli Innovation Authority.

In addition, during FY 2025-2026, FIU researchers submitted 88 invention disclosures, with 58 patents awarded during calendar year 2025. The university executed 27 licenses and options, generating \$503,514.73 in licensing income. Two startup companies were also established during the year.

3. University Graduate School (UGS)

In Fiscal Year (FY) 2025-2026, FIU awarded a university-record 290 research doctoral degrees (PhD/EdD/DBA), an increase of 49 from the previous year. As of June 1, 2026, FIU received 3,182 Ph.D. applications, up 3%, while master's applications decreased 8% to 10,517 and specialist applications increased 5% to 58. Overall admissions decreased 2%, with 53 fewer Ph.D. students (-8%) and 61 fewer master's students (-1%), while specialist admissions increased by 5 students (+26%).

Graduate enrollment decreased by 233 students (-5.5%) from the previous year, including 30 fewer Ph.D. students (-6%) and 206 fewer master's students (-5.5%). Specialist enrollment in CASE increased by 3 students (+18.8%). Doctoral enrollment increased in International and Public Affairs (+5), Nursing and Health Sciences (+3), and Medicine (+3), while decreases occurred in Engineering (-15), CASE (-13), Business Administration (-11), Public Health (-1), and Communication, Architecture and the Arts (-1). Master's enrollment declined in Business Administration (-126), CASE (-37), International and Public Affairs (-36), Public Health (-20), Hospitality and Management (-17), and Nursing and Health Sciences (-11). Small increases were reported in Medicine (+1) and Communication, Architecture and the Arts (+1).

During AY 2025–2026, the University Graduate School (UGS) expanded initiatives supporting graduate student success, mentorship, and professional development. UGS piloted scenario-based mentoring training with two sessions, with over 90% of participants reporting they were very satisfied. The Writing Mentorship Program and partnership with the Center for Excellence in Writing continued, along with Dissertation Writing Retreats and workshops on graduation, dissertation milestones, and ETD completion. Through the Publication Fund, UGS awarded 25 students up to \$2,500 each to support peer-reviewed publications. UGS also introduced a four-part science communication workshop series and launched the Graduate Peer Mentors Program, selecting 20 doctoral peer mentors from 51 applicants representing 17 programs.

UGS celebrated graduate achievement through Graduate Student Appreciation Week, which featured a record 169 Scholarly Forum submissions and 140 poster participants, as well as the annual 3MT competition with 10 doctoral students and 78 attendees. The annual Excellence Awards recognized outstanding students, faculty, and staff, with 67 awardees and guests attending. UGS also hosted the PhD Futures event, with 93 students participating in academic and industry career sessions, and continued fellowship programs, including Housing Fellowships that provided free housing to 20 students at The One. UGS staff participated in national and state graduate education conferences, including the Council of Southern Graduate Schools, NASPA, and Council of Florida Graduate Schools, sharing UGS initiatives and supporting student presenters.