

FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE

Friday, June 2, 2017 9:30 a.m. **approximate start time* Florida International University Modesto A. Maidique Campus College of Business Special Events Center, Room 233

Committee Membership:

Cesar L. Alvarez, *Chair*; Natasha Lowell, *Vice Chair*; Jose J. Armas; Dean C. Colson; Michael G. Joseph; Marc D. Sarnoff; Krista Schmidt; Kathleen L. Wilson

AGENDA

. Call to Order and Chair's Remarks		Cesar L. Alvarez		
Appro	val of Minutes	Cesar L. Alvarez		
3. Action Items				
AP1.	Tenure Nominations	Kenneth G. Furton		
AP2.	Tenure as a Condition of Employment Nominations	Kenneth G. Furton		
AP3.	Amendments to FIU Regulation 1103, Textbook Affordability	Kenneth G. Furton		
AP4.	Program Termination: Bachelor of Science in Statistics	Elizabeth M. Bejar		
AP5.	New Program Proposal: Bachelor of Science in the Internet of Things	Elizabeth M. Bejar		
AP6.	New Program Proposal: Doctor of Athletic Training	Elizabeth M. Bejar		
4. Information/Discussion Items (No Action Required)				
4.1	Master of Science in Applied Behavior Analysis Tuition	Elizabeth M. Bejar		
4.2	Academic Affairs Regular Reports			
	 FIUBeyondPossible2020 	Pablo G. Ortiz		
	 Student Success 	Bridgette E. Cram		
	 Engagement 	Saif Y. Ishoof		
	Action AP1. AP2. AP3. AP3. AP4. AP5. AP6. Inform 4.1 4.2	 Approval of Minutes Action Items AP1. Tenure Nominations AP2. Tenure as a Condition of Employment Nominations AP3. Amendments to FIU Regulation 1103, Textbook Affordability AP4. Program Termination: Bachelor of Science in Statistics AP5. New Program Proposal: Bachelor of Science in the Internet of Things AP6. New Program Proposal: Doctor of Athletic Training Information/Discussion Items (No Action Required) 4.1 Master of Science in Applied Behavior Analysis Tuition 4.2 Academic Affairs Regular Reports FIUBeyondPossible2020 Student Success Engagement 		

The Florida International University Board of Trustees Academic Policy and Student Affairs Committee Agenda June 2, 2017 Page 2

5.

6.

4. Information/Discussion Items (Continued...)
4.2 Academic Affairs Regular Reports (Continued...)

Enrollment Management and ServicesInformation Technology	Luisa M. Havens Robert Grillo
 Research and Economic Development/ University Graduate School 	Andres G. Gil
 Student Affairs 	Larry Lunsford
New Business (If Any)	Cesar L. Alvarez
Concluding Remarks and Adjournment	Cesar L. Alvarez

The next Academic Policy and Student Affairs Committee Meeting is scheduled for Thursday, September 7, 2017

Approval of Minutes

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee June 2, 2017

Subject: Approval of Minutes of Meeting held March 3, 2017

Proposed Committee Action:

Approval of Minutes of the Academic Policy and Student Affairs Committee meeting held on Friday, March 3, 2017 at the FIU, Modesto A. Maidique Campus, Graham Center, Room 243.

Background Information:

Academic Policy and Student Affairs Committee members will review and approve the Minutes of the Academic Policy and Student Affairs Committee meeting held on Friday, March 3, 2017 at the FIU, Modesto A. Maidique Campus, Graham Center, Room 243.

Supporting Documentation:	Minutes: Academic Policy and Student Affairs Committee Meeting, March 3, 2017
Facilitator/Presenter:	Cesar L. Alvarez, Academic Policy and Student Affairs Committee Chair

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FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE MINUTES MARCH 3, 2017

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 Chair Cesar L. Alvarez at 11:07 a.m. on Friday, March 3, 2017, at the Modesto A. Maidique Campus, Graham Center Room 243.

The following attendance was recorded:

Present

Cesar L. Alvarez, *Chair* Natasha Lowell, *Vice Chair* Jose J. Armas Alian Collazo Michael G. Joseph Marc D. Sarnoff Kathleen L. Wilson

Board Chair Claudia Puig, Board Vice Chair Jorge Arrizurieta, and University President Mark B. Rosenberg were also in attendance.

Committee Chair Alvarez welcomed all Trustees, University faculty and staff to the meeting.

Chair Alvarez noted that Dr. Joanne Li has been appointed the next Dean for the College of Business, effective May 8, 2017. He recognized Acting Dean Jose M. Aldrich, stating that he will remain with the college as Vice Dean.

2. Approval of Minutes

Committee Chair Alvarez asked that the Committee approve the Minutes of the meeting held on December 1, 2016. A motion was made and passed to approve the Minutes of the Academic Policy and Student Affairs Committee Meeting held on Thursday, December 1, 2016.

Florida International University Board of Trustees Academic Policy and Student Affairs Committee Minutes March 3, 2017 Page | 2

3. Action Items

AP1. Tenure as a Condition of Employment Nomination

Chair Alvarez noted that the candidate for Tenure as a condition of employment (TACOE), was selected to receive (TACOE) based on the caliber of her scholarly work.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the Board of Trustees approve the candidate for tenure as a condition of employment.

AP2. New Program Proposal: Bachelor of Arts in Computer Science

Vice President for Academic Affairs Elizabeth M. Bejar presented the proposed Bachelor of Arts in Computer Science for Committee review. She noted that the School of Computing and Information Sciences in the College of Engineering and Computing at Florida International University proposes to offer a new Bachelor of Arts in Computer Science degree. VP Bejar noted that this degree addresses part of the existing high demand B.S. in Computer Science complementing the B.S. degree with a restructured curriculum. She added that the decision to restructure the curriculum and offer a B.A. degree in addition to the existing B.S. is driven, in part, by universities' responsiveness to industry. She stated that the last few years have proven that there is little difference in employment prospects between a B.A. degree and a B.S. degree. She reported that graduates from the B.A. degrees in Computer Science across the country will have exceptional employment opportunities as database administrators, research analysts, programmers, software designer, and web developers. VP Bejar introduced Associate Director of the school of Computing and Information Sciences, Mark Weiss.

Trustee Natasha Lowell inquired as to the feasibility of building 4+1 Master's degree for the B.A. and B.S. degrees.

Dr. Weiss noted that the School has an existing 4+1 Bachelor's and Master's program in Computer Science, adding that the B.A. in Computer Science is specifically not recommended for students who wish to pursue graduate programs in Computer Science. He stated that many students in the Master's program do not need certain things that are required in the B.A. in Computer Science.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend Board of Trustees approval of the Bachelor of Arts in Computer Science (CIP 11.0101) new program proposal.

AP3. New Program Proposal: Master of Science in Applied Behavior Analysis

VP Bejar presented the proposed Master of Science in Applied Behavior Analysis for Committee review. She noted that the College of Arts and Sciences is proposing this degree adding that the proposed program will prepare graduates to serve as highly skilled and experienced board certified behavior analysts who can apply their skills in classrooms and other instructional settings. She stated that this credential is recognized nationally and internationally. She added that the Applied Behavior Analysis degree will increase professional opportunities to work in school systems and other Florida International University Board of Trustees Academic Policy and Student Affairs Committee Minutes March 3, 2017 Page | 3

educational training and intervention settings such as early intervention, adult vocational training, rehabilitation programs, treatment centers, and other clinical settings. VP Bejar added that this program will include all of the content and experience hours required for professional certification.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend Board of Trustees Approval of the Master of Science in Applied Behavior Analysis (CIP 13.1299) new program proposal.

AP4. Honorary Degree Nominations

Committee Chair Alvarez noted that the honorary degree nominees Jorge M. Perez and Peter W. Harlem were recommended by the Faculty Senate and were approved by the University President and Provost to receive an honorary degree at Commencement.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend to endorse Mr. Jorge M. Perez as a recipient of a doctoral degree *honoris causa* and Mr. Peter W. Harlem as a recipient of a posthumous degree *honoris causa* from Florida International University.

4. Information/Discussion Items (No Action Required)

4.1 Doctorate of Business Administration in International Business Tuition

VP Bejar noted that at the earlier Finance and Facilities Committee Meeting, the Committee recommended Board of Trustees approval of the proposal for self-supporting tuition of \$33,000 annually for the Doctorate of Business Administration in International Business offered through continuing education beginning academic year 2017-2018.

4.2 Academic Affairs Regular Reports

Committee Chair Alvarez requested that the Academic Affairs Regular Reports within the Information Items be accepted as written. There were no objections.

4.3 Academic Affairs Special Report

Title IX Presentation

Director of Equal Opportunity Programs and Diversity, Shirlyon McWhorter provided an update on the University's Title IX compliance efforts. She presented an overview of statistical reports for the Modesto A. Maidique Campus and Biscayne Bay Campus on the incidence of sexual harassment and other Title IX matters during the 2014 and 2015 academic year reporting period. She also discussed the University's ongoing efforts in educational training and in providing primary prevention and awareness programs.

Committee Chair Alvarez inquired as to how violations are addressed and if there have been instances of multiple violations committed by the same individual. Ms. McWhorter stated that when a student is found to have committed an act of sexual harassment or other Title IX matter, one or more sanctions may be imposed. She added that factors considered by adjudicators when determining sanctions include, but are not limited to, the nature and egregiousness of the behavior, Florida International University Board of Trustees Academic Policy and Student Affairs Committee Minutes March 3, 2017 Page | 4

any prior misconduct and sanctions, and impacts of the behavior. She stated that there have been no cases involving Title IX matters at the University where the same individual is committing repeat offenses.

5. New Business

No new business was raised.

6. Concluding Remarks and Adjournment

With no other business, Committee Chair Cesar L. Alvarez adjourned the meeting of the Florida International University Board of Trustees Academic Policy and Student Affairs Committee meeting on Friday, March 3, 2017 at 11:35 a.m.

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Agenda Item 3

AP1

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee

June 2, 2017

Subject: Tenure Nominations

Proposed Committee Action:

Recommend to The Florida International University Board of Trustees approval of the Tenure Nominations as specified in the Board materials.

Background Information:

Pursuant to the 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 University President is recommending the granting of Tenure for thirty-two (32) nominees as specified in the Board materials.

Supporting Documentation:	Attachment 1- Tenure Review Process
	Attachment 2- Tenure Nominations
	Attachment 3- Tenure Nominees' Biographies

Facilitator/Presenter:

Kenneth G. Furton

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Attachment 1



A new tenure earning Assistant Professor is appointed to a tenure track position

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Third-Year Review is conducted to review progress toward tenure. Reviews are completed by:

- Department or School Committee
- Department Chair or School Director
- College Committee
- Dean
- Provost

n the sixth year of continuous service:

Upon determination of insufficient progress towards the tenure goal, the application is denied and a letter of non-renewal is issued

If no application is submitted, a letter of non-renewal is issued

Tenure application is submitted and reviewed by:

- External Reviewers (minimum of 5)
- Department or School Committee
- Department Chair or School Director
- College Committee
- Dean
- Provost
- President

Tenure application is submitted and reviewed by the Academic Policy & Student Affairs Committee of the Board of Trustees

Tenure application is submitted and reviewed by the Board of Trustees for final decision *Upon determination of insufficient progress towards the tenure goal, the application is denied and a letter of non-renewal is issued*

Upon determination of insufficient progress towards the tenure goal, the application is denied and a letter of non-renewal is issued

Upon determination of insufficient progress towards the tenure goal, the application is denied and a letter of non-renewal is issued

The Board of Trustees awards tenure

Attachment 2

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	Department	Рторозей Капк				
College of Communication, Architecture + the Arts						
Alpesh Kantilal Patel	Art + Art History	Associate Professor				
College of Arts, Sciences and Education						
Kyle D. Bennett	Teaching and Learning	Associate Professor				
Heather Blatt	English	Associate Professor				
Kevin Boswell	Biology	Associate Professor				
Phillip Carter	English	Associate Professor				
Paulo Graziano	Psychology	Associate Professor				
Jin He	Physics	Associate Professor				
Valentina Bruk-Lee	Psychology	Associate Professor				
Francisco Fernandez-Lima	Chemistry and Biochemistry	Associate Professor				
Lindsay Malloy	Psychology	Associate Professor				
Geoffrey Potvin	Physics	Associate Professor				
Andy Pham	Leadership and Professional Studies	Associate Professor				
Martha Schoolman	English	Associate Professor				
Wensong Wu	Mathematics and Statistics	Associate Professor				
Yi Xiao	Chemistry and Biochemistry	Associate Professor				
College of Engineering a	nd Computing					
Kemal Akkaya	Electrical and Computer Engineering	Full Professor				
Bogdan Carbunar	School of Computing and Information Sciences	Associate Professor				
Xia Jin	Civil and Environmental Engineering	Associate Professor				
Cheng-Xian Lin	Mechanical Materials Engineering	Tenure Only				
Wallied Orabi	Construction Management	Associate Professor				
Sharan Ramaswamy	Biomedical Engineering	Associate Professor				
Arif Sarwat	Electrical and Computer Engineering	Tenure Only				
College of Business						
Eli Beracha	Real Estate	Associate Professor				
Nicole Wertheim College	e of Nursing and Health Sciences	•				
Eric A. Fenkl	Nursing	Associate Professor				
Jean Hannan	Nursing	Associate Professor				
Steven J. Green School o	f International and Public Affairs					
Kevin Evans	Politics and International Relations	Associate Professor				
Kyle Mattes	Politics and International Relations	Associate Professor				
Okezi Otovo	History	Associate Professor				
Stephen Pires	Criminal Justice	Associate Professor				
Robert Stempel College	of Public Health and Social Work					
Purnima Madhivanan	Epidemiology	Tenure Only				
Consuelo Beck Sague	Health Promotion and Disease Prevention	Associate Professor				
Chaplin School of Hospi	tality and Tourism Management					
Miranda Kitterlin	School of Hospitality & Tourism Management	Associate Professor				

Kemal Akkaya Department of Electrical and Computer Engineering College of Engineering and Computing

Dr. Akkaya received his Ph.D. in Computer Science from University of Maryland Baltimore County in 2005 and joined the department of Computer Science and Electrical Engineering at Southern Illinois University (SIU) as an assistant professor. He was also a visiting professor at The George Washington University in Fall 2013. Currently Dr. Akkaya leads the Advanced Wireless and Security Lab (ADWISE) in the Department of Electrical and Computer Engineering at FIU. His current research interests include security and privacy, routing and protocol design for Internet-of-Things and Cyber-physical Systems. His research has been funded by NSF, DOE and other local agencies. Dr. Akkaya is a senior member of IEEE. He is the area editor of Elsevier Ad Hoc Network Journal and serves on the editorial board of IEEE Communication Surveys & Tutorials and Sensors Journals. He has served as the guest editor for Journal of High Speed Networks, Computer Communications Journal, and Elsevier Ad Hoc Networks Journal. He has chaired two workshops and served as the TPC Co-Chair for IEEE LCN. He has published over 120 papers in peer reviewed journal and conferences with a citation count exceeding 8000. He has received ``Top Cited" article award from Elsevier in 2010.

Kyle D. Bennett Department of Teaching and Learning College of Arts, Sciences and Education

Dr. Bennett earned his doctoral degree in Special Education from Florida Atlantic University (FAU). He is a Board Certified Behavior Analyst and he has 21 years of experience working with individuals with autism spectrum disorder (ASD) and intellectual disability (ID) in a variety of capacities including, special education teacher's aide, special education classroom teacher, autism specialist, behavior specialist, and program administrator. Prior to joining FIU, he was the director of the Center for Autism and Related Disabilities at FAU.

During his tenure at FIU, Dr. Bennett has produced 13 peer-reviewed articles and has presented his work at state, national, and international conferences. His research interest involves combining behavioral interventions with readily available technology to improve the independence of children, adolescents, and adults with ASD and/or ID. Moreover, Dr. Bennett has secured two federal grants totaling \$2.5 million in external funding from the United States Department of Education, Office of Special Education Programs. Through these grants Dr. Bennett will provide graduate training for over 90 teachers regarding issues and strategies to help improve the lives of students with ASD and their families.

Dr. Bennett served as a Board Member, including the role of Vice President of the Board, for a charter school for students with ASD. Currently, he serves on the professional advisory board for a private school for students with ASD. Dr. Bennett was also the founding president for the Gold Coast Association for Behavior Analysis, which is a local chapter of the Florida Association for Behavior Analysis. At the national level, Dr. Bennett has been a field reviewer for six peer-reviewed journals. He also served as a reviewer for the University of North Carolina National Professional Development Center on ASD Evidence-Based Practices Update. At FIU, Dr. Bennett has served in a number of capacities. Examples of such service include chairing a search and screening committee for a faculty position, as well as serving on the former College of Education's Academic Council, Scholarship Committee, Undergraduate Policies Committee, and Graduate Faculty and Dissertation Advisor Status Committee, to name a few. Finally, Dr. Bennett has been a faculty advisor for students with disabilities in the FIU Panther Life Program since 2011.

Eli Beracha Department of Real Estate College of Business

Dr. Eli Beracha joined FIU in 2014 as an assistant professor in the College of Business. He received his Ph.D. in Business Administration from the University of Kansas in 2007 and a BS in Computer Engineering and an MA in Economics. Prior to FIU, he was an Assistant Professor of Finance and Real Estate in the College of Business at East Carolina University (2007-2012) and at the College of Business at University of Wyoming (2012-2014).

Dr. Beracha studies broad areas of real estate with a focus on real estate investments and housing. His recent research topics include value and momentum in commercial real estate, the effect of land erosion on housing prices and real estate listing strategies. Dr. Beracha also conducts ongoing research on housing buy versus rent decisions. He has published articles in top real estate journals including *Real Estate Economics, Journal of Real Estate Finance and Economics*, and *Journal of Real Estate Research* and also in leading main stream finance journals such as the *Financial Analysts Journal, Journal of Financial Research* and *Journal of Portfolio Management*. Dr. Beracha has presented research papers at national and international academic conferences such as the American Real Estate Society Meeting (ARES) and the Financial Management Association Meeting (FMA). Dr. Beracha's academic research often receives attention from the popular press and was featured in outlets such as *The Economist, The Wall Street Journal, Bloomberg* and *National Public Radio* (NPR).

Dr. Beracha is a voting board member at the American Real Estate Society (ARES) and currently serves as the Associate Director of Publication for the American Real Estate Society (ARES). Additionally, Dr. Beracha is the Managing Editor of the *Journal of Real Estate Practice and Education* and often serves as a referee for the top real estate journals such as *Real Estate Economics, Journal of Real Estate Finance and Economics* and *Journal of Real Estate Research*. At FIU Dr. Beracha teaches Real Estate International Seminar and Real Estate Markets, Institutions and Practices at the Master's level as well as Real Estate Investment at the Undergraduate level. Dr. Beracha received nine Teaching Excellence Awards from the Hollo School of Real Estate in 2014, 2015 and 2016.

Heather Blatt Department of English College of Arts, Sciences and Education

Dr. Blatt joined FIU in 2011 and focuses her research on late medieval English literature and book history. She holds a Ph.D. in English literature from Fordham University, a Master's in English literature from the University of Virginia, and a B.A. in English and Classics from Cornell University. Her first monograph, which explores connections between digital and medieval media that reveal the role of participation as central to constructing readers and reading practices in late medieval England, is under final contract from Manchester University Press. Several aspects of this work and of the research that contributed to her other publications on medieval reading and book accessories have been previously presented at international and national conferences, at which she has also conceived of and organized a number of panels. She is a member of the Modern Language Association, the Medieval Academy of America, the New Chaucer Society, and the Early Book Society, and has worked at the journals *Traditio, Studies in Bibliography*, and for the *Piers Plowman Electronic Archive*. Her work has been supported by grants from the Folger Shakespeare Library and the National Endowment for the Humanities, and FIU.

At FIU, Dr. Blatt teaches english majors and graduate students in a variety of instructional formats, from fully online and hybrid to face-to-face. Her students learn to develop their analytical and writing skills through critical responses to literary texts in ways that enrich their understanding of the importance of literature both in the Middle Ages and today. Professor Blatt has also directed and/or served on seven Master's thesis committees. Her students have won internal and external awards, from scholarships to support the study of nuclear physics, to international research and teaching facilitated by CIEE (Council on International Educational Exchange) and Fulbright fellowships.

Dr. Blatt has served on a number of committees and was awarded a fellowship to work with the Center for the Advancement of Teaching in the spring of 2014; she was then invited back for a second fellowship in the spring of 2015. She has organized and co-organized invited lectures on the environment and digital humanities by faculty from other universities. She has also offered numerous workshops to faculty and graduate students within the university community on subjects ranging from teaching critical reading to the First Folio of Shakespeare. Most recently, Dr. Blatt has been invited to collaborate in sponsoring the 2018 International Piers Plowman Conference hosted by the University of Miami.

Kevin Boswell Department of Biology College of Arts, Sciences and Education

Dr. Boswell is a fisheries ecologist at FIU with interests in studying the distributional patterns, behavior, habitat use, energetics and ecology of nekton, including the implications of ecosystem variability, particularly for rapidly changing environments. He received his BS at Texas A&M University (Marine Fisheries Management) in 1998, following this, he was a technician in a neuroscience lab at University of California Irvine, studying learning and memory in *Drosophila*. Keen to return to the marine field, he served as an observer for National Marine Fisheries Service in the Pacific Islands Tuna Longline Program. From 2001-2006 he studied at Louisiana State University, and earned a PhD in Oceanography and Coastal Sciences examining the habitat-specific distributional patterns in estuarine fish through the use of active acoustic methodologies. His post-doctoral work focused on an array of topics, including the ecology of the snapper complex associated with natural reefs and oil and gas platforms in the Gulf of Mexico; role of habitat enhancement in estuarine pools; predator-prey interactions of Pacific herring and humpback whales in Alaska; and development of acoustic methodologies to examine ecological interactions in dynamic and challenging environments. He joined the faculty at Florida International University (FIU) in 2011.

Dr. Boswell's research program broadly focuses on interacting factors that mediate the distributional patterns, behavior, habitat use, energetics and ecology of nekton, including the implications of ecosystem variability, particularly for rapidly changing environments. Since joining FIU, he published 19 peer- reviewed publications and 12 currently in review (33 published papers total). In addition, he has maintained a well-funded research program with awards from NOAA (\$2.5M), GOMRI (\$560k), FIO (\$428k), NPRB (182k), among others, in addition to private, state agency, internal and international awards (\$678k). He actively engages undergraduates in his research program, and has advised over 25 to date, including two MAST@FIU students. While at FIU, he has served on several hiring committees, strategic and planning committees and has chaired the annual Biology Research Symposium at FIU for the past four years. Dr. Boswell reviews several manuscripts every year, is a regular program proposal reviewer serves as Florida's Biological Advisor on the Atlantic Coastal Cooperative Statistics Program, and is a co-founder and organizer for the Southeast Acoustics Consortium hosted by FIU. Since 2008, he has served as a US Representative for the ICES (International Council for the Exploration for the Sea; the oldest intergovernmental organization in the world concerned with marine and fisheries science) sponsored Working Group on Fisheries Acoustics Science and Technology.

Bogdan Carbunar School of Computing and Information Sciences College of Engineering and Computing

Dr. Carbunar received his B.S. in computer science from Politehnica University of Bucharest in 1999, and his Ph.D. in computer science from Purdue University in 2005. He has subsequently joined Motorola Labs, then Motorola Mobility, where he held various researcher positions. He has joined FIU in 2011 as an assistant professor. Dr. Carbunar's research is at the intersection of security, privacy and distributed systems, with a focus on mobile and social networks.

Dr. Carbunar has published 21 journal papers, 43 peer reviewed conference and workshop papers, and two book chapters. He is an associate editor of the International Journal of Parallel, Emergent and Distributed Systems, has been a technical program committee member of several dozen conferences, and has served as a member of three NSF panels. Dr. Carbunar received the Nicolas D. Georganas Best Paper Award in 2014 for his article in ACM Transactions on Multimedia Computing Communications and Applications (TOMM), the best student paper award in the SIAM International Conference on Data Mining (SDM) 2014, and the best paper award in the IEEE International Workshop on Hot Topics in Peer-to-peer Computing and Online Social Networking (HotPOST) 2013. As a PI, his research has been funded by three National Science Foundation grants and one Department of Defense grant, where his share has exceeded \$880,000.

Phillip Carter Department of English College of Arts, Sciences and Education

Dr. Carter is a sociolinguist and scholar of language specializing in the language dynamics of U.S. Latina/o speech communities. Before joining the faculty at FlU, Dr. Carter was a Mellon Postdoctoral Fellow in the Department of Linguistics at the University of Southern California. He completed his Ph.D. in English Linguistics at Duke University and holds degrees in Spanish Language and Literature (B.A.) and Linguistics (M.A.) from North Carolina State University. He serves as the Sociolinguistics Editor for the journal Language and Linguistics Compass. Dr. Carter's scholarship coheres around questions related to language in U.S. Latina/o communities and emphasizes 1) the politics, discourses, and ideologies of Spanish in the U.S., 2) the effects of sustained contact between Spanish and English, both in terms of linguistic structure, cognition, and perception, and 3) the indentitarian formations made possible by the situation of Spanish in the U.S., its attendant politics, discourses, and ideologies, and the ways in which these identities are animated by language. He has published articles in these areas in leading international peerreviewed journals including Journal of Sociolinguistics, Language in Society, Spanish in Context, English World Wide, Language and Linguistics Compass and American Speech. He has also published chapters in books and a book Languages in the World: How History, Culture, and Politics Shape Language.

In addition to delivering dozens of conference presentations since joining the FIU faculty, Dr. Carter has also received invitations to deliver public research lectures from numerous universities such as NYU, Emory, Duke, University of Georgia, University of Florida, and many others. He is an active voice in public scholarship involving the mass media, having appeared on dozens of national and international television and radio shows about issues related to language and politics, bilingual education, and Spanish in the United States.

Dr. Carter actively engages with his students for example at the undergraduate level they produce podcasts about language varieties in the local community and within a course he created the students work in teams to address problems in the local community related to language, while at the same time learning traditional disciplinary content. At the graduate level, students conduct original, field-initiated sociolinguistic research pertaining to language in Miami. Graduate students working with Dr. Carter have delivered dozens of papers at top conferences in the field including Sociolinguistics Symposium, New Ways of Analyzing Variation, Workshop on Spanish Sociolinguistics, and many others.

Kevin Evans Department of Politics and International Relations Green School of International and Public Affairs

Dr. Evans received a B.A. in Political Science from the University of California-Irvine in 2005 and a Ph.D. in Political Science from University of California-Davis in 2011. In August of 2011, he joined the Department of Politics and International Relations at FIU.

Dr. Evans is an expert on the American presidency and interbranch relations. His research often addresses questions related to conflict and cooperation between the branches of American government and the institutional development of the presidency. His scholarship can be found in well-respected peer-reviewed journals like: *American Politics Research, Congress & the Presidency, Political Research Quarterly, Political Science Quarterly, and Presidential Studies Quarterly.* Evans's work and expertise have also been featured in nationally recognized outlets like *The Washington Post, Vox, New Republic, and CQ Weekly.*

Eric A. Fenkl Nursing Nicole Wertheim College of Nursing and Health Sciences

Dr. Fenkl received his BSN in Nursing from University of Wisconsin – Milwaukee, an MS in Nursing Education from Florida Atlantic University, and his PhD in Nursing from the University of Wisconsin – Milwaukee. He is recognized by the National League of Nursing (NLN) as a certified nurse educator (CNE). Dr. Fenkl teaches courses in the graduate program including the nurse educator post masters program, Doctor of Nursing Practice (DNP) program, and the PhD program. Dr. Fenkl has chaired DNP student project committees and is a member of several PhD student committees. Additionally, Dr. Fenkl provides guidance and mentorship to students completing their research practicum in the graduate program.

Dr. Fenkl's research interests include HIV/HPV prevention and related disease among lesbian, gay, bisexual, and transgender (LGBT) populations with a particular emphasis on men who have sex with men (MSM). In October 2013, he received a three-year grant for \$899,999 as a Co-PI from the Center for Substance Abuse Prevention, SAMHSA, to develop a program, in collaboration with a community- based organization, focusing on HIV/STD and substance abuse prevention for minority LGBT students on campus. In 2015, an additional grant in the amount of \$900,000 was awarded by SAMHSA to implement a program for outreach in the greater Miami metropolitan area specifically for at-risk minority MSM. Dr. Fenkl has also focused on Human Papillomavirus (HPV) among MSM with regards to screening and awareness of anal and other HPV related cancer. In 2013, he received a research grant from the Florida Nurses Foundation to study HPV and anorectal carcinoma knowledge in MSM. Dr Fenkl's work has been disseminated in numerous peer-reviewed journals including the American Journal of Men's Health (AJMH), the Journal of the Association of Nurses in AIDS Care (JANAC), Hispanic Healthcare International, LGBT Health, and the Journal of Epidemiological Research (JER).

Dr. Fenkl is an active member of the Association of Nurses in AIDS Care (ANAC) serving on the Diversity committee and the Awards committee. He also serves as a reviewer for the Journal of the Association of Nurses in AIDS Care (JANAC) as well as other notable peer-reviewed journals including the Journal of American College Health, Public Health Nursing, Men and Masculinities, Nursing and Health Sciences, and the Journal of Homosexuality. In 2014, Dr. Fenkl was recognized by the President of Florida International University as an FIU Top Scholar.

Paulo Graziano Department of Psychology College of Arts, Sciences and Education

Dr. Graziano joined FIU in 2013 as an Assistant Professor and is the Director of the S.E.L.F.-Regulation Laboratory. He received a Bachelor's of Science in Psychology from the University of Central Florida in 2002 and his Ph.D. in Clinical Psychology from the University of North Carolina at Greensboro in 2009.

Dr. Graziano completed two postdoctoral fellowships with the first focused on Child/Pediatric Psychology at the University of Florida (2009-2010) while the second was an Institute of Educational Science (IES) funded position focused in intervention research for children with disruptive behavior disorders (2010-2012). He recently completed an IES goal two grant as the PI and currently is the PI on a Children's Trust grant which focuses on developing a school readiness summer treatment program for pre-kindergarteners with behavior problems. He is also currently a Co-I on an R01 NIMH grant that is examining the effectiveness of a motivational interviewing enhanced behavior therapy for adolescents with ADHD.

Dr. Graziano's program of research strives to integrate theory and methods from developmental psychology and neuroscience to examine the development of children's self-regulation skills and how such processes can be applied to the understanding and treatment of both disruptive behavior disorders (e.g., ADHD) and pediatric obesity. His primary research interest is in clarifying how individual differences in regulatory processes, particularly emotion regulation and executive functioning, contribute to children's adaptive functioning and psychopathology. Dr. Graziano has published 44 peer reviewed articles, one book chapter, and presented 69 talks and posters at national and international conferences and meetings. His publications have appeared in top clinical psychology journals (*Clinical Psychology Review, Journal of Consulting and Clinical Psychology, Journal of Abnormal Child Psychology*), developmental journals (*Child Development, Biological Psychology*), and health psychology journals (*International Journal of Obesity, Appetite*).

Dr. Graziano has served or is serving as chair or committee member on five masters and seven dissertation committees, as well as five undergraduate senior honors theses. He has served as a grant reviewer to the National Science Foundation as well as the Social Sciences and Humanities Research Council of Canada. He serves on the editorial board of the *Journal of Abnormal Child Psychology* and *Early Education and Development* and is an ad hoc reviewer to over 20 journals. He is director of the Healthy-Lifestyle Intervention Program (HIP), and Co-Director of the Summer Treatment Program for Pre-Kindergarteners (STP-PreK)

Jean Hannan Nursing Nicole Wertheim College of Nursing and Health Sciences

Dr. Jean Hannan joined FIU in 2011 as an Assistant Professor. Her area of research is to improve health outcomes of mothers and their infants and in doing so lower healthcare costs. During her tenure she has submitted eight research grants and was funded by the National Institute of Health; Eunice Kennedy Shriver National Institute of Child Health & Human Development for a pilot study examining an intervention to improve healthcare access for low income mothers and their infants. She also received funding from the Canadian Institute of Health Research for a multi international study to examine and understand the ethno-cultural infant feeding practices and experiences of black women living with HIV in Ottawa, Canada, Port Harcourt, Nigeria and Miami, United States.

Dr. Hannan has published 15 peer reviewed articles, has two articles in review and another two in progress during her tenure period. She is first author on nine publications and sole author on three articles. She has presented her research in peer reviewed abstracts at research and clinical conferences including the Southern Nursing Research Society, Sigma Theta Tau International, Pan American Nursing Research Colloquium, and the International Family Nursing Conference (Bangkok, Thailand).

Dr. Hannan teaches across all levels in the nursing program and provides research and teaching experience for bachelors, masters and Ph.D. students. She mentors undergraduate and master's students by including them in her research and serves or has served on eight Ph.D. nursing dissertations as a committee member and is currently Chair on one PhD student's committee. She also is mentoring three PhD nursing students from another university by providing them with their research hours. She has included two MSN students as co-authors on a publication in the *Journal of Measurement*, and has included six PhD students in nine published journal articles.

Dr. Hannan's leadership and service to her profession includes national, regional, local and university activity. She is a leader in the community serving as a research consultant on studies conducted by physicians at Jackson Memorial Hospital. Leadership at the national level in professional organizations is evidenced by Dr. Hannan's role as manuscript reviewer for fivejournals, and as a research abstract reviewer for Sigma Theta Tau International and the Southern Nursing Research Society. She is also a membership reviewer for Sigma Xi, the Scientific Research Society and serves on the Southern Nursing Research Society's (SNRS) Policy and Procedure committee. She was recently accepted into NIHs Early Career Reviewer (ECR) program and is on the October 2016 roster for the NIH Dental & Craniofacial research review panel (NIH/NIDCR) for pediatric proposals.

Jin He Department of Physics College of Arts, Sciences and Education

Dr. He joined the faculty of the FIU Physics Department in the 2011. Dr. He completed his undergraduate degree at Fudan University in China and his Ph.D. in Physics at Arizona State University. Following his studies he was a postdoc at ASU and carried out research on the electron transport through individual electrochemical active *redox* molecule in electrolytes. In 2007, Dr. He was promoted to an Assistant Professor Research position at the Biodesign Institute of ASU. He developed his own research direction by studying hydrogen bonding assisted recognition tunneling in biomolecular junctions and detecting biomolecules using micro/nanofluidics. He laid the groundwork for proposed research by finishing concept-proof experiments, developing micro/nanofabrication techniques and instrumentations, and developing data analysis methods and programs. This research lead to multiple National Institute of Health grants, several high impact publications and patents, which were acquired later by pharmaceutical Company Roche.

Dr. He has taught both undergraduate and graduate classes and mentored several graduate students, postdoc and visiting professors. He has mentored 15 undergraduates in his lab. He also regularly hosts k-12 students and teachers interested in science. Dr. He's research is productive in terms of developing new research directions, utilizing available research resources and infrastructures, developing new methods and instruments and establishing local and global research collaborations. He has adapted his research to the Physics Department and Biomolecular Science Institute (BSI) of FIU and set a solid foundation for continued growth. In the past five years, Dr. He has published 26 papers. His research is currently founded by two awards from National Science Foundation, including a CAREER award at 2015. He was also named an FIU Top Scholar at 2015.

Xia Jin Department of Civil and Environmental Engineering College of Engineering and Computing

Dr. Jin's research specializes in the areas of travel demand and behavior analysis, urban goods movement, land use-transportation interactions, travel survey methods, and geographic information systems (GIS) based spatial analysis. Dr. Jin is a member of the American Institute of Certified Planner. She received her Ph.D. in transportation engineering from the University of Wisconsin-Milwaukee in 2007. Between 2007 and 2011, she joined one of the top research oriented transportation consultant firms in the nation, and worked at the New York Metropolitan Transportation Council (NYMTC), where she provided expertise on various aspects of modeling operations and transportation planning.

In 2011, Dr. Jin joined FIU's Civil and Environmental Engineering Department. Since joining FIU, Dr. Jin has built strong research programs in transportation planning and demand forecasting, choice modeling, and freight analysis. Dr. Jin has obtained external funding in total of \$1,003,698.00 as a principal investigator (PI). She has published and presented a total of 61 papers, 19 in peer-reviewed journals, two in fully refereed book chapters, and 40 in peerreviewed proceedings. Dr. Jin serves as a member of the Committee on Transportation and Land Development (ADD30), and the Committee on Effects of Information and Communication Technologies (ICT) on Travel Choices (ADB20) for the Transportation Research Board of the National Academies. She served in the conference organizing committee and as session chair for various international conferences. She is also an active member of various committees of the Florida Model Task Force (MTF) and contributed to enhance the practices in various aspects of the modeling efforts, including freight movement, model advancement, and GIS and data collection. Dr. Jin served as the faculty advisor for the Chi Epsilon Honor Society FIU chapter. She was a member of the FIU Parking Task Force Committee, Faculty Senate Environment and Planning Committee, and the College of Engineering Library Committee, and is currently a member of the FIU GIS Advisory Committee.

Dr. Jin has taught both graduate and undergraduate classes since joining FIU. She also developed materials for the Career Orientation course customized for freshman and sophomore students to introduce them to transportation engineering. She has also been advising undergraduate students, one of them won the prestigious 2014 National Action Council for Minorities in Engineering (MACME) Scholarship and the 2016 Chi Epsilon National Scholarship. Dr. Jin holds the FIU Dissertation Advisory Status (DAS). She has advised six Ph.D. students, two of them has graduated. She also advised three additional Ph.D. students as the co-advisor. She has served as the advisor for six master students, four of them graduated. She has also served as a member of the committees of nineteen Ph.D. students in the Civil and Environmental Engineering Department and the School of Construction Management.

Miranda Kitterlin Chaplin School of Hospitality and Tourism Management

Dr. Kitterlin holds a Bachelor of Science (B.S.) degree in hotel, restaurant and tourism management and a Master of Science in human resources management from the University of Louisiana, Lafayette, as well as a Ph.D. in hotel administration from the University of Nevada, Las Vegas. Prior to joining FIU in 2011, she was an Assistant Professor at James Madison University, an adjunct at the University of Nevada, Las Vegas, and an Instructor at the University of Louisiana, Lafayette. Her industry experience consists of over ten years in both the food service and lodging industries, having worked almost every line-level position in the full-service restaurant industry and limited-service lodging industry, and ending with assistant manager and director of sales positions.

During her tenure at FIU, Dr. Kitterlin has taught graduate courses live, online, and on study abroad programs. Dr. Kitterlin has been very productive in research as evidenced by her numerous peer-reviewed publications, trade publications, refereed conference presentations and proceedings, industry association guest speaking invitations, and media interviews as a content expert. Her research has appeared in top-tiered publications, such as Cornell Research Reports and the International Journal of Contemporary Hospitality Management, and she has been internationally recognized with a Best Paper Award from Tourism Management Studies. She was also honored in 2014 for her research efforts with the FIU Top Scholar Award. Dr. Kitterlin's primary research area involves employee behavior in the hospitality industry; specifically, employee deviance such as substance abuse, sexual harassment, and workplace bullying. Her efforts seek to find a solution to the historical, costly, and well documented issues of such behaviors in the food service industry by applying new methodologies and practical approaches. Such solutions serve to benefit both the employees and patrons of the hospitality industry, as well as society as a whole. Accordingly, her research efforts have brought national and international distinction not only to herself but to the Chaplin SHTM and FIU.

Dr. Kitterlin is currently the Director of Research for the South Eastern, Central, and South American Federation of the International Council on Hotel, Restaurant, and Institutional Education. She is an active member of the Academy of Management and the International Council on Hotel, Restaurant, and Institutional Education, and serves as a reviewer for their conferences and publications, as well as numerous other national and international hospitality and tourism peer-reviewed publications and conferences.

Valentina Bruk-Lee Department of Psychology College of Arts, Sciences and Education

Dr. Bruk-Lee joined FIU's Department of Psychology in 2009 with prior experience in the field's leading consulting and applied research firms. Her program of research spans two major areas, including occupational health/safety and employee selection. She employs a variety of research designs and advanced statistical techniques. Within the occupational health/safety area, Dr. Bruk-Lee's research focuses on the factors and mechanisms that impact the quality of work life, well-being, and safety of employees. Her studies on workplace conflict produced an expanded typology of social stressors and the identification of non-task organizational conflict as a key contributor to employee behaviors and strains. Dr. Bruk-Lee's findings supported the importance of the psychosocial aspects of work on safety outcomes among nurses and introduced the construct and measurement of safety silence motives to the literature. In employee selection, Dr. Bruk-Lee has partnered with consulting firms to study applicant reactions to media rich simulations. Her experimental research on this topic was the first to compare applicant preferences for avatars and live action video in selection simulations. Her work also identified the personality correlates of multitasking ability and the conditions under which it predicted employee performance. She is currently conducting a meta-analysis on simulation validities through a consortium of data sharing that she established with nine leading I-O selection firms.

Dr. Bruk-Lee's research has been published in leading journals in her area of expertise (e.g., Work & Stress) and highlighted by online media outlets. Her television interviews on CNN have aired across the U.S. and Latin America and reached over 40 million households. She has 26 publications in total, 64 conference presentations, and 431 citations. During her tenure at FIU, she has received five pilot grants to fund her own and graduate student projects. Dr. Bruk-Lee has one federal and one foundation grant under review.

Dr. Bruk-Lee has had a significant impact in the department through her mentoring and service. She has graduated four doctoral students with employment in both practice and academia, and currently chairs two dissertations (one as co-chair) and one thesis. She also chaired six successfully defended Master's theses and served on 19 graduate student committees. She supervised the capstone projects of 39 terminal Master of Science degree students. Dr. Bruk- Lee was a finalist and a nominee for the University Graduate School Provost Award for Mentorship. She serves as a subject matter expert to FIU's Center for Leadership and is active in professional societies and the local community.

Francisco Fernandez-Lima Department of Chemistry and Biochemistry College of Arts, Sciences and Education

Dr. Francisco Fernandez-Lima is an Assistant Professor in the Department of Chemistry and Biochemistry. He received a BS (2001) and MS (2003) in Nuclear Physics at the Institute of Nuclear Sciences and Technology (Havana, Cuba) and a PhD (2006) in Applied Physics at PUC-Rio (Brazil). He performed post-doctoral studies at Texas A&M University. He is the recipient of a K99 and R00 Pathway to Independence Awards by the National Institute of Health and he was selected as a 2015 Emerging Investigator by the American Society for Mass Spectrometry. Dr. Fernandez-Lima is also a faculty in the FIU Biomolecular Sciences Institute (BSI) and he is the Director of the Advance Mass Spectrometry Facility at Florida International University.

Dr. Fernandez-Lima's research objective is the study of scientific problems at the molecular and cellular level at the interface of physics, chemistry and biology. Over the years, his research projects have focused on the development of versatile new technologies and methods that help the scientific community address research problems related to human diseases by increasing the identification confidence and decreasing the detection levels of macromolecules using mass spectrometry. He has special interest in the development of fast separation/identification techniques that can be easily implemented for the analysis of complex biological mixtures and the study of the conformational space of molecular ions for molecular structure elucidation. His recent work on 3D-MSI-TOF-SIMS of chemotherapeutic drugs on single cells and on structural elucidation of biomolecular conformational landscape using HDX-TIMS-MS and molecular dynamics has gained substantial national and international recognition in the mass spectrometry community. His research program has been successfully funded by federal (e.g., NIGMS, NIDA, NIAID and NSF) and private (e.g., Bruker Daltonics Inc.) agencies.

Dr. Fernandez-Lima has published over seventy-three peer-reviewed research articles in his career. Since he joined FIU in the summer of 2012, he has successfully mentored high school students, REU students, undergraduate students, MS student, and post-doctoral fellows. Dr. Fernandez-Lima currently mentors seven PhD students and one postdoctoral fellow. His students have received multiple research awards and fellowships during his tenure at FIU. Their research projects have yielded over twenty-five publications in top tier analytical chemistry journals and over hundred twenty scientific presentations in national and international meetings. He was recently elected as a Board Member of the International Society of Ion Mobility Spectrometry and he actively serves as a reviewer for scientific journals in the field and for federal and private funding agencies.

Cheng-Xian (Charlie) Lin Department of Mechanical and Materials Engineering College of Engineering and Computing

Dr. Lin is an Associate Professor in the Department of Mechanical and Materials Engineering. His prior positions include Associate Professor in the University of Tennessee at Knoxville, Summer Faculty Fellow at Air Force Research Laboratory in WPAFB, and Program Manager in the Applied Research Center at FIU. He has authored and co-authored over 200 papers in peer-reviewed journals and conference proceedings. Since 2011, Dr. Lin has published 53 papers with 21 papers in the top journals in his field. His current interests or themes in research include heat and mass transfer, thermal management, computational fluid dynamics, and energy simulation, as well as their applications in various industries including power plants, HVAC systems, solar technologies, electronic cooling, buildings and data centers. His projects have been funded by government agencies, including the National Science Foundation and the U.S. Department of Energy, the state of Florida and private organizations, including FPL and ASHRAE. During the last five years, he has secured over \$3.16 million grants.

Dr. Lin teaches at the undergraduate and graduate levels. Through a FESC funded grant, he developed and offered a new online undergraduate course on solar energy technologies-fundamentals and applications. He also created online sustainable building modules for courses through a collaborative NSF grant. He has supervised over nine doctoral and graduate students.

He serves on the review panels of NSF, DOE, and APRA-E, and is an Associate Editor or editorial board member for eight international journals including Advances in Mechanical Engineering and Heat Transfer Research. On the national/international society level, he served as the Chair of ASME K-16 Committee on Environmental Heat Transfer, Chair of ASHRAE TC4.10 Research Subcommittee and Membership Subcommittee. Within the university, he served as a committee member on the University Graduate Council, University Undergraduate Council, CEC IT Committee, CEC Faculty Council, and departmental Faculty Screen and Search Committee as well as ABET Committee.

Purnima Madhivanan Department of Epidemiology Robert Stempel College of Public Health and Social Work

Dr. Madhivanan is a physician by training and has a Masters in Public Health and a PhD in Epidemiology from the University of California, Berkeley. She completed three years of her post-doctoral training at the San Francisco Department of Public Health in 2010. Subsequently, she completed a fellowship at the Institute for Research on Women and Gender at the University of Michigan, Ann Arbor. Her career at FIU began in Fall 2011 and she currently serves as the Graduate Program Director for Department of Epidemiology for the PhD program. In 2012, in collaboration with Yale, Stanford, and University of California, Berkeley, FIU was recipient of a NIH funded training grant that trains doctoral and post-doctoral fellows in Global Health Research. She was a Co-PI on the grant and is the Program Director at FIU for this grant.

Dr. Madhivanan's work has focused on research in disadvantaged population, elucidating the dynamics of poverty, gender, and the social environmental determinants of health. She works on developing interventions that address health disparities globally, among rural populations particularly - women and children. Her research site in India is recognized as a research and training site for NIH funded projects. Her current research focuses on interventions to address the systemic disparities that put India's tribal women at-risk for sexually transmitted infections, HIV, and poor birth outcomes. She is working with her Biomedical Engineer collaborator to submit a NIH grant to test a low cost diagnostic that will be helpful in increasing cervical cancer screening in hard-to-reach populations. She is also collaborating with colleagues from the Department of Dietetics and Nutrition to submit a grant to examine risk for cardiovascular disease in cocaine- using HIV infected women. Her research has resulted in more than 34 peer-review publications since joining FIU. She was a first author in ten manuscripts; and a primary author on 13 additional papers. She continues to develop novel lines of research and pursue sources of financial support for her work through external funding through various avenues including foundations, biotechnology companies, federal and international funding organizations.

As a faculty member, she has been actively engaged in service to the Epidemiology Department, the FIU community, and low-income women in the U.S. and India. Since 2012, she has served as a Faculty Advisor to students from the *Panther LIFE* program, a collaboration between FIU and the Miami-Dade School System that provides students with Intellectual Disabilities with a college experience and job skills. She is active in several professional organizations and participates in many service activities within her discipline.

Dr. Madhivanan founded the Prerana Women's Health Initiative, a community-based organization providing low-cost, high-quality reproductive health services to more than 12,000 low-income women living in Mysore, India. For more than a decade, the organization has operated a full-service clinic, molecular laboratory and affiliations with several major tertiary care hospitals. This has allowed Dr. Madhivanan a platform for her research and now provides an opportunity for FIU students and faculty interested in learning more about community-based research and service in a developing world setting.

Lindsay Malloy Department of Psychology College of Arts, Sciences and Education

Dr. Malloy is an Assistant Professor of Psychology and Director of the FIU Development, Context, and Communication Laboratory. She received her Bachelor's of Science in Psychology, and Bachelor's of Science in Business Administration from Central Michigan University in 2002. She received her Ph.D. in Developmental Psychology from the University of California, Irvine in 2008. She completed postdoctoral training in Applied Developmental Psychology at the University of Cambridge, UK. Dr. Malloy's research has been funded by the National Science Foundation, National Institutes of Health, U.S. Department of Health and Human Services, and the American Psychology-Law Society.

Dr. Malloy's research focuses on evaluating and improving children's reporting of their experiences. Specifically, her work examines developmental and socio-contextual influences on individuals' event reports, particularly the disclosure of experiences about which there may be motivation to conceal such as maltreatment or illegal behavior. Conducting research at the intersection of developmental psychology and the law, her long-term goal is to determine effective ways to improve the legal participation of vulnerable youth. Dr. Malloy has published 23 peer-reviewed journal articles and 13 book chapters, and presented over 60 talks and posters at national and international conferences. Her publications have appeared in the top legal psychology journals. Dr. Malloy's research is widely cited and has appeared in amicus briefs submitted to the U.S. Supreme Court.

Dr. Malloy has served or is serving as chair or committee member on three masters and eleven dissertation committees, and has chaired three undergraduate Honors Thesis committees. In 2016, she was awarded the FIU Provost Award for Outstanding Mentorship to Graduate Students. She serves as the Chair of the Dissertation Awards Committee of the American Psychology-Law Society and as the Early Career Member Network Representative and Newsletter Editor of Developmental Psychology. She serves on the Editorial Board of Law and Human Behavior, and as ad hoc reviewer for over 20 journals. She has served as a grant reviewer to multiple international funding agencies (Natural Sciences and Engineering Research Council of Canada, Social Sciences and Humanities Research Council of Canada, Royal Society of New Zealand). For her commitment to theoretically rich research with practical implications, Dr. Malloy has received multiple early career awards, including: (1) the Saleem Shah Award for Early Career Excellence in Psychology and Law awarded by the American Psychology-Law Society, (2) the Diane J. Willis Early Career Award from the Society for Child and Family Policy and Practice, (3) the Junior Academic Award from the International Investigative Interviewing Research Group, and (4) she was named one of 2011's "Rising Stars" by the Association for Psychological Science. In 2013, Dr. Malloy was named one of FIU's Top Scholars.

Kyle Mattes Department of Political Sciences and International Relations Green School of International and Public Affairs

Kyle Mattes is an Assistant Professor in the Department of Politics and International Relations. He served as Assistant Professor of Political Science at the University of Iowa. Mattes received his Ph.D. in Social Sciences from the California Institute of Technology and holds a B.A. from Northwestern University.

Mattes' research focuses on voter decision-making, campaign strategy, and political psychology. His work regularly employs a multi-method approach including public opinion surveys, formal game-theoretic models of campaign strategy, and experiments in which participants simulate campaign decision-making. He has published articles in leading political science journals including *Political Psychology* and the *Journal of Politics*. His book *The Positive Case for Negative Campaigning*, published by the University of Chicago Press, explains how the informational content and believability of a negative political ad affect the way it is judged, why voters are not as adverse to negative campaigns as conventional wisdom suggests, and why negative campaigning is ultimately necessary for voters to make accurate judgments about political candidates.

Wallied Orabi School of Construction Management College of Engineering and Computing

Dr. Orabi holds a B.Sc. in Civil Engineering from Cairo University, a M.Sc. in Construction Engineering from the American University in Cairo, and a Ph.D. in Civil Engineering from the University of Illinois at Urbana-Champaign. Before starting his doctoral research at the University of Illinois at Urbana-Champaign, Dr. Orabi held several positions in the construction industry. He has over eight years of industry experience as a Project Controls Engineer and Contract Administrator working for leading construction companies in the Middle East in mega civil infrastructure projects.

Dr. Orabi's research interests are in the area of optimizing and decision making for resilient and sustainable infrastructure systems, especially for highway rehabilitation and reconstruction programs. In his research, Dr. Orabi seeks to identify and optimize the use of limited financial, human, and natural resources in highway construction projects in order to provide safe and quality roads while minimizing both the disruption to society and negative impacts on the environment. Dr. Orabi has published six journal articles in leading journals of the American Society of Civil Engineers (ASCE), in addition to six more articles currently on track. He has also published fifteen papers in international conference proceedings and presented his work to prominent scholars in the field of construction engineering and management. Dr. Orabi served as a PI or Co-PI on externally-funded grants received from the National Science Foundation (NSF) and the U.S. Department of Transportation. He has supervised the research work of six graduate, four doctoral and two master students.

Dr. Orabi is very active and is well known and regarded in the construction engineering and management research community. He is a member of the American Society of Civil Engineering (ASCE) and is affiliated with several of its councils, committees, and subcommittees, including the Construction Research Council (CRC) and the Education, Data Sensing and Analysis (DSA), and Visualization, Information Modeling, and Simulation (VIMS) committees of the ASCE Technical Council of Computing and Information Technology (TCCIT). He serves as a reviewer for five leading ASCE and Elsevier journals. He also served in different capacities (including technical committee member, reviewer, and session chair) for the ASCE Construction Research Congress, the ASCE International Workshop on Computing in Civil Engineering, and the CSCE Construction Specialty Conference.

Okezi Otovo Department of History Green School of International and Public Affairs

Dr. Otovo is a historian of Latin America specializing in the social, political, and cultural history of modern Brazil. She graduated with a BA in History from Carnegie Mellon University and earned the John Hope Franklin Award for Superior Performance. Otovo earned a MA from Georgetown University, focusing her degree on the fields of history and cultural studies. Subsequently, earning her Ph.D. in History from Georgetown University in 2003, where she continued her specialization in Latin America and completed extensive archival research in Brazil while completing her dissertation, "To Form a Strong and Populous Nation: Race, Motherhood, and the State in Republican Brazil.

Prior to joining FIU, Dr. Otovo served as an Assistant Professor at the University of Vermont, teaching a wide-range of introductory and advanced courses in Latin American and Brazilian history. In the fall of 2012, she joined the faculty at FIU where she serves as Assistant Professor of History, is a core faculty member of the African and African Diaspora Studies Program, and an affiliate faculty member of the Kimberly Green Latin American and Caribbean Center (LACC). She also currently serves as Director of Academic Programs in LACC.

Dr. Otovo expanded upon her dissertation research in the publication of her first book, *Progressive Mothers, Better Babies: Race, Public Health, and the State in Brazil, 1850-1945.* Her research has also been published in two peer-reviewed journal articles. Dr. Otovo has a third peer-reviewed article on a distinct topic, as well as a fourth submitted and currently under consideration. Her next book project is a history of disease and social marginalization in 20th century Brazil.

Dr. Otovo regularly presents her research at major international and national conferences and seminars. She has been an invited speaker at both scholarly and community events. She is a member of several professional organizations, including the most significant ones for her discipline and her subfield: American Historical Association, Conference on Latin American History, Latin American Studies Association, Association for the Worldwide Study of the African Diaspora, and Brazilian Studies Association.

Dr. Otovo teaches introductory, advanced, and graduate courses on Latin America, modern Brazil, and thematic topics such as gender, race, and the social history of medicine. She has served on a number of MA and Ph.D. committees for students in History, African and African Diaspora Studies, and Latin American and Caribbean Studies.

Alpesh Kantinal Patel Department of Art and Art History College of Communication, Architecture + the Arts

Dr. Patel is an Assistant Professor of Contemporary Art and Theory and director of the MFA program in the visual arts at FIU. He is also an affiliate faculty of both the Center for Gender and Women's Studies and the African and African diaspora Studies. Patel received his BA in art history with distinction in the major from Yale University, New Haven, CT and his Ph.D. from the University of Manchester in England. Before his appointment at FIU, he was a visiting scholar at the Center for Gender and Sexuality at New York University (2010-11). His writing and curating reflects his queer, anti-racist, and transnational approach to contemporary art. An active critic, he is a frequent contributor to <u>artforum.com</u> and has published in *Artforum*, hyperallergic.com, *Art in America*, and *frieze*. He has reviewed exhibitions in the U.S. as well as in England, Turkey, Ukraine, Poland, and India. He is currently editor of reviews of contemporary art books for College Art Association (CAA), the discipline of art history's major professional organization in the US.

Dr. Patel monograph *Writing transnational South Asian Art histories: cruising and entanglement* is forthcoming from Manchester University Press in June 2017. The Fulbright Foundation awarded him a grant in 2015 to go to Poland to begin research on a new book project exploring trans-regional approaches to lesbian, gay, bisexual, trans, and queer (LGBTQ) -themed artistic practices in Eastern Europe. He was awarded a second Fulbright in 2016 to continue this work. He has co-organized academic panels at the annual conferences of College Art Association (2016), Association of Art Historians (2014, 2017), and Performance Studies international (2012).

He has contributed chapters to peer-reviewed scholarly volumes and has published essays and reviews in peer-reviewed journals such as *Art History: Journal of the Association of Art Historians; Journal of Asian diasporic visual cultures and the Americas;* e-misférica: The journal of the hemispheric institute of performance and politics of NYU; *Yishu: Journal of contemporary Chinese art; darkmatter Journal;* and *Journal of South Asian popular culture.*

Dr. Patel helped establish FIU's Miami Beach Urban Studios as a Junior Cultural Anchor of the city of Miami Beach in 2012 and spearheaded the development of FIU's new curatorial practice track of the MFA in Visual. At MBUS he has organized numerous solo exhibitions of emerging artists broadly exploring identity including mounir fatmi, Tom Scicluna, Saravanan Parasuraman, Paul Donald, and Geraldine Ondrizek; and produced several group exhibitions such as women, which explored queer feminist Chinese art and visual culture.

Geoffrey Potvin Department of Physics College of Arts, Sciences and Education

Dr. Potvin is an Assistant Professor in the Department of Physics and is an affiliate of FIU's STEM Transformation Institute. Dr. Potvin completed his doctorate in high energy theoretical physics at the University of Toronto in 2006 before taking up a science education postdoctoral position in the Curry School of Education at the University of Virginia. Prior to coming to FIU, he spent five years as a faculty member in the Department of Engineering & Science Education and the Department of Mathematical Sciences at Clemson University. Dr. Potvin has taught undergraduate physics and mathematics as well as doctoral courses in discipline-based education. He has served as an elected member of the American Physical Society's Forum on Education Executive Committee, as a member of the National Association for Research in Science Teaching's JRST Best Paper Award Committee and currently serves on the American Association of Physics Teachers' Committee on Diversity.

Dr. Potvin works across DBER fields including physics, engineering and computer science education. He has 24 peer-reviewed manuscripts (published or in press) including papers in the leading journals in physics education (*Physical Review Physics Education Research* – five times), engineering education (the *Journal of Engineering Education* – twice, and the *International Journal of Engineering Education* – twice), chemical education (the *Journal of Chemical Education*), and science education (*Science Education* and the *Journal of Research in Science Teaching*). He has been the Principal Investigator on awards totaling over \$1M and has been Co-PI on awards totaling over \$3.6M.

His research seeks to understand diversity issues in the physical sciences, retention and success in graduate education, and the cultures of STEM fields and the connections to the recruitment of future practitioners. His work in gender issues has highlighted the ways in which students' internalized self-perceptions about STEM competencies, their personal interests, and their K-12 science and mathematics experiences influence the choices they make in their college careers and the ways in which they judge themselves and others. Dr. Potvin also works with the American Physical Society's Bridge Program to study how graduate admissions and other practices affect diversity and Ph.D. completion for underrepresented students.
Andy Pham Department of Leadership and Professional Studies College of Arts, Sciences and Education

Dr. Pham is an Assistant Professor of School Psychology at FIU. He received his B.A. in Psychology from Boston University, M.A. in School Psychology from Tufts University, and Ph.D. in School Psychology from Michigan State University. After completing an APA-accredited predoctoral internship at Virginia Beach City Public Schools, Dr. Pham accepted a postdoctoral fellowship in child neuropsychology at New York University Child Study Center, where he was also a clinical instructor in the Department of Child and Adolescent Psychiatry. He is a certified school psychologist in the state of Florida, and is also a nationally certified school psychologist (NCSP). Dr. Pham teaches graduate courses on intellectual and academic assessment, educational psychology, and child neuropsychology, as well as undergraduate courses on measurement and evaluation in the classroom for pre-service teachers.

Since joining FIU, Dr. Pham has conducted research examining how neurocognitive and sociocultural variables influence academic and mental health outcomes of children, adolescents, and diverse learners. He aims to reduce ethnic disparities in mental health and education by determining risk and protective factors in minority youth and families. Since 2011, his research has resulted in over a dozen peer-reviewed publications, including several with graduate students as co-authors. Dr. Pham has received recognition for his scholarly work as he was selected as an Early Career Scholar by the Society for the Study of School Psychology (SSSP), and was also the recipient of the Blue Ribbon Award for Excellence in Scientific Presentation at the American Psychological Association in 2013. Dr. Pham has also received external grant funding from the Woodcock Institute, Texas Women's University to support his research. He was successful in leading efforts to attain national accreditation of FIU's School Psychology program, Educational Specialist (Ed.S.) level, from the National Association of School Psychologists (NASP) in 2016. Dr. Pham currently serves as Associate Editor of APA Division 16's *The School Psychologist*, and guest co-editor of the *Journal of Educational and Psychological Consultation*.

Stephen Pires Department of Criminal Justice Green School of International and Public Affairs

Dr. Stephen F. Pires earned his M.A. and Ph.D. degrees from Rutgers University. While at Rutgers University, he worked with Dr. Ronald Clarke on several projects related to the illegal wildlife trade. This collaboration produced several empirical studies showing the similarities between conventional property crime and wildlife poaching. As a result of this earlier work, Dr. Pires chose the illegal wildlife trade as a topic for his dissertation study, making him one of the first criminologists in the world to examine wildlife crime as a dissertation topic. The field of 'wildlife crimes' is now seen as a viable sub-field of criminology, in part because of the research by Dr. Pires and Dr. Clarke.

Dr. Pires is an expert on the illegal wildlife trade with a particular focus on commonly poached species, illicit markets, and the organization of the illegal trade. In addition to his work on wildlife crime, Dr. Pires has published several articles on how other deviant behavior, such as kidnappings for ransom and illicit smoking, is clustered in space and time while illustrating the benefits of using GIS to inform prevention policy. Dr. Pires has presented his research at numerous conferences on a national and international scale and has published in a variety of scholarly journals including the *Journal of Research in Crime and Delinquency, British Journal of Criminology, Bird Conservation International, Ocean and Coastal Management, Journal of American College Health, Deviant Behavior, Studies in Conflict and Terrorism, European Journal on Criminal Policy and Research, Global Crime, International Journal of Comparative and Applied Criminal Justice, and Crime Science.*

Dr. Pires is a member of the American Society of Criminology, Environmental Criminology and Crime Analysis, Center for Conservation Criminology at Rutgers University, International Green Criminology Working Group, and the Working Group Psittaciformes of the International Ornithologists' Union. He is an editorial board member for the journal *Global Crime* and has reviewed journal articles for several criminology outlets, while also reviewing grant proposals for the National Science Foundation. Recently, he served as Guest Editor for the Special Issue on 'Wildlife Crime' at the *European Journal on Criminal Policy and Research*.

Sharan Ramaswamy Department of Biomedical Engineering College of Engineering and Computing

Dr. Ramaswamy earned a master's in Engineering from the National University of Singapore and a Ph.D. in Biomedical Engineering from the University of Iowa, followed by post-doctoral work as a visiting fellow at the National Institutes of Health (NIH). Prior to joining FIU, Dr. Ramaswamy served as a Visiting Research Assistant Professor at the University of Pittsburgh. Since joining FIU, he has been directing the Tissue Engineering Mechanics, Imaging and Materials Laboratory (TEMIM Lab). Dr. Ramaswamy's primary research area in engineered heart valve tissues. He is a recognized expert in the area of cardiovascular regenerative medicine and mechanobiology. He and his research group are most well-known for their seminal contributions to heart valve tissue engineering.

Dr. Ramaswamy has published 22 peer-reviewed journal publications since arriving at FIU. At least 20 of these publications have included FIU graduate and undergraduate students as authors. He has published seven book chapters with prominent publishers, with five book chapters having FIU graduate students as the lead authors. His work has been accepted for presentation at various scientific meetings and has been presented by him and his research group (TEMIM lab) over 60 times at national and international conferences. He has secured a total of \$648,545 in funding to support his research thus far. Dr Ramaswamy was awarded a total of \$206,550 (\$187,550 direct costs) in active funding from the National Science Foundation (NSF) and the American Heart Association (AHA) in 2016. He has also established very strong ties with the clinical groups such as Joe DiMaggio's Children's Hospital and the Mannheimer Foundation. Dr. Ramaswamy has graduated three PhD students and five Master's students up to this point. His research group currently consists of 2 PhD and seven Master's level students. On average, five undergraduate students/semester also conduct research in his laboratory. In 2016 Dr. Ramaswamy was awarded the Faculty Award for Excellence in Advising & Mentorship at FIU.

Dr. Ramaswamy teaches several core and elective courses at the undergraduate and graduate level in FIU's Biomedical Engineering department. Dr. Ramaswamy developed five laboratory sessions for an undergraduate class and is now a permanent fixture for the course. Dr. Ramaswamy continues to significantly contribute to the department's teaching needs for example he developed and executed a course in scientific writing, in response to the department's needs to provide guidance for graduate students wishing to take the Ph.D. qualifying exam.

In the area of service, Dr. Ramaswamy has conducted outreach via several platforms, including direct training opportunities for high school students in his laboratory. At FIU he has served on two committees within the department and two committees within the college. Dr. Ramaswamy frequently reviews for several journals and is a member of the bioengineering review panel of the AHA. He has also reviewed in the past for the NSF and the National Institutes of Health (NIH). Additionally he reviews grants for international funding agencies such as: the Health Research Board of Ireland, National Science of Poland, the Dutch Arthritis Foundation and the Center WellcomeTrust/Department of Biotechnology (DBT) India Alliance. Dr. Ramaswamy regularly serves as chair of scientific sessions at conferences, including at the Society of Biomechanics, Bioengineering and Biotransport (SB3C) and Biomedical Engineering Society (BMES) meetings.

Consuelo Beck-Sague Department of Health Promotion and Disease Prevention Stempel College of Public Health and Social Work

Dr. Beck-Sagué is a licensed physician, board certified in pediatrics and infectious diseases, who has worked in public health and infectious disease, including HIV, tuberculosis, and sexually transmitted disease prevention and clinical care for over 35 years. She trained as a pediatrician in the Bronx, New York (1978-1981). After four years of National Health Service Corps work in clinics in underserved Chicato communities, she was accepted into the Epidemic Intelligence Service at the Centers for Disease Control and Prevention, in the Division of Sexually Transmitted Diseases, Atlanta, GA. During this time, she identified and investigated the first epidemics of what became the nationwide syphilis epidemic. These epidemiologic studies contributed to the interventions that resulted in the control of the epidemic, earning her a US Public Health Service (US PHS) Commendation Medal. Her research contributed to improved understanding and design and documentation of effective control strategies for multidrug-resistant tuberculosis epidemics in hospitals, HIV, bloodstream infections, and pyrogenic reactions in hemodialysis units, and bloodstream infections in intensive care units (ICUs) which contributed to the control of high-morbidity conditions in the United States, Africa, and Latin America.

In 2004, she accepted a position as a Clinton HIV/AIDS Initiative Consultant to the Dominican Republic (DR) Ministry of Health to help lead the scale-up of ART in the DR. She helped lead the development of guidelines for use of antiretroviral therapy to prevent as well as treat perinatally acquired HIV infection in the DR, and introduced innovative ways to build capacity in DR providers to use these tools. As incidence of perinatal HIV transmission and mortality in perinatally HIV-infected infants and children plummeted, Dr. Beck-Sagué became increasingly committed to preparing these youth, who their caregivers never expected to survive childhood, for independent "positive" lives making their contributions as adults, and partners and parents of persistently HIV-uninfected persons. She introduced the DR's first camp for children with HIV and competed successfully for USAID funding for a program to support caregivers of children with HIV and fragile adults.

Dr. Beck-Sagué joined FIU as an adjunct professor of Maternal and Child Health and International Public Health and then transitioned to a tenure-earning faculty member. Shortly after joining FIU she submitted a proposal in response to an NIH RFA to support the first binational (Haiti-DR) pediatric HIV project. The project examined the safety and efficacy of an intervention to support HIV-infected children and their caregivers through disclosure of the children's status to them. Dr. Beck-Sagué's research continues to focus on perinatal HIV infection in Latin America and the Caribbean, support of youth with HIV infection, the impact of depression on ART response, and health issues of lowest-income inner-city Miami children, especially asthma. The papers that she authored or coauthored have been cited thousands of times.

Arif Sarwat Department of Electrical and Computer Engineering College of Engineering and Computing

Dr. Sarwat received his M.S. degree in Electrical and Computer Engineering from the University of Florida, in Gainesville, and his Ph.D. in Electrical Engineering from the University of South Florida in 2010. Dr. Sarwat worked at SIEMENS for nine years executing many critical projects. Before joining the FIU, he was a Research Assistant Professor of Electrical Engineering at the State University of New York (SUNY) at Buffalo.

Dr. Sarwat is currently working on vulnerability assessment and resilient design of interdependent infrastructures and cyber security theoretic framework with bounded rationality. His research areas are smart grids, high penetration of renewable systems, power system reliability, large scale distributed generation integration, large scale data analysis, distributed power systems, wireless power transfer, demand side management, communication, and infrastructure resiliency & cyber security. He has received funding and participated in over 20 energy programs, including DOE \$200M funded (total \$800M) Energy Smart Florida. Dr. Sarwat is also a co-developer of DOE \$5M funded (total \$12M) Gateway to Power programs. His significant work in Energy Storage, Micro-Grid and Demand Side Management (DSM) is demonstrated by Sustainable Electric Energy Delivery Systems in Florida. Since joining FIU, Dr. Sarwat has been successful in gaining competitive funding from state, federal and private industry to establish program. The total amount of current projects is more than \$2.4 Million including prestigious CAREER award from the NSF. He is also the lead in building strong industry partnership resulting in additional investment \$7.0 million at FIU. He has published more than 20 journal and 35 conference peer reviewed papers in the past four years. He currently supervises seven Ph.D. students, four master's students and many undergraduate students working in the energy, power and sustainability lab. He has graduated one Ph.D. and four master's students.

Dr. Sarwat is a senior member of the Institute of Electrical and Electronics Engineers (IEEE) and also IEEE Miami Section chair of Vehicular Technology and Communication society. He has volunteered for multiple events and have organized various sessions. Dr. Sarwat is the recipient of multiple awards at FIU which includes Faculty Award for Excellence in Research & Creative Activities in 2016. Dr. Sarwat is a member of the FIU Library Committee, serving as a great resource for the college. He does not only limit his career to mentoring university students, but also enlighten younger students to prepare a cleaner future generation by launching the Energy Club for K-12 students.

Martha Schoolman Department of English College of Arts, Sciences and Education

Dr. Schoolman is a scholar of nineteenth-century U. S. literature. She holds degrees in English Literature from the University of Chicago (A.B.), the University of Texas at Austin (M.A.), and the University of Pennsylvania (Ph.D.). Her research has been supported by grants and residential fellowships from the Mellon Foundation, the National Endowment for the Humanities, the Society for the Humanities at Cornell University, and the American Antiquarian Society. Prior to coming to Florida International University in the fall of 2014, she held a tenure-track position in the English Department at Miami University (Ohio) and a visiting position at Dickinson College (Pennsylvania).

Dr. Schoolman's research examines the literary cultures of the transnational antislavery movement. Her monograph, *Abolitionist Geographies*, reads abolitionism as a critical response to the imperialist designs of both the U. S. and Great Britain. Her coedited collection, *Abolitionist Places*, stages an interdisciplinary conversation around the varieties of transnational antislavery spatial practice, from shipboard sociability during Atlantic crossings to twenty-first century slave-trade commemorations. Her essays and reviews have appeared in various journals including *The American Literary History, Arizona Quarterly, Atlantic Studies, and the Cincinnati Review*. Her current research focuses on the transnational literary debates over the economic and political future of Jamaica in the 1850s and on artistic and political redeployments of abolitionism in the mid-twentieth century, from the New Negro Renaissance to the institutionalization of African-American Studies in the late 1960s.

Dr. Schoolman serves the scholarly community both nationally and internationally. She works frequently as a manuscript reviewer for journals and publishers, including serving on the editorial board of ESQ. She has delivered several invited lectures in Germany, twice at the Bavarian American Academy (BAA) summer school. In June of 2016, she served as co-director and local organizer for the BAA summer school's meeting in Miami.

Dr. Schoolman's teaching and community engagement activities explore the connections between literary aesthetics and social justice. Outside the university, Dr. Schoolman mentors student recipients of the Aqua Foundation for Women scholarship. She has also served as a panelist and facilitator at a number of community-oriented Environmental Humanities events, including the artist Xavier Cortada's "social sculpture" mounted in Hialeah to coincide with the Paris climate change talks in December 2015, and a series of events connected to April Merleaux's NEH-Funded "Ecohumanities for Cities in Crisis" program.

Wensong Wu Department of Mathematics and Statistics College of Arts, Sciences and Education

Dr. Wu received her B. S. in Mathematics from Nanjing University, China, in 2004. She received M. S. in Mathematics and Ph.D. in Statistics from University of South Carolina in 2007 and 2011, respectively. In August 2011, she has joined Department of Mathematics and Statistics at FIU, as an Assistant Professor.

Dr. Wu's research interest is in statistical methodologies and applications for high dimensional data. In particular, she is interested in Bayesian decision theory, model selection and model averaging, and statistical learning theory. Her methodological work has wide applications in the areas of genetics, medicine, and environmental risk assessment. Her collaborative research is multidisciplinary with researchers in and out of FIU in various fields, including brain imaging, immunology, psychology, and epidemiology. Dr. Wu has fifteen papers published or in press in peer-reviewed journals, and four under review or revision. As a co-investigator, her research effort is supported by one NIH R01 grant, and will be supported by another recently funded NIH R01 grant, with other three grant proposals under review. She has been invited to attend 2015 ENAR Workshop for Junior Investigators sponsored by the International Biometric Society. She has also been invited to present her research in twelve conferences and seminars.

Since Dr. Wu joined FIU, she has taught sixteen different undergraduate and graduate level courses, including a new graduate level course developed by her. She has mentored one master student, and served on five master thesis committees and sixteen Ph.D. dissertation committees across eight different departments at FIU. She has served on the departmental colloquium committee and the student recruitment committee. She has also served as a faculty advisor to Statistics Club, and a faculty statistician at the Integrated Biostatistics and Data Management Center at FIU. Professionally, she served as Publication Officer in Risk Analysis Section of American Statistical Association in 2014 and 2015. She is currently an Associated Editor of Journal of Probability and Statistical Science, and has served as a peer reviewer for five journals and one government grant.

Yi Xiao Department of Chemistry and Biochemistry College of Arts, Sciences and Education

Dr. Xiao received her Bachelor of Science and Master of Science degrees in Analytical Chemistry from Northwest University, Xi'an, China in 1994 and 1997. She received her Ph.D. in Analytical Chemistry from Nanjing University in China in 2000. Dr. Xiao obtained her postdoctoral training in biosensors and molecular biology at The Institute of Chemistry at The Hebrew University of Jerusalem in Israel from 2001–2004, and at the Department of Physics and Chemistry of the University of California, Santa Barbara (UCSB) in the USA from 2004–2007. She continued her research as a faculty member in Tom Soh's laboratory at UCSB. In 2011, Dr. Xiao joined FIU's Department of Chemistry and Biochemistry, as well the faculty of the International Forensic Research Institute and the Biomolecular Sciences Institute at FIU.

Since joining FIU, Dr. Xiao has secured \$898K in external grant funding from the National Institute of Justice (NIJ) (\$561,193) and National Institutes of Health (NIH) (\$337,240) as the primary investigator. Her research focuses on employing functionalized biomaterials and new ultra-sensitive platforms to design aptamer-based sensors for point-of-care/onsite testing in the fields of clinical diagnosis, drug screening and pollution monitoring. Dr. Xiao's research has obtained substantial recognition by the scientific community. Since joining FIU, she has published fifteen peer-reviewed articles in high-impact journals. She was corresponding/co-corresponding author for eleven of these, of which seven had her students or postdoctoral fellows as first or coauthor. To date, she has published 65 peer-reviewed research articles and one book chapter, with more than 7,400 citations. Her innovative research has also produced five U.S. and international patents.

At FIU, Dr. Xiao has made significant achievements in the education and mentorship of both graduate and undergraduate students. She has mentored six Ph.D. students and one M.S. student from the Chemistry and Biochemistry programs. Dr. Xiao has also successfully mentored her graduate students in the process of obtaining fellowships and awards, including one NIJ STEM Graduation Research Fellowship, two FIU McNair Fellowships, two FIU Dissertation Year Fellowships, one FIU Worlds Ahead Award and two FIU Graduate & Professional Student Committee (GPSC) Presentation Awards. During this period, she has been also actively involved as an undergraduate research mentor for the FIU Ronald E. McNair Post-Baccalaureate Achievement Program and the FIU Research Experience for Undergraduates (REU) program.

Dr. Xiao has served on several departmental committees and has been heavily involved in the research community as a reviewer for numerous peer-reviewed journals in the fields of chemistry, biomaterials and nanotechnologies, as well as a proposal reviewer for the Army Research Office (ARO). She is also an active member of American Chemical Society (ACS), American Association for the Advancement of Science (AAAS), Materials Research Society (MRS), and American Society of Human Genetics (ASHG).

Agenda Item 3

AP2

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES

Academic Policy and Student Affairs Committee

June 2, 2017

Subject: Tenure as a Condition of Employment Nominations

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees the approval of two (2) candidates for Tenure as a Condition of Employment (TACOE).

Background Information:

Pursuant to the 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 institutions and have been selected to receive TACOE based on the caliber of their work.

Supporting Documentation:	Tenure as a Condition of Employment Nominations
	Tenure as a Condition of Employment Nominees' Bios
Facilitator/Presenter:	Kenneth G. Furton

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Florida International University 2016-2017 Tenure (as a Condition of Employment) Nominations

Name	College	Department	Proposed Rank
Joanne Li	College of Business	Department of Finance	Professor
John L. Volakis	College of Engineering & Computing	Department of Electrical and Computer Engineering	Professor

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Joanne Li, Ph.D. Department of Finance College of Business

Joanne Li earned a B.S. and Ph.D. in Finance both from Florida State University. She is a graduate from the Harvard's Institute for Management and Leadership in Education (MLE). Prior to coming to FIU she served as Dean of the Raj Soin College of Business at Wright State University with a tenure appointment as Professor in the Department of Finance.

Dr. Li's research focuses on the value of corporate governance. She has published thirteen journal articles and has been an invited keynote speaker and given seminars or workshops nationally as well as abroad. In terms of professional service to her discipline, she worked as an editor-in-chief for the Stalla Chartered Financial Analyst (CFA) program, was the associate editor and a past editorial board member for the Financial Analysts Journal, a board member of the CFA Institute. Dr. Li served as dean of the Raj Soin College of Business at Wright State University from Fall 2012 until Spring 2017. The college is comprised of six academic departments, offering ten majors at the bachelor level and six at the master level, and is accredited by the Association to Advance Collegiate Schools of Business and the Accreditation Board for Engineering and Technology. Dr. Li spearheaded the engagement of the business community in support of a wide array of initiatives benefitting the college and its students, including the creation of the Institute for Innovation and Entrepreneurship, as well as programs that enhanced academic excellence, faculty research and student services at the college. For example, she created over 40 new scholarships, established and supported eight experiential learning programs, all with private funding, and delivered 22 proposals and successfully secured 15 existing and new proposals. She raised \$154M overall as part of the university's Rise Shine Capital Campaign. Outside of her institution, she served as the vice president for the Council of Chinese American Deans and Presidents and treasurer for the MidAmerican Business Deans Association and is an American Association of State Colleges and Universities 2016 Millennium Leadership Institute protégé.

John L. Volakis, Ph.D. Department of Electrical and Computer Engineering College of Engineering and Computing

John L. Volakis earned a B.E. from Youngstown State University, and his M.Sc. and Ph.D. in Electrical Engineering both from Ohio State University. Prior to coming to FIU he held the endowed Roy and Lois Chope Chair in Engineering at The Ohio State University, with an appointment as tenured full professor in the Department of Electrical and Computer Engineering since 2003. Until 2016, he also directed the ElectroScience Laboratory where he oversaw 200 faculty, researchers and staff.

Dr. Volakis' research focus broadly encompasses wireless communication and propagation, antennas and arrays, radio frequency, and electromagnetics methods. He is internationally known for introducing hybrid finite element methods in electromagnetics, antenna miniaturizations techniques and textile electronics. His scholarly record is extensive and includes eight widely used books, 400 peer-reviewed journal articles, nine books or course packs, over twenty chapters or articles in edited books, and 800 conference papers and symposium proceedings many of which were given abroad. He documents over 1,200 paper citations per year between 1988 and 2016 and was listed by Institute for Scientific Information (ISI) among the top 250 most referenced scientists in Computer Science and Engineering in 2004. Google measures his productivity and impact at H-index=58 with greater than 15,000 citations. Over the past decade, his research has attracted over \$50M in funding from agencies such as NSF, Defense Advanced Research Projects Agency, Office of Naval Research, the Air Force, as well as from corporate and state awards. His innovative hybrid finite element electromagnetics methods and miniaturization of antenna techniques have brought him world-wide renown. He holds five patents and additional disclosures and applications are pending. In terms of teaching, Dr. Volakis has taught a wide variety of undergraduate and graduate courses and received consistently positive student evaluations. His students regularly garner best paper awards at national conferences. He has mentored and graduated over 85 Ph.D. students. Dr. Volakis' holds highly visible leadership positions in professional organizations, for example currently as chair of the United States National Committee for the International Union of Radio Science Membership, Commission B, under the National Academies of Sciences, Engineering, Medicine; and formerly as President of the Institute of Electrical and Electronics Engineers' (IEEE) Antennas and Propagation Society. He has served as associate and guest editor for half a dozen journals. He also has contributed to his academic institutions at the university, college and departmental levels. IEEE has recognized him with several awards, including the APS Distinguished Achievement Award in 2015. He is a fellow of the IEEE and the Applied Computational Electromagnetics Society (ACES).

Agenda Item 3

AP3

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee

June 2, 2017

Subject: Amendments to FIU Regulation 1103, Textbook Affordability

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees the approval of the amendments to FIU Regulation 1103, Textbook Affordability.

Background Information:

This Regulation addresses the University's efforts to make textbooks and instructional materials more affordable for students. The Regulation is being updated to: (1) describe the assessment practices of pricing variances for textbook and instructional course materials for general education and high enrollment courses, and (2) set forth the University's intent to conduct an annual consultation with public school officials and FIU faculty who teach dual enrollment courses to identify and implement best practices in selecting cost-effective textbook and instructional materials.

Pursuant to Florida Board of Governors Regulation 8.003, Textbook and Instructional Materials Affordability, each board of trustees shall adopt a regulation that establishes textbook 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.

Supporting Documentation:	Amendments to FIU Regulation 1103, Textbook Affordability

Facilitator/Presenter:

Kenneth G. Furton

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THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES FLORIDA BOARD OF GOVERNORS

NOTICE OF PROPOSED AMENDMENT TO REGULATION

REGULATION NO.: FIU-1103

REGULATION TITLE: Textbook Affordability

SUMMARY: This regulation addresses the University's efforts to make textbooks and instructional materials more affordable for students. The Regulation is being updated to: (1) describe the assessment practices of pricing variances for textbook and instructional course materials for general education and high enrollment courses, and (2) set forth the University's intent to conduct an annual consultation with public school officials and FIU faculty who teach dual enrollment courses to identify and implement best practices in selecting cost-effective textbook and instructional materials.

TEXT OF REGULATION: The full text of the Proposed Amended Regulation can be viewed below and on the website of The Florida International University Board of Trustees, <u>http://regulations.fiu.edu/</u>. If you would like a copy of the Proposed Amendment to Regulation, please contact Eli Deville, Departmental Administrator, Office of the General Counsel, 305.348.2103.

AUTHORITY: Board of Governors Regulation 8.003.

NAME OF PERSON INITIATING PROPOSED REGULATION: Kenneth G. Furton, Provost and Executive Vice President.

ANY PERSON SEEKING TO COMMENT ON THE PROPOSED AMENDMENT TO REGULATION MUST SUBMIT COMMENTS IN WRITING TO THE CONTACT PERSON LISTED BELOW. ALL WRITTEN COMMENTS MUST BE RECEIVED BY THE CONTACT PERSON WITHIN 14 CALENDAR DAYS OF THE DATE OF PUBLICATION OF THIS NOTICE.

CONTACT PERSON REGARDING THE PROPOSED REGULATION: Eli Deville, Departmental Administrator, Office of the General Counsel, Florida International University, 11200 SW 8th Street, PC 511, Miami, Florida 33199. Email: <u>devillee@fiu.edu</u> Phone: 305.348.2103 | Fax: 305.348.3272.

DATE OF PUBLICATION: April 28, 2017

THE FULL TEXT OF THE PROPOSED AMENDMENT TO REGULATION IS PROVIDED BELOW:

FIU- 1103 Textbook Affordability.

The Board of Trustees of Florida International University establishes the following procedures for minimizing the cost of textbooks to students while maintaining the quality of their educational experience and continuing to ensure academic freedom.

- (1) (1) No later than sixty (60) days prior to the beginning of each full semester, the Provost's Office shall notify the faculty of the requirements included in this Policy and encourage instructional faculty to be mindful of the importance of cost considerations as they consider the adoption of instructional materials. Selection of textbooks and instructional materials through cost-benefit analyses that enable students to obtain the highest-quality product at the lowest available price, by:
 - (a) Making available digital textbooks in bulk; expanding the use of open-access textbooks and instructional materials; providing rental options for textbooks and instructional materials; increasing the availability and use of affordable digital textbooks and learning objects; developing mechanisms to assist in buying, renting, selling, and sharing textbooks and instructional materials; increasing the length of time that textbooks and instructional materials remain in use; and other proactive measures.
 - (b) Distinguishing the required materials from those which are recommended. By identifying any materials as required, instructors certify that the students need these materials for the course. By identifying any bundled materials as required, instructors certify that students must obtain all the items in the bundle. When it is possible to obtain the bundled materials separately, instructors should specify only those materials which the students need for the course as required.
 - (c) Determining which edition(s) to require for the course, whereby the instructor's adoption shall constitute certification that a newer edition differs significantly and substantively from the earlier versions to warrant the change. When instructors do not believe this to be the case and when it will not impede the instruction of the course, faculty members may indicate on the adoption that students may obtain either the new or older editions as this will ensure affordability options to the students.
- (2) -Textbooks and other instructional materials shall be adopted by <u>the course instructor or his/her designee via transmitting a completed Textbook Adoption Form to the University Bookstore's adoption online platform</u> no later than forty-five (45) days prior to the first day of classes.
 - (a) The 45-days is deadline is established to allow sufficient time for the <u>University</u> Bookstore to confirm availability of the requested materials, to ensure availability of sufficient used instructional materials, and to allow the <u>University Bookstore to</u> <u>source lower cost options, explore alternatives with faculty</u>, coordinate its bookbuy-back activities at the end of the semester with the book orders for the ensuing semester to <u>maximize</u>. When textbooks cannot be ordered within this time-frame, written explanations must be provided to the appropriate Dean's Office, and such orders should be completed as quickly as possible to allow for_the availability of

the used textbooks and instructional materials. A course or section added after this 45-day deadline is exempt from this requirement.

<u>(3)</u> In submitting the Textbook Adoption Form to the University Bookstore, instructors must clearly distinguish the required materials from those which are recommended. By identifying any materials as required, instructors certify that the students need these materials for the course. By identifying any bundled materials as required, instructors certify that students must purchase all the items in the bundle. When it is possible to purchase the bundled materials separately, instructors should specify only those materials which the students need for the course as required. When new editions are ordered by an instructor, such orders shall constitute certification by the instructor that the new edition differs significantly and substantively from the earlier versions to warrant the change. When instructors do not believe this to be the case and when it will not impede the instruction of the course, faculty members may indicate on the Adoption Forms that students may purchase either the new or older editions as this will ensure affordability options to the students.

(b) (3) Textbook Adoptions for required and recommended textbooks and instructional materials for orders placed by the deadline upcoming term will be posted publicly by course section on the University's Bookstore's website by course and linked to the student registration system prior to the beginning of the official registration period for each semester. Students may view the information on the required and recommended instructional materials for each course through either the Bookstore or the Registration websites. <u>Aas soon as they are received.</u> This posted information will include: ISBN, author(s) or editor(s), title, publisher, edition number, copyright and publication dates, or other relevant information

- necessary to clearly indentify the specific materials students must <u>obtain purchase</u> for the course.
- (34) <u>The University shall develop innovative and effective pricing and payment options for textbooks and instructional materials.</u>
 - (a) The University shall conduct consultations with providers including the University Bookstore and publishers to implement price match and other options.
 - (a) (b) ______Determination of the students' ability to pay for instructional materials will be made through the standard student financial aid eligibility assessment. When financial aid applications are made within stated deadlines students with confirmed financial aid eligibility for textbooks will be notified of this prior to the beginning of each semester. They may elect to have their Panther Accounts credited with the approved funding to so they may make textbook and instructional materials purchases from the University Bookstore directly.
 (c) Making available book advances three (3) weeks before the start of classes each Fall/Spring/Summer term, including for students receiving early loan disbursements as not all students take their loans.
- (4) <u>The University shall consult with dual enrollment partner schools to identify best</u> practices that reduce the cost of dual enrollment course textbooks and instructional materials.

- (5) The Office of the Provost shall examine, each semester, the cost of required and recommended textbooks and instructional materials for general education and high enrollment courses by:
 - (a) Identifying any wide variance, as established by the Board of Governors, in the cost among different sections of the same course and submission of a list of courses that have a wide variance in costs among sections to the appropriate academic department chair for review.
 - (b) <u>Identification of the percentage of textbooks and instructional materials that</u> remain in use for more than one term, if such analysis in the textbook adoption platform can be provided.
- (6) No employee of Florida International University may demand or receive any payment, loan, subscription, advance, deposit of money, service, or anything of value, present or promised, in exchange for requiring students to purchase specific items. However, an employee may receive, subject to the requirements of the Florida Code of Ethics for Public Officers and Employees and the outside activity and conflict of interest requirements set forth in University regulations and collective bargaining agreements:
 - (a) Sample copies, instructor copies, or instructional materials. These materials may not be sold for any type of compensation if they are specifically marked as free samples not for resale.
 - (b) Royalties or other compensation from sales of textbooks that include the instructor's own writing or work (which requires the filing and approval of the "Outside Activity and Conflict of Interest" form).
 - (c) Honoraria for academic peer review of course materials.
 - (d) Fees associated with activities such as reviewing, critiquing, or preparing support materials— for textbooks.
 - (e) Training in the use of course materials and learning technologies.

Authority: Section 7(d), Art. IX, Fla. Const., FBOG Regulation 8.003. History-New 3-25-10, <u>Amended</u>.

Agenda Item 3

AP4

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee

June 2, 2017

Subject: Program Termination: Bachelor of Science in Statistics

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees termination of the Limited Access Bachelor of Science in Statistics (CIP 27.0501).

Background Information:

FIU closely monitored this low preforming degree from 2011 to 2015. In 2015-16, the Department of Mathematics and Statistics redesigned the BS in Mathematics to become a BS in Mathematical Sciences. This allowed for the creation of a new statistics major within the restructured degree. The proposal to terminate the Bachelor of Science in Statistics will remove a low preforming degree from our inventory.

Section (1c) of Florida Board of Governors Regulation 8.012 – Academic Program Termination and Temporary Suspension of New Enrollments states it is the University Board of Trustees responsibility and authority to approve termination of degree programs.

Supporting Documentation: Program Termination: Bachelor of Science in Statistics

Facilitator/Presenter: Elizabeth M. Bejar

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Letter of Notification Florida International University Board of Trustees June 2, 2017

Program Name:Bachelor of Science in StatisticsDegree Level:BachelorCIP Code:27.0501Anticipated Termination Term:Fall 2017(First term when no new students will be accepted into the program)Anticipated Phase-Out Term:Effective Fall 2023(First term when no student data will be reported for this program)

Rationale:

FIU closely monitored this low preforming degree from 2011 to 2015. In 2015-16, the Department of Mathematics and Statistics redesigned the BS in Mathematics to become a BS in Mathematical Sciences. This allowed for the creation of a new statistics major within the restructured degree. The proposal to terminate the Bachelor of Science in Statistics will remove a low preforming degree from our inventory.

Bachelor of Science in Statistics						
Year 2011-12 2012-13 2013-14 2014-15 2015-16						
Degrees Awarded	1	1	2	7	5	
Headcount	25	38	25	27	28	

Impact:

The BS in Statistics degree is located at the Modesto A. Maidique Campus (MMC). The Department of Mathematics and Statistics provides a large number of service courses in statistics to both undergraduate and graduate students. This constitutes the bulk of the teaching loads of the department.

The undergraduate courses specifically for the BS in Statistics will now be offered for the new Statistics major within the BS in Mathematical Sciences and students will be able to pursue this field of study. Therefore, no faculty or staff will be terminated as a result of this program closure.

FIU does not anticipate any negative consequence to the enrollment of females or minorities due to the closure of BS in Statistics since students will be able to follow this program of study under the BS in Mathematical Sciences major in Statistics.

Notification:

Current Student Notification: Upon approval of degree termination from the Board of the Trustees, each enrolled student will receive a registered letter (return receipt) outlining the option to remain in the BS in Statistics or change to the BS in Mathematical Sciences with a major in Statistics. The student will be required to meet with an advisor to create an Individual Education Plan (IEP) that specifies a schedule for degree completion. As long as the student remains continuously enrolled and completes all degree requirements, FIU will award the BS in Statistics if completed by Fall 2023.

Faculty Notification: Department Faculty were part of the restructuring of the BS in Mathematical Sciences with a major in Statistics.

New Student Notification: Effective Fall 2017, students applying for admission to the BS in Statistics will be redirected to the BS in Mathematical Sciences with a major in Statistics.

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Agenda Item 3

AP5

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee

June 2, 2017

Subject: New Program Proposal: Bachelor of Science in the Internet of Things

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the Bachelor of Science in Internet of Things (CIP 15.999) new program proposal.

Background Information:

The Department of Electrical and Computer Engineering in the College of Engineering and Computing at Florida International University is proposing a new Bachelor of Science degree in Internet of Things (IoT).

The IoT is a 120-credit undergraduate online degree and will be the first of its kind within the SUS and the nation, removing the Calculus I/II and Circuits requirements from the traditional engineering curriculum. According to a new Gartner forecast, 8.4 billion IoT devices will be in use worldwide this year — an increase of 31 percent from 2016. The IT research firm expects that number to reach 20.4 billion by 2020. This will require a sheer number of skilled undergraduates in hardware, embedded programming, cybersecurity and communications, who can join the future cyber workforce. In addition to tremendous employment opportunities, the proposed IoT program also would serve as a pipeline for graduate education into our online MS in Network Security and MS in Cybersecurity degree program jointly with School of Computer Science.

Each university board of trustees shall approve for implementation new degree programs at the bachelor's, master's, advanced master's, and specialist levels in accordance with sections (3) and (5) of Florida Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings.*

Supporting Documentation:	Executive Summary: Bachelor of Science in Internet of Things (CIP 15.999) New Program Proposal
Facilitator/Presenter:	Elizabeth M. Bejar

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New Degree Proposal: Bachelor of Science in Internet of Things (CIP: 15.999)

Department of Electrical and Computer Engineering College of Engineering and Computing

EXECUTIVE SUMMARY

The Department of Electrical and Computer Engineering in the College of Engineering and Computing at Florida International University is proposing a new Bachelor of Science degree in Internet of Things (IoT).

This is a 120-credit undergraduate online degree in the newly emerging area of IoT technologies. IoT technologies are expected to be used in numerous daily life applications such as smart vehicles, smart homes, medical devices, wearables and smart city infrastructure. By 2020, IoT technologies are expected to be adopted by an overwhelming majority of manufacturers and vendors in industry. According to a new Gartner forecast, 8.4 billion IoT devices will be in use worldwide this year — an increase of 31 percent from 2016. The IT research firm expects that number to reach 20.4 billion by 2020. This will require a sheer number of skilled undergraduates in hardware, embedded programming, cybersecurity and communications, who can join the future cyber workforce. However, with the current undergraduate programs, it is very difficult to find graduates that have this combined skill set. The proposed IoT degree will fill this gap and empower the current undergraduate students with the much-needed skills for this exciting and critical emerging technology.

This new degree, which will be the first of its kind within the SUS and the nation, removes the Calculus I/II and Circuits requirements from the traditional engineering curriculum. Thus, the targeted student population will be different than the existing programs, yet it will have a potential to attract more students to the STEM areas.

Graduates of this program can expect jobs as IoT Hardware, Software, and Application Engineers; Technical Architects; Senior Electrical Architects; Platform Technical Product Managers; and Data Scientists. Top hiring companies for IoT related jobs in the US include Intel, HP, Amazon and The Product Development Company, PTC, which provides technology solutions that transform how products are created and serviced, helping companies achieve product and service advantage. In Florida, graduates may find jobs in companies such as ADT, Assurant, and Honeywell.

In addition to tremendous employment opportunities, this program would also serve as a pipeline for graduate education into our online MS in Network Security and MS in Cybersecurity degree program jointly with School of Computer Science. Creating this unique program will increase STEM graduation rates, and address the critical shortage in Florida of talent in IoT related positions. The graduates will be able to join the workforce immediately after their graduation without a need for further training, certification or graduate degrees.

Implementation Timeframe	Projected Enrollment (From Table 1)				
	НС	FTE			
Year 1	50	50			
Year 2	100	100			
Year 3	100	100			
Year 4	100	100			
Year 5	100	100			

Projected Program Costs (From Table 2)						
E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost		
\$10,008	\$500,406	0	\$8,774	\$509,180		
\$6,694	\$669,446	0	\$8,774	\$678,220		

Agenda Item 3

AP6

THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES Academic Policy and Student Affairs Committee

June 2, 2017

Subject: New Program Proposal: Doctor of Athletic Training

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the Doctor of Athletic Training (CIP 51.0913) new program proposal.

Background Information:

The Department of Athletic Training in the Nicole Wertheim College of Nursing and Health Sciences at Florida International University is proposing a new Doctor of Athletic Training (DAT). The proposed DAT is a two-year program that will provide post-professional education and advanced evidence-based clinical practice experience to athletic trainers with a focus on injury/illness prevention and entrepreneurial leadership. The DAT is a 48-credit, stand-alone degree plan of doctoral study for athletic trainers previously certified through the National Athletic Trainers' Association (NATA) Board of Certification who seek advanced athletic training education and clinical skills on the doctoral level.

The DAT program will offer the majority of the curriculum in an online format and is a professional doctorate-level education program that meets the post-professional education needs of athletic trainers to enhance patient-centered care, outcomes, and quality of life for patients and physically active individuals across the lifespan.

The Bureau of Labor Statistics reports that employment of athletic trainers is projected to grow by 21% from 2014 to 2024. The proposed DAT program is uniquely positioned to assist in meeting statewide, as well as national, professional, and workforce needs. FIU was the first to develop and implement the MS-AT degree program in the state of Florida. FIU can continue to be on the forefront of athletic training education by developing and implementing the first DAT degree program in the southeast region and be one of only five programs nationwide.

Each university board of trustees shall approve new research and professional doctoral degree programs for submission to the Board of Governors for authorization, in accordance with the criteria outlined in section (3) of Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings*

Supporting Documentation:	Executive Summary: Doctor of Athletic Training (CIP 51.0913) New Program Proposal
Facilitator/Presenter:	Elizabeth M. Bejar

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New Degree Proposal: Doctor of Athletic Training (CIP 51.0913)

Nicole Wertheim College of Nursing and Health Sciences

EXECUTIVE SUMMARY

The proposed Doctor of Athletic Training (DAT) is a two-year program that will provide postprofessional education and advanced evidence-based clinical practice experience to athletic trainers with a focus on injury/illness prevention and entrepreneurial leadership. The DAT is a 48-credit, stand-alone degree plan of doctoral study for athletic trainers previously certified through the National Athletic Trainers' Association (NATA) Board of Certification who seek advanced athletic training education and clinical skills on the doctoral level. The DAT program will offer the majority of the curriculum in an online format (87.5% online; 12.5% face-to-face) and will cover the following content areas: applied research (18 credits), advanced clinical skills (6 credits), injury/illness prevention strategies (6 credits), entrepreneurial leadership (6 credits), and individualized clinical residency experiences (12 credits). This is a professional doctorate-level education program that meets the post-professional education needs of athletic trainers to enhance patient-centered care, outcomes, and quality of life for patients and physically active individuals across the lifespan.

Athletic Training is classified as one of the Health Professions and Related Programs (CIP 51) and it is included on the State University System (SUS) Programs of Strategic Emphasis list to meet critical workforce needs in the area of health. Athletic trainers are regulated and licensed health care providers who practice under state statutes similar to physical therapists, occupational therapists, and other health care professionals. The Bureau of Labor Statistics reports that employment of athletic trainers is projected to grow by 21% from 2014 to 2024, which is much faster than the average for all occupations. According to the SUS employment projections table, employment of athletic trainers in the state of Florida is projected to grow by 16.9% from 2015 to 2023. The proposed DAT program is uniquely positioned to assist in meeting statewide, as well as national, professional, and workforce needs by increasing degree productivity (approximately 20 doctoral degrees per year upon full implementation), particularly for underrepresented groups, by leveraging the nationwide reputation and diversity of FIU's Master of Science in Athletic Training (MS-AT) program.

FIU was the first to develop and implement the MS-AT degree program in the state of Florida. FIU can continue to be on the forefront of athletic training education by developing and implementing the first DAT degree program in the southeast region and be one of only five programs nationwide. To date, there is no DAT program offered within the SUS. There are four hybrid DAT programs offered nationwide: A.T. Still University, Indiana State University, University of Idaho, and Temple University. The foci of the proposed DAT program is unique in that no other program focuses on business and entrepreneurial leadership; therefore, FIU DAT students will have the skill set to identify or create opportunities to engage with the community and assume leadership roles to assist with meeting the aforementioned workforce needs in Florida and across the country. These unique foci of the DAT program will foster new research synergies between faculty and community partners that could lead to innovation and possible commercialization of ideas in the areas of injury/illness prevention, improved patient outcomes,

expansion of athletic training services, employment in non-traditional work settings, start-up businesses, and more. Given that DAT students will be practicing clinicians from across the country, this enhances the ability to conduct multi-site research studies with an interprofessional team of researchers, which would positively affect efforts to seek external research funding and enhance FIU's reputation nationwide. In summary, the DAT program contributes to the SUS strategic priorities related to Teaching and Learning, Scholarship, Research, and Innovation, and Community & Business Engagement.

Traditionally, professional athletic training education has been provided at the undergraduate level; however, the future of athletic training education is at the graduate level. The Athletic Training Strategic Alliance (consisting of the Board of Certification, the Commission on Accreditation of Athletic Training Education, the National Athletic Trainers' Association, and the National Athletic Trainers' Association Foundation) and the Executive Committee for Education, which sets the direction for athletic training education, has determined that professional (entrylevel) education should be at the master's level and that post-professional education should be at the clinical doctorate level. The current MS-AT program offered at FIU is the path to professional education. The proposed DAT program is the path to post-professional education. In a survey conducted on FIU athletic training alumni, 77% (n=41/53; response rate=71%) indicated they would be interested in pursuing a DAT degree. This level of interest in the DAT is expected given the transition of the entry-level athletic training degree to the MS-AT. The FIU MS-AT program has established a strong reputation as evidenced by the first-time pass rates on the Board of Certification exam, the high ratio of out-of-state students attending the program, and the number of students obtaining highly-sought-after internships and jobs with high profile professional sports organizations. FIU can leverage this reputation to recruit high quality faculty and students for the DAT program. The MS-AT program, which has an average retention rate of 82%, could serve as a feeder for the DAT program thereby retaining students at FIU for the completion of not only the MS-AT degree, but also the DAT degree (two degrees).

Implementation Timeframe	Proje Enrol (From T	ected lment Fable 1)	Projected Program Costs (From Table 2)				
	НС	FTE	E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
Year 1	20	20	0	0	0	273,000	\$273,000
Year 2	40	40					
Year 3	40	40					
Year 4	40	40					
Year 5	40	40	0	0	0	672,000	\$672,000

FIU FLORIDA INTERNATIONAL UNIVERSITY

Academic Policy and Student Affairs Committee Academic Affairs Regular Reports

Florida International University Board of Trustees Academic Policy and Student Affairs Committee June 2017

Academic Affairs Report Unit Reports

- I. FIUBeyondPossible2020
- II. Student Success
- III. Engagement
- **IV.** Enrollment Management and Services
- V. Information Technology
- VI. Research and Economic Development / University Graduate School
- VII. Student Affairs

I. FIUBEYONDPOSSIBLE2020

1. FIU ComPASS

The Communication Protocol for Accountability and Strategic Support (ComPASS) is a series of meetings that aim to monitor the University's immediate instructional, curricular, and operational needs and their impact on FIU's mission and position relative to the State's Performance Funding Model. ComPASS serves to bridge increasing accountability demands with opportunities for improvement at the university and individual unit level. Conversations are focused on how to maximize resources and focus the university's collective effort on strategies that will provide the greatest return on investments and help ensure strategic plan goals are met by 2020. Thus far, the University has held three successful sessions involving the President, Provost, Vice Presidents, Deans, Chairs, and college staff. Each session has focused on a different area of strategic planning and a subset of the 20 key performance indicator goals.

The first ComPASS, held in April of 2016, addressed Completion and Employment including second year retention, 6-year graduation, excess hours, internships and employment statistics. The second, held in August 2016, focused on Research and Revenue and included discussions on research expenditures, gifts, doctoral degrees, patents and startups. Our final session of the 2016 year was held in November of 2016 and addressed the topic of Strategic Enrollment across the university to include strategic bachelor and graduate degree attainment, enrollment, and delivery model across the university. A combined total of 316 Collegiate and 91 Administrative tasks have been generated at these sessions. These tasks are geared to assist the university toward reaching our FIU*BeyondPossible*2020 Strategic Plan. Additionally, as a follow up to the 2016 FIU ComPASS cycle, a quarterly newsletter highlighting the progress of the strategic tasks shared at each session was initiated.

The 2017 ComPASS cycle was scheduled and began on Tuesday April 25th. This first session was devoted to the discussion of Completion and Employment. The next round of ComPASS sessions will serve as a process to verify the progress and/or completion of strategies detailed at the previous year's session. Additionally, the session will serve to analyze each college's data trend relative to the performance metrics.

Academic Policy and Student Affairs Committee Academic Affairs Regular Reports



2. Strategic Implementation Project Plans

The 33 strategic implementation projects that were awarded a total of \$6M are implementing their initiatives. The bulk of these projects fall under the categories of student success, strategic enrollment growth, and research innovation and entrepreneurship. Most funded projects are at or near completion/institutionalization. Examples include:

- Strategic enrollment planning
- Student course scheduling check-up
- Central coordination of scholarships
- Connect4Success: expansion of student engagement, scholarships, and advising
- Expansion of Multicultural Programs and Services
- Expansion of Center for Advancement of Teaching
- Expansion of the use of Learning Assistants
- Increase in the quantity and quality of hybrid courses
- Gateway Course redesign
- Expansion of advising services
- Expansion of Office to Advance Women, Equity, and Diversity
- Professional development for Department Chairs
- Start-Up FIU
- Social Innovation/Changemaker campus
- Incentives for faculty innovation/patents
- Research advocacy

3. Preeminent and Emerging Preeminent Programs

One of the goals of the FIU*BeyondPossible*2020 Strategic Plan is identifying and supporting the University's preeminent programs to strengthen and further FIU's mission as a leading public research university in the 21st century. Twenty-nine FIU programs responded to a University-wide request to apply for the designation of University Preeminent and Emerging Preeminent Programs as defined below:

- <u>A University Preeminent Program</u> is a collaborative endeavor that demonstrates extraordinary success in providing unique learning opportunities, pioneering research and engagement while expanding FIU's financial base. Designation as a preeminent program is recognition for outstanding contributions to advancing FIU's BeyondPossible2020 strategic plan and enhancing the University's reputation at the national and international levels.
- <u>A University Emerging Preeminent Program</u> is a collaborative endeavor with high potential to be designated preeminent. With strategic support, an emerging preeminent program could potentially build upon its distinctive merits, strengths, and successes to earn the preeminent program designation.



The Provost appointed an FIU Preeminent Program Selection Committee of nine faculty members, most of whom are tenured, representing a majority of colleges and departments. The Selection Committee reviewed the applications and submitted recommendations to the President and Provost. The President and Provost have selected the following programs for this designation:

Preeminent Programs

- The Bridge Engineering Program
- The Center for Children and Families
- The Extreme Events Institute
- The Institute for Water and Environment
- The STEM Transformation Institute

Emerging Preeminent Programs

- The Brain, Behavior and the Environment Program
- The Health Disparities Program
- The Kimberly Green Latin American and Caribbean Center
- The Tropical Biodiversity, Sustainable Agriculture and Conservation Program

Details about these programs were collected and published. A dedicated webpage can be found online at: <u>https://beyondpossible.fiu.edu</u>.

The Provost's team met with the principal investigators of all of the Preeminent and Emerging Preeminent Programs to assess their needs and to advance their goals. Support may include cluster hire priority, marketing, media relations, fundraising priority, travel funds, grant proposal support, government relations assessment and priority, space priority consideration, student support priority, and bridge funding priority. The Provost and the Vice President of the Office of Research and Economic Development have strategized with the leads of these programs to detail their specific support request needs and developed custom timelines by which some of them will be fulfilled.

4. Launch of an Internal Communications Campaign

The Provost's Office, in partnership with External Relations, launched an internal communications campaign for faculty and staff to increase awareness of and inspire action towards fulfilling **FIUBeyondPossible2020**'s promises to our students and community. Success stories are posted online <u>https://beyondpossible.fiu.edu/our-progress/index.html</u> and at various locations around campus using both print and electronic bulletin boards.

Academic Policy and Student Affairs Committee Academic Affairs Regular Reports



II. STUDENT SUCCESS REPORT

1. College Life Coaching and Strategies for Success Course Pilot

For the fall pilot phase of the College Life Coaching, students demonstrated increases in their pre- and post- assessment scores. The biggest increases were in managing their time and schedule effectively; and better understanding university policies and procedures. 71% of the students who participated had a positive increase in their GPA; and 43% moved from academic warning to good standing.

Qualitative feedback from the spring pilot programs is also positive. Students find their coaches to be motivational; and they find the course to be academically and socially relevant to their continued success. In a reflection about the course, one student stated, "I appreciate you and everything you do for me and your other students. You are extremely impactful in my life and from the bottom of my heart, I thank you." Students have also indicated their appreciation for the coaching process, "I believe it's safe to say that it gave me relief as well as gratitude to talk about my goals and ways to accomplish them. ...[She] gave me feedback which is 10x better than the usual 'you should do this' talk. I can't wait until my next meeting and see how far along I've come and what else to improve." Advisors are also hearing positive feedback. One student shared that "he wished the coaching existed before his GPA fell, and that it was key to his success this semester."

2. Completion Grants

FIU has been chosen to participate in a grant funded by The U.S. Department of Education's Institute of Education Sciences (IES). This 3.98 million dollar grant is a result of efforts by the Association for Public and Land Grant institutions (APLU) and Temple University. The purpose of the grant is to conduct research on programs like FIU's Graduation Success Initiative (GSI) grant, to examine their effectiveness and best practices. The results of the research conducted will better inform completion programs across the nation, helping students who need a small amount of financial assistance continue on their pathway to graduation.

3. AAC&U Institute on High Impact Practices and Student Success

FIU was selected via a competitive application process to participate in the AAC&U Institute on High Impact Practices and Student Success this summer. The institute will provide an opportunity for several campus partners to come together and design an innovative plan to identify and assess High Impact Practices, like capstone courses and undergraduate research, at FIU. This process is a critical first step in understanding how we can leverage current practices to increase retention and graduation rates. Furthermore, it is a fundamental piece of the Think 30: Finish in four campaign, which will launch over the next year.


III. ENGAGEMENT REPORT

1. Talent Development Network (TDN)

The Talent Development Network continues to excel in its core goal of creating new industry specific internships. On February 14, 2017, students and employers from across Miami-Dade County were given the opportunity to practice highly important networking skills at a breakfast at the Beacon Council as part of an event for TDN. More than 60 students from seven academic institutions that participate in Miami's Academic Leaders Council joined more than 50 employers – such as Uber, the New Tropic, Miami-Dade County, the City of Miami Beach, Telefonica, Senator Daphne Campbell, Stardom Up and Cargo42 – for an hour of speed networking. Each participant had the opportunity to speak to either a student or employer for three minutes at a time before they were asked to move on.

The networking was followed by a panel where interns Feras Ahmed and Alma Ramirez spoke about their internship experiences and how it helped launch their career alongside their employers, Brian Brackeen of Kairos and Mallesh Murugesan of Abeyon, respectively, who shared the value that interns bring to companies.

Part of a new series, TDN's next speed networking breakfast will be held in Fall 2017.

2. Life Sciences South Florida (LSSF) Undergraduate Symposium

On Saturday, April 1, 2017, more than 200 life science undergraduate students and faculty from all across southern Florida judged or presented their original research at the Life Sciences South Florida Annual Research Symposium. Hosted by Palm Beach State College, the fifth symposium was the largest symposium yet, which included students from all LSSF member institutions: FIU, FAU, Miami Dade College, Nova Southeastern University, Indian River State College, Broward College, St. Thomas University, Palm Beach State College, Florida Gulf Coast University, Florida Memorial University, Barry University, and the University of Miami. We welcomed Florida Memorial University (FMU) faculty and students to their first year participating in the Symposium.

Palm Beach State College (PBSC) President Ava L. Parker, FIU Vice President Saif Ishoof, long-time Palm Beach County Commissioner Karen Marcus, Scripps Florida scientist Dr. Brian Paegel and 2012 Symposium Alum Michael Butts addressed the attendees, and encouraged them in their scientific endeavors.

Winners of the symposium earned technology prizes, including iPads, Beats headphones, and Apple TVs. All participants were entered into a raffle for six HP printers, sponsored by FIU's Business Services. Symposium costs were paid for by LSSF member institutions, with support from PBSC's National Science Foundation (NSF) Innovate grant.



3. Maya Angelou Breakfast - Little Haiti Engagement - via Education Effect

This past April 4th, Carlotta Walls Lanier joined more than 100 community leaders in Little Haiti including Maya Angelou's grandson, Elliott Jones; FIU President, Mark B. Rosenberg; Vice President for Engagement, Saif Y. Ishoof; Education Effect Director, Dr. Donnie Hale Jr.; Director of the Sant La Haitian Neighborhood Center, Gepsie Metellus; and the philanthropist who helped launch the Education Effect in Little Haiti, Rose Ellen Greene; for a day of reflection and celebration in honor of Maya Angelou on what would have been her 89th birthday.

Bringing together some of Little Haiti's most influential and impactful community leaders, the breakfast was an opportunity to share and celebrate successes, discuss innovations and opportunities to collaborate, honor the important black women who have helped shape American history, and learn about the work FIU is doing in Little Haiti.

"Both Maya and Carlotta have dedicated much of their lives to helping others reach their American dream," said President Rosenberg. "At FIU we are no different. From the beginning, FIU has always been about access. We believe that no one who is driven and determined deserves to fall through the cracks. We measure our success by who we include not exclude."

4. Together for Children

Together for Children is a coalition of government, education, business, law enforcement, justice and funding entities that have joined together to provide leverage and expand their collective resources to promote youth safety and address the root causes of youth violence.

FIU's Office of Engagement continues to serve as the higher education liaison to the Together for Children Coalition. As of March 2016, FIU facilitated the recruitment of sixteen faculty members from FIU, Miami Dade College, UM, Florida Memorial University, Barry University, St. Thomas University, and University of Florida. These researchers are partnering on collaborative grant writing and long term evaluation projects surrounding the proposed scope of work for the coalition.

Faculty members from the FIU School of Social Work have been able to partner with local agencies on grants related to coalition activities. Grant proposals have resulted in funding recommendations from The Children's Trust at more than \$500,000. Final awards will be announced on May 2nd, 2017.

IV. ENROLLMENT MANAGEMENT AND SERVICES REPORT

1. Enrollment

On Saturday, April 1, FIU hosted the largest Admitted Student Day on record. Over 2,000 admitted first time in college (FTIC) and transfer students and guests attended the campus-



wide event. Participants were treated to breakfast, participated in academic information sessions, took campus and residence hall tours, and met with representatives from campus life and Student Affairs. There were 288 students who submitted an RSVP but had not yet submitted a deposit; 54 deposits were collected during Admitted Student Day.

New Student Enrollment

Early Fall/Summer 2017

As of April 19, 2017, we have admitted 46% or 963 more students to the Early Fall term over point in time last year. The deadline for applications for the early fall/summer term was on March 15. In addition, FIU is ahead by 8% or 92 matriculated FTIC over point in time compared to last year.

Also as of April 19, 2017, we are ahead in transfer matriculation. There has been a 1% increase or sixteen more deposits from transfer students over point in time last year.

Fall 2017

As of April 19, 2017, FIU is flat as it relates to students submitting deposits; 2214 FTIC have made deposits this year. Admission to FIU is selective and the average GPA of admitted FTIC is 4.1. The average SAT is currently just over 1200 and the average ACT is 26. Applications closed for fall term on April 14 and the term will close on May 1.

As of April 19, 2017, FIU is ahead in transfer admission and matriculation. There has been an 8% increase or 95 more deposits from transfer students over point in time. There has also been an enrollment increase of 28% or 39 students.

2. Office of Graduate and International Admissions and Recruitment Services (GIARS)

As of April 17, 2017 total applicants and admits for doctoral programs were stable point-intime for Fall 2017. It is too early to determine enrollment for Master's programs as the general deadline for applications is June 1. There is often volatility this early in the Master's admissions process due to the decentralized nature of the graduate admissions. More concrete enrollment projections are expected by July 1, which is a month prior to the departmental deadline to admit students.

3. Financial Aid

FAFSA Campaign

The Free Application for Federal Student Aid (FAFSA) became available for the 2017-2018 school year on October 1, 2016. A comprehensive awareness campaign is ongoing to inform current and prospective FIU students of the importance of filing the FAFSA by our March 1 Priority Deadline.

Results of our FAFSA Campaign have exceeded our expectations. By the March 1, 2017 priority deadline, 12,163 more students filed their FAFSA's for the 2017-2018 school year than filed for the 2016-2017 school year on March 1, 2016. This is a 38% year over year



increase. The Early FAFSA has proven to greatly affect student behavior positively. Enrollment Services will be concentrating on ensuring students complete any outstanding requests for data to ensure awards are made and students are aware of their funding for next Fall by early this summer.

New Student Aid Awards

Awarding for all new incoming students has been ongoing since late February. There was a total of 8,318 new students packaged as of April 18, 2017.

Golden Promise

The Golden Promise program is a commitment by FIU that First Time in College Freshman who are Florida Residents and have no expected family contribution (EFC) as measured by the Free Application for Federal Student Aid (FAFSA) will have their tuition and fees for 30 credits a year covered with a combination of federal, state, and institutional grants and scholarships. Golden Promise students must register full time for the Fall and Spring each year and complete 30 credits with a 2.0 grade point average by the end of each academic year (including Summer term).

As of April 18, 2017, 1,903 Golden Promise eligible students have been admitted for Early Fall/Fall 2017 and 922 have already committed to FIU.

4. Office of Scholarships

The Office of Scholarships assisted 640 students in applying for Fall 2017-Spring 2018 scholarships resulting in over \$200,000 awarded in scholarship aid (see scholarship student profile below).We are excited to report that we have received commitments from four National Merit Finalists and sixteen National Hispanic Scholars. This will be the largest cohort of National Merit and National Hispanic Scholars in FIU's history.

17-18 Cohort Profile

<u>Merit Only- Premier Scholarships – National Merit, National Hispanic, Presidential,</u> <u>Ambassador, Transfer</u> FTIC- 4.43 GPA, 1413 SAT, 31 ACT Transfers-4.0 GPA

<u>Premier and Gold and Blue</u> FTIC- 4.33 GPA, 1276 SAT, 28 ACT Transfers-3.78 GPA

<u>All-Premier, Gold and Blue and Raise.me</u> FTIC- 4.29 GPA, 1258 SAT, 28 ACT Transfers-3.78 GPA



5. Office of the Registrar

The Office of the Registrar is implementing several projects to ensure that our class schedules have a positive impact on FIU's performance against FLBOG metrics and our strategic goals. We are working to have positive impact on four-year graduation rates, percentage of students that graduate with zero excess credit hours, and the number of credit hours for which students enroll each term. To support the institution in the pursuit of these goals we are implementing Platinum Analytics, Reserve Capacity, and Waitlist functionality.

Platinum Analytics

In partnership with an internal implementation team and Ad Astra, we will use student enrollment patterns, class offerings, and degree audit data to estimate student demand for course sections. We will provide program managers with up to date dashboards and reports concerning their students' unmet demand for courses based on each student's outstanding graduation requirements. Through this effort, we will support the colleges as we:

- 1. Decrease the number of excess credit hours that students incur.
- 2. Increase the number of credit hours in which students enroll.
- 3. Decrease students' unmet demand for courses.
- 4. Increase four and six year graduation rates.

Reserve Capacity

We are conducting the second pilot test of the Reserve Capacity functionality. Our current pilot includes 208 sections; however, when fully implemented, program managers will be able reserve seats in sections of all courses for students that meet criteria beyond the basic course prerequisites. For example, program managers will be able to reserve class space for graduating seniors, students with specific upper-division course needs, FIU online students, and other groups that influence our performance against FLBOG metrics. Through implementing this project, we will help course managers:

- 1. Meet student course demands.
- 2. Increase their College's average credit hours per student (by term).
- 3. Decrease the length of time between a students' entry into the College and their graduation dates.

<u>Waitlist</u>

In March 2017, we confirmed that all portions of PeopleSoft's waitlist system functioned properly with our system customizations. We are now testing waitlist with classes offered through the College of Arts, Sciences, & Education and the College of Business. When generalized to the entire undergraduate curriculum, this project will provide program managers with current term information regarding student demand for sections; it will also



provide students with opportunities to register in classes the day that space becomes available. By investing our effort in this project, we will increase the average number of credit hours that students attempt per term and decrease the amount of time required to earn a bachelor's degree.

6. OneStop

During the first three months of the Spring 2017, OneStop completed over 74,277 points of service through in-person, on-phone, on-line chat, and via e-mail regarding Financial Aid, Registration and Admissions. This total exceeds the previous year customer service by over 6,316 student cases, an increase of 9.3%.

The electronic line management system for in-person interactions has been highly successful at both campuses as it provides students flexibility to complete other tasks while waiting. Over 22,857 students used the electronic service at MMC from January – March and 1,206 at the BBC campus. All students must use the system to meet with someone. Of those who used the system, 81% were served at MMC (17,932) and 99% were served at BBC (1206).

During the month of March, we integrated the system to include Panther ID information so that students can be contacted for follow-up survey or reminders in the future. Chat survey responses during the same time period indicate that student satisfaction remains at an 84% average between "Good and Great" rankings during non-peak dates but falls to fair satisfaction of 68% average during high volume periods.

V. INFORMATION TECHNOLOGY REPORT

1. IT Security Enhancement Strategy Update

The Division of IT has rolled out a new Cybersecurity Awareness Training to all FIU faculty and staff. This new computer based training is delivered in short, three to five minute modular videos with a brief assessment to be completed by the user at the end. The training is available is Spanish, English, and French, and is tailored to address different audiences such as general users, more advances users, and IT administrators. Notifications are generated to the user when new trainings assignments are available, when they are overdue, and when they have been completed. Additionally, reporting capabilities allow managers to receive reports on their employee's completion status.

2. AskIT Update

The Division of Information Technology is now live with a new online self-help portal for information technology services at FIU. AskIT is a one-stop destination for knowledge, alerts, and requests. It allows users to report issues for centrally-managed IT services on campus. AskIT is fully cloud-based and allows for the creation of workflows to automate IT service requests and disseminate changes and alerts more effectively. Since its launch on



March 6, 2017, over 2500 incidents and 600 service requests have been managed through AskIT. Additionally, there are currently over 160 knowledge-based articles published on AskIT for self-help resources. AskIT's intuitive search functionality delivers responses to technical questions more efficiently due to an extensive knowledge-base and catalog of services. FIU students, faculty, and staff are able to use a consistent, intuitive platform that is accessible on any device of their choosing.

3. Institutional Business Intelligence and Analytics Implementation Update

FIU Business Intelligence is now live with Human Resources Analytics data related to workforce effectiveness and workforce deployment. Historically, Human Resources reporting consisted of only transaction query reporting and did not have cross-system reporting capabilities between HR, Financials and Campus Solutions. FIU's Business Intelligence Human Resources Analytics provides a centralized data warehouse, comprehensive data models, and the opportunity to leverage integration to Campus Solutions and Financials data. Useful quick facts include current employee headcount, current job instances, employees by ethnicity and gender, business unit and department hierarchy, and allows for drill-down scenarios. Workforce data examines employee turnover whether voluntary or involuntary, demographics, and trends. Subject areas to be rolled-out in the future include Compensation, Payroll, Recruitment, Time and Labor, and custom models such as ePRF (Electronic Personal Request Form), Contracts, and eLeave.

VI. RESEARCH AND ECONOMIC DEVELOPMENT / UNIVERSITY GRADUATE SCHOOL REPORT

1. External Grant Awards' Performance

FIU researchers received \$78M through March 31, 2017, which represents a 4% increase when compared with awards received during the same period last fiscal year. Notable increases include the Extreme Events Institute (426%), the Institute for Water and the Environment (339%) within the School of Environment, Arts and Society (19%), the Chaplin School of Hospitality and Tourism Management (113%), the Herbert Wertheim College of Medicine (73%), and the School of Social Work (59%) within the Stempel College of Public Health and Social Work (40%). The value of proposals submitted through March 31, 2017 decreased by 2% (\$358M) compared with the same period last fiscal year – \$365M; the number of applications submitted during this period remained almost unchanged – 732 vs 730 last fiscal year through March 31.

2. Key Research Awards

Dr. Shuliang Jiao from the Department of Biomedical Engineering received a four-year, \$2M grant from the National Institutes of Health (National Eye Institute). Dr. Jiao has been a pioneer in development of biophotonic technology for ophthalmic imaging. In this funded project, his innovative research seeks to develop new technologies for identifying and understanding loss of vision such as that caused by hereditary retinal degeneration or age-related macular degeneration. His team has proposed new imaging technologies based on visible light optical coherence tomography to quantitatively image the distribution of



rhodopsin, the functional biomarker of rod photoreceptors. These novel imaging technologies will add a significant clinical tool for diagnosis, staging, and follow-up of retinal degenerative disorders. Drs. Nazira El-Hage (Department of Immunology) and Matthew DeGennaro (Department of Biological Sciences) received nearly \$2.2M in grants from the Florida Department of Health related to Zika research. Dr. El-Hage's project seeks to develop nanoscale approaches for Zika virus pathogenesis and therapeutics. The study aims to ascertain how the virus gets into the brain, the mechanism by which it enters cells, and then what kinds of therapies can be effective in eradicating it. Dr. DeGennaro's project, which is part of a wider partnership with UF and USF, will identify the genes that allow mosquitoes to smell repellents to facilitate the design of new mosquito repellents in order to provide insight into the molecular mechanism of mosquito repellency and a list of molecular targets for repellent design.

3. University Graduate School (UGS)

Through summer and fall 2016, we have awarded 151 research doctorates (41% increase compared with the same period last year) and 2,134 masters' degrees (3% increase from last fiscal year). As of April 3, UGS received 2409 applications for doctoral programs, a 3% increase when compared to last year. Both domestic and international applications for doctoral programs have increased, however we have experienced noticeable increases in international applications. For instance, we have received 37 more applicants from Bangladesh, 23 more from India, nineteen more from Nigeria, seventeen more from Nepal, and ten more from Eritrea. Thus far, we have admitted 290 doctoral students, a 3.6% decrease compared to last year. The application deadline for masters' programs is June 1, and UGS has received 5804 applications – a 9.7% decrease compared to last year. We have admitted 1305 masters' students, a 3.6% decrease compared to last year.

To celebrate the accomplishments of our graduate students, UGS held Graduate Student Appreciation Week during in March, 2017. Over 240 masters and doctoral students from all colleges showcased their work in oral and poster presentations. To promote interdisciplinarity, the presentations this year were not organized into research field-specific categories and the students were judged by faculty members and postdoctoral fellows from a variety of backgrounds and areas. Additionally, graduate students and postdocs participated in professional development workshops on publishing, intellectual property, innovation and career choices, offered by Dr. Heinz Arnheiter (NIH and Editor in Chief of the Journal Pigment Cell and Melanoma Research), Dr. Christine Grant (Associate Dean, U. of North Carolina), Elizabeth Garami (ORED) and Kate Sackman (StartUp FIU). On the last day of the workshop, the Provost Awards Ceremony was held to recognize those students who won best oral and poster presentation awards as well as students and faculty who won awards for outstanding publication in STEM (doctoral students James Stroud, Biological Sciences and Haixiang Yu, Chemistry and Biochemistry), non-STEM (doctoral student Alvin Chiang, Economics), community engagement (MS student Laurel Nakanishi, English), teaching assistant (doctoral student Arash Moshkforoush, Biomedical Engineering), mentorship (Dr. Suzanne Koptur, Biological Sciences and Dr. Bethany Reeb-Sutherland, Psychology), and graduate program director (Dr. Kristie Wood, History).



4. Innovation and Economic Development

Between January 1 and March 31, 2017, FIU researchers have disclosed 25 inventions, which represent a 47% increase when compared with the same period last calendar year. Additionally, FIU inventors received six patents and filed fifteen patent applications during this period.

Professor S.S. Iyengar, Director and Ryder professor of the School of Computing and Information Sciences within the College of Engineering and Computing, was awarded a patent, along with co-inventors, for a tool that provides early intervention for glaucoma. The unnamed device works by directly monitoring intraocular pressure. The device, which is the size of a small electronic chip, is surgically implanted in the eye between the iris and the cornea. Patients can keep track of their intraocular pressure, as often as once a week or more if necessary, by simply looking in the mirror. If the device changes color, there is a change in eye pressure, and the person should seek treatment right away to avoid retinal damage. The device needs no batteries or power supply.

The U.S. Food and Drug Administration (FDA) granted an investigational device exemption for the first-in-human trial for technology developed by Ranu Jung, Interim Dean of the College of Engineering and Computing and Chair of Biomedical Engineering, and her Adaptive Neural Systems Laboratory team. Dr. Jung's technology, a neural-enabled prosthetic hand system (NEPH), stimulates nerves in the arm to provide sensation as the person is using the prosthetic hand. The prosthetic system has the first fully implantable, wirelessly controlled Class-III device with electrodes that can be surgically implanted within the nerves of the residual arm.

5. StartUP FIU

The initial StartUP FIU cohort which included nineteen teams that participated in the program from Sept – December 2016, resulted in the creation of six new companies, 34 new jobs, and 23 new student internships through March 31, 2017. Revenue also increased by over \$215,000 during that same period. The second cohort began at the end of January 2017 with 21 teams selected out of 155 applications. Pitch Day will be May 9, 2017.

VII. STUDENT AFFAIRS REPORT

1. GOJA-iChangeFIU Social Innovation Challenge

The GOJA-iChangeFIU Social Innovation Challenge is the newest program at the Center for Leadership and Service. The program grew from a partnership with Walter Gonzalez, Jr., the president of GOJA LLC, an online e-commerce company that ships thousands of orders each day to customers throughout the world. As an FIU alumnus, Gonzalez was interested in how he could help contribute to FIU's Ashoka U mandate to cultivate a culture of social innovation among our students. The overall mission is to create a space where students can learn about social entrepreneurship, pitch an idea to a panel of informed judges, and ideally



win a \$7,000 prize provided by GOJA in a final round of competition to help kick start the winning idea.

The three finalists were Andrea Saladrigas with Master Honey, an initiative to connect lowincome women to bee-keeping practices so they can learn how to sell their honey; Karley Chynces with Endless Textbooks, a student P2P marketplace where students can buy and sell textbooks with students on their campus; and Jessica Laguerre with Princess Training, a mentorship initiative specifically for young women of color across the country. The winner, Saladrigas, received the \$7,000 award and ongoing support from both the Center for Leadership and Service and GOJA LLC.

2. Annual Student Life Awards

The annual Student Life Awards ceremony was held April 6. Vice President for Student Affairs Larry Lunsford hosted the program and recognized outstanding students in various categories. Student nominees and recipients, parents, faculty, staff, administrators, and guests attended.

Awards were presented to outstanding freshmen, sophomores, juniors, seniors, and graduate students; leadership; service; diversity; spirit, shining stars; scholars; and two students were awarded Kapan Educational Center scholarships. The top award, the Presidential Award, was presented to a "Worlds Ahead" student who significantly influenced the FIU community beyond expectation. The 2017 recipient is Jessica Weissman, a doctoral candidate, researcher, and scholar in Public Health. She is changing the world through her work in the Department of Health Promotion and Disease Prevention and beyond. She has published nine journal articles and presented at over fifteen regional, national, and international conferences. She will graduate with her Ph.D. in December 2017.

3. Women Who Lead Conference

The Women Who Lead Conference, sponsored by the FIU Women's Center in the Division of Student Affairs, featured keynote speaker, Angela Davis. It was held at Modesto Maidique Campus on March 21 and at Biscayne Bay Campus on March 22. Over 600 students, alumni and community members attended the event.

Women Who Lead is a conference designed to enhance the leadership development of FIU students, and to expose students to diverse women leaders in a variety of career fields. Panel discussions and guest speakers covered topics such as financial literacy, career planning, networking skills, community organization, and equality.