Commencement
SOCIAL MEDIA
Whether you are a #UFGrad or you are here to celebrate a #UFGrad, we invite you to join the commencement conversation on social media. Select tweets will be featured on the video boards prior to and after the ceremony.

PHOTOGRAPHS
The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates’ seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.

COMMENCEMENT PROGRAM
Additional copies of this commencement program are available while supplies last at the UF Bookstore for a $1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in their family to attend college. The commencement program can be ordered online with an additional charge for shipping and handling.

THIS IS NOT AN OFFICIAL GRADUATION LIST
While every effort is made to ensure accuracy in this commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student’s academic or degree status. The university’s official registry for conferral of degrees is the student’s permanent academic record as reflected on the student’s transcript, maintained by the Office of the University Registrar.
Greetings from the President

On behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of 2018.

Today’s ceremony celebrates your remarkable accomplishment in earning a doctoral degree from one of the world’s leading research institutions. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings. I join you in thanking your faculty advisor, mentors and the family and friends who have supported you in your journey to reach this day.

Today is a day for celebration, and also for reflection on your future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research and analysis skills you honed as a doctoral student will serve you well.

The complexity and global nature of today’s professional opportunities demand nothing less.

The university has benefited from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, best wishes, and Go Gators!

W. Kent Fuchs

University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Building on many years of excellence and focused leadership, the university has reached its goal of joining the nation’s top ten public research universities. Dr. Fuchs has set UF on a path to joining the top-five public research universities and becoming the nation’s top-ten public research university. Dr. Fuchs earned his doctorate in electrical and computer engineering from the University of Illinois, and a Master of Divinity from Trinity Evangelical Divinity School. He credits divinity school with teaching him communication and community-building skills, and to balance his innately analytic perspective with a deep appreciation for human relationships. He also holds a Bachelor of Science in Engineering from Duke University.

Previous to the UF presidency, Dr. Fuchs was provost of Cornell University. He has served in academic leadership positions and as a faculty member of electrical and computer engineering at Cornell, Purdue and the University of Illinois.

He is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the Institute of Electrical and Electronics Engineers, and the Association for Computing Machinery, and has received numerous awards for teaching and research.

President Fuchs earned his doctorate in electrical and computer engineering from the University of Illinois, and a Master of Divinity from Trinity Evangelical Divinity School. He credits his divinity school with teaching him communication and community-building skills, and to balance his innately analytic perspective with a deep appreciation for human relationships. He also holds a Bachelor of Science in Engineering from Duke University.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian whose scholarship centers on the sculpture of sarcophagi created in the first centuries of Christian art-making. Mrs. Fuchs has two master’s degrees in art history, from the University of Chicago and Cornell, and a third in Biblical studies, from Trinity Evangelical Divinity School.

The Fuchses have three sons, a daughter, and three grandchildren.

Born on an Oklahoma farm in 1954, President Fuchs spent much of his youth in Alaska before moving to Miami, where he graduated from Miami Killian Senior High School.

University of Florida Leadership

State Board of Education

Pam Stewart
Commissioner of Education
Marva Johnson
Chair
Andy Tuck
Vice Chair
Florida Board of Governors

Marshall M. Criser III
Chancellor
Pam Stewart
Commissioner of Education
Ned C. Lautebach
Chair
Sydney Kitson
Vice Chair

Good morning everyone. It is my pleasure to welcome you to this special occasion. Today is a day for reflection, celebration, and also for our future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research and analysis skills you honed as a doctoral student will serve you well.

The complexity and global nature of today’s professional opportunities demand nothing less.

The university has benefited from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, best wishes, and Go Gators!

W. Kent Fuchs
COMMENCEMENT AGENDA – FRIDAY, AUGUST 10, 4:00 p.m.

Presiding        W. Kent Fuchs
                 President

Processional    Gainesville Brass Quintet

National Anthem Anthony Offerle
                 Gainesville Brass Quintet

Welcome         W. Kent Fuchs

Introductions  Joseph Glover
                 Provost and Senior Vice President
                 for Academic Affairs

Commencement Address W. Gregory Sawyer
                 Professor, Mechanical and
                 Aerospace Engineering

Presenting Candidates for Degrees Joseph Glover

Conferring of Degrees Robert Stern
                 Member, UF Board of Trustees

Closing Remarks W. Kent Fuchs

Alma Mater      Anthony Offerle
                 Gainesville Brass Quintet

Recessional     Gainesville Brass Quintet

Postlude        Gainesville Brass Quintet

Commencement Speaker

W. Gregory Sawyer

Greg Sawyer is a professor, engineer, scientist, cancer researcher and cancer survivor who has turned his attention from exploring outer space to exploring new frontiers in the battle against cancer.

A professor of mechanical engineering at the University of Florida, Greg was a member of the original Mars Rover design team at NASA’s Jet Propulsion Laboratory. He helped design equipment for the Mars Pathfinder’s Sojourner Rover that surveyed the Martian landscape, and decades later he designed and built the first moving mechanical experiments that operated while exposed to the harsh low-Earth orbit environment aboard the International Space Station.

In 1998, while a Ph.D. student at Rensselaer Polytechnic Institute, Greg unveiled a molecular dynamics simulation at the prestigious TED conference in Monterey, Calif. The program – written with college roommate Torkel Svanes – was designed to run on desktop computers rather than supercomputers and helped researchers quickly test hypotheses and interact with atoms in motion.

Twenty years later, Greg’s approach to cancer research follows the same mold, with a focus on allowing scientists to visualize and interact with cancer. Using bio-printing techniques and other approaches pioneered at UF’s Herbert Wertheim College of Engineering, his team builds tumors from patient’s cancer cells. This gives researchers the opportunity to test therapies and study their biology in 3D, real time in the laboratory.

After his own diagnosis with stage-IV cancer, Greg converted his laboratory in surface engineering into a center for cancer and tumor engineering. He has taught thousands of students and mentored dozens of PhD students – many of whom, like Greg, now work at the interfaces between engineering, science and biomedicine. He is a member of the National Academy of Inventors and a UF Distinguished Teaching Scholar who holds dozens of patents and has authored over 200 scientific publications.

Greg and his wife, Carol, have two sons, William, 17, and Charles, 13.
GRADUATE SCHOOL

HENRY T. FREISER, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Mohammad Y. Abdulrahman
Major: Geography
Dissertation Chair: J. Mossa

Yasmeen M. Abouelhassan
Major: Pharmaceutical Sciences—Medicinal Chemistry
Dissertation: Discovery and Mechanistic Studies of Novel Bacterial Biofilm-Eradicating Agents
Dissertation Chair: R. W. Huigens III

Denny Fe Garcia Agana
Major: Epidemiology
Dissertation: Identifying Primary Care Relevant Risk Factors to Reduce Readmissions
Dissertation Chair: C. L. Striley

Shakeel Ahmed
Major: Rehabilitation Science
Dissertation: Acute Intermittent Hypoxia and Inspiratory Threshold Loading as Strategies to Enhance Inspiratory Muscle Function
Dissertation Chair: A. D. Martin III

Ibtisam Hilal Al Abri
Major: Food and Resource Economics
Dissertation Chair: K. A. Grogan

Mimonah Qasim Al qathrady
Major: Computer Engineering
Dissertation: Data-Driven Indoor Mobility Analysis, Modeling, and Encounter Classification for IoT Applications
Dissertation Chair: A. A. Helmy

Abdullah A. Alalwan
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy
Dissertation: Assessment of the Use of Warfarin in Bariatric Surgery Patients
Dissertation Chair: A. G. Hartzema

Ahmad Mohammad Hassan Al-Bashaireh
Major: Nursing Sciences
Dissertation: Comparison of Bone Turnover Markers between Young Adult Male Smoker and Nonsmokers
Dissertation Chair: M. Weaver

Mohammad Shabib Al-Khalidi
Major: Coastal and Oceanographic Engineering
Dissertation: Turbulence over an Inner-Shelf Influenced by Waves, Tides, and Thermal Stratification
Dissertation Chair: A. Valle-Levinson

Shaikha Helal Al-Kuwari
Major: Anthropology
Dissertation: Cultural Beliefs of Type-2 Diabetes among First and Second Generation Arab American Muslims in Dearborn, Michigan
Dissertation Chair: H. R. Bernard

Abeer R. Almudailih
Major: Nutritional Sciences
Minor: Agricultural Education and Communication
Dissertation: Comprehensive Home Food Environment Intervention for College Freshmen Living in a Residence Hall
Dissertation Chair: K. P. Shelnutt

Brian M. Amos
Major: Political Science
Dissertation: Gerrymandering in Florida and the Nation
Dissertation Chair: D. A. Smith

Rodrigo Antunes
Major: Civil Engineering
Dissertation: Effects of Aggregate Gradation on Aggregate Packing
Dissertation Chair: M. Tia

Clayton W. Argenbright
Major: Materials Science and Engineering
Dissertation: Effect of Nanoscale and Hierarchical Topographies on the Antifouling Efficacy of Silicone Surfaces
Dissertation Chair: A. Brennan

Danielle Marianne Arnold
Major: Animal Sciences
Dissertation: Approaching Challenges in Animal Conservation: Understanding Elephant Reproductive Biology and Utilizing Animal Behavior Research Experience to Engage Students in Science
Dissertation Chair: E. K. Miller Cushon

Aurélia Marie Danielle Aubert
Major: History
Dissertation: Empires of Liberty: Republicanism and Slavery in Napoleonic France and the American South
Dissertation Chair: W. Link

Kelsey L. Autin
Major: Counseling Psychology
Dissertation: Career Development in Undocumented Immigrant Young Adults: A Qualitative Analysis
Dissertation Chair: R. D. Duffy

Eyup Serdar Ayaz
Major: Computer Science
Dissertation: Geometric Algorithms for Witness Sets and Guard Sets in Piecewise Linear Models
Dissertation Chair: A. Ungor

Hassan Azad
Major: Design, Construction and Planning
Dissertation: Computer Modeling of Sound Diffusion and Scattering Coefficients and Their Influence on the Diffusivity and Acoustic Quality of Architectural Spaces
Dissertation Chair: G. W. Sieben

Jing Bai
Major: Food Science
Dissertation: Spoilage Indicators for Determining Tuna and Mahi-Mahi Quality and Safety
Dissertation Chair: P. J. Sarnoski

Ray Bai
Major: Statistics
Dissertation: Bayesian High-Dimensional Models with Scale-Mixture Shrinkage Priors
Dissertation Chair: M. Ghosh

Navid Bargrizan
Major: Music
Dissertation: Micronotation, Technology, and (Post)Dramatic Structures in the Theatrical Music of Harry Partch and Manfred Stahnke
Dissertation Chair: S. dos Santos
Nathan S. Barnwell  
Major: Aerospace Engineering  
Dissertation Chair: J. Conklin

Ricardo Barroso Ferreira  
Major: Chemistry  
Dissertation: Triiron Complexes for the Study of Nitrogen Fixation  
Dissertation Chair: L. J. Murray

Estefania Mercedes Basurto Cedeño  
Major: Health and Human Performance  
Dissertation: Developing a Resilience Model for Destinations: An Application to Ecuador  
Dissertation Chair: L. Pennington

Craig C. Bateman  
Major: Entomology and Nematology  
Dissertation: Patterns of Coevolution among Symbiotic Fungi, Bacteria, and Scolytine Beetles  
Dissertation Chair: J. Hulcr

Martha Battaglin Ramos  
Major: Design, Construction and Planning  
Dissertation: The Restorative Urban Realm: A Psychosocial Approach to Construct the Restorative Urban Experiential Landscape  
Dissertation Chair: T. S. Houter

Jody Nicole Berman  
Major: Art History  
Dissertation: Laughing ‘Til It Hurts: Race, Humor, and Subversion in the Work of Ten Artists  
Dissertation Chair: R. E. Poynor  
Dissertation Co-chair: P. A. Ortiz

Elizabeth M. Beshearse  
Major: Nursing Sciences  
Dissertation: Source Attribution of Illnesses Transmitted Commonly by Food and Water in the United States Using Structured Expert Judgment  
Dissertation Chair: J. Cimatti

Melissa M. Bianchi  
Major: English  
Dissertation: Simulated Species: The Question of the Animal in Digital Games  
Dissertation Chair: T. A. Harpold

Joseph B. Black  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: GRK5 Promotes Prostate Cancer Progression  
Dissertation Chair: Y. Daaka

Eric Carl Blair  
Major: Industrial and Systems Engineering  
Dissertation: Models and Algorithms for Preventive Maintenance Scheduling with Hierarchical Set-Ups  
Dissertation Chair: Y. Guan  
Dissertation Co-chair: E. Akcali

Amanda Boczkowski  
Major: Medical Sciences—Medical Physics  
Dissertation: Design, Construction, and Validation of a Novel Collimation System to Perform Proton Stereotactic Radiosurgery Using a Mevion S250 Proton Therapy Unit  
Dissertation Chair: F. J. Bova

Carolyne C. Bradley  
Major: English  
Dissertation: John O’Brien’s The Review of Contemporary Fiction: A Love Letter  
Dissertation Chair: M. C. Bryant

William Marshall Brewer  
Major: Materials Science and Engineering  
Dissertation: Investigation of SiGe FinFETs and Vertically Stacked Nanowires via Atom Probe Tomography  
Dissertation Chair: K. S. Jones

Daniel J. Brooker  
Major: Physics  
Dissertation: Precision Predictions of Primordial Power Spectra  
Dissertation Chair: R. P. Woodard

Kevin Edward Buettner  
Major: Chemical Engineering  
Dissertation: Incorporating Complex Particle Properties into the Closure Models for Continuum Simulations of Granular Flows  
Dissertation Chair: J. S. Curtis

James D. Bullock II  
Major: Chemistry  
Dissertation: Trans-N-Heterocyclic Carbene Platinum (II) Acetylides and Their Application in Deep Blue Organic Light-Emitting Diodes  
Dissertation Chair: K. S. Schanze  
Dissertation Co-chair: R. K. Castellano

Larry Edwin Burrell II  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Association of Adolescent Perceived Peer Condom Use Norms and Sexual Health among Adult Men  
Dissertation Chair: N. Ennis  
Dissertation Co-chair: M. E. Robinson

Zachary Ronald Dylan Thomas Bush  
Major: Physics  
Dissertation: Sub-Photon per Second Detection Using Optical Heterodyne Interferometry  
Dissertation Chair: G. Mueller

Earlesha T. Butler  
Major: Mass Communication  
Dissertation Chair: B. E. Tripp

Xuan Cao  
Major: Statistics  
Dissertation: Graphical Models, Nonlocal Priors in High-Dimensional Bayesian Analysis  
Dissertation Chair: K. Khare  
Dissertation Co-chair: M. Ghosh

Zhendong Cao  
Major: Coastal and Oceanographic Engineering  
Dissertation: Baroclinic Effects on the Long-Term Estuarine Morphodynamic Evolution  
Dissertation Chair: M. Glaberneta Lizaso

Melissa Raquel Cervantez  
Major: Psychology  
Dissertation: Cortical Processing during Reward-Based Decision-Making  
Dissertation Chair: N. E. Rowland  
Dissertation Co-chair: A. Keil

Dee Duygu Cetin-Berber  
Major: Research and Evaluation Methodology  
Dissertation: Examining the Performance of Multilevel Multiple Imputation Methods for Propensity Score Analysis with a Continuous Treatment  
Dissertation Chair: W. L. Leite
Choeeta Chakrabarti
Major: Anthropology
Dissertation: Trump, the Alt-Right and Modern Populism in America
Dissertation Chair: C. McCarty

Saptarshi Chakraborty
Major: Statistics
Dissertation: Theory and Applications of Markov Chain Monte Carlo Techniques
Dissertation Chair: K. Khare
Dissertation Co-chair: S. W. Wong

Krittapras Chanchaiworawit
Major: Astronomy
Dissertation: Discovery of the Highest Redshift Protocluster: Lyman Alpha Emitters at z=6.5
Dissertation Chair: R. Guzman

Manu Chandran
Major: Electrical and Computer Engineering
Dissertation: Application of Machine Learning Techniques in Point Cloud Generation and Point Cloud Object Classification
Dissertation Chair: D. Wu

Nilovna Chatterjee
Major: Forest Resources and Conservation
Minor: Soil and Water Sciences
Dissertation: Depth-Wise Distribution of Soil-Carbon Stock under Shaded-Perennial Agroforestry Systems: Case Studies from India and Costa Rica
Dissertation Chair: R. P. Nair
Dissertation Co-chair: V. D. Nair

Chao Chen
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy
Dissertation: Observational Studies in Inflammatory Bowel Disease
Dissertation Chair: A. G. Hartzema

Chen Chen
Major: Astronomy
Dissertation: The Gaseous Environments of Quasars: Outflows, Feedback and Cold Mode Accretion
Dissertation Chair: F. Hamann III
Dissertation Co-chair: V. L. Sarajedini

Hao Chen
Major: Public Health
Dissertation: Carbon Nanotubes Modulate Host Pulmonary Immune Responses and Respiratory Virus Infection
Dissertation Chair: T. L. Sabo-Attwood

Li-Li Chen
Major: Political Science
Dissertation Chair: L. E. Sjoberg

Karishma Sanjay Chhabria
Major: Public Health
Dissertation: Investigating the Impact of Biopsychosocial Factors on Treatment Outcomes in Head and Neck Cancer Patients
Dissertation Chair: G. D. Carnaby
Dissertation Co-chair: A. V. Blue

Alexander Barrett Chidakel
Major: Interdisciplinary Ecology
Dissertation: Institutions, Governance, and the Economic Performance of Protected Areas in Southern Africa
Dissertation Chair: B. A. Child
Dissertation Co-chair: G. Barnes

Keith George Christopher
Major: Chemical Engineering
Dissertation: Iontophoresis via Contact Lenses
Dissertation Chair: A. Chauhan

Eunjin Chun
Major: Linguistics
Dissertation: The Role of Prediction in Adaptation: An Evaluation of Error-Based Learning Accounts
Dissertation Chair: E. Kaan

Jung Won Chun
Major: Mass Communication
Dissertation: Understanding Empowerment Process of Willingness to Speak out on Social Media: The Effects of Perceived Opinion Congruency, Online Supportive Communication, and Psychological Empowerment
Dissertation Chair: M. J. Lee

Andrew Perry Clark
Major: Classical Studies
Dissertation: Solon the Poet, Solon the Lawgiver, Solon the Sage: The Intersecting Legends of Solon
Dissertation Chair: R. S. Wagman

Blake C. Colclasure
Major: Agricultural Education and Communication
Dissertation: Data Mining Techniques to Estimate Propensity Scores for Categorical and Continuous Treatments
Dissertation Chair: W. L. Leite

Cristina Colomer Winter
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Significance of (p)ppGpp and Manganese Homeostasis to Enterococcus faecalis Systemic Infections
Dissertation Chair: J. A. Lemos

Anthony Coman
Major: English
Dissertation: CinemaScope Aesthetics: Technology, Style, and Meaning
Dissertation Chair: M. C. Turim

David J. Cox
Major: Psychology
Dissertation: Influences on Delay and Probability Discounting in Humans
Dissertation Chair: J. Dallery

James Matthew Crandall
Major: Anthropology
Dissertation: The Transformations of Empire: Negotiating Inka and Spanish Colonialism in an Upper Amazonian Community
Dissertation Chair: A. Oyuela-Caycedo

Earl Charles Crew
Major: Psychology—Clinical and Health Psychology
Dissertation: Microfibrillar Assessment of Non-Motor Disturbances in Parkinson’s Disease: Influence of Sleep on Pain, Mood, and Cognition
Dissertation Chair: M. E. Robinson

Paul E. Crittenden
Major: Mechanical Engineering
Dissertation: Numerical Methods for Single and Two-Phase Flow Developed to Determine the Stability of Rapidly Expanding Contact and Particle Interfaces
Dissertation Chair: S. Balachandar
Khanh Quoc Dang
Major: Mechanical Engineering
Dissertation: Atomic Simulations of Dislocation Properties and the Role of Stress State in Aluminum
Dissertation Chair: D. Spearot

Lindsey E. Darvin
Major: Health and Human Performance
Dissertation: The Leaking Pipeline: Voluntary Occupational Turnover and The Experiences of Former NCAA Female Assistant Coaches
Dissertation Chair: M. Sagas

Dipsika Debnath
Major: Physics
Dissertation: Generic and Sensitive Searches for New Physics
Dissertation Chair: K. T. Matchev

Christopher D. DeCubellis
Major: Agricultural Education and Communication
Dissertation: Factors that Influence Middle and High School Student Participation in 4-H Clubs
Dissertation Chair: R. K. Barrick

Alissa C. Deming
Major: Veterinary Medical Sciences
Dissertation: The Role of Otarine herpesvirus-1 in California Sea Lion (Zalophus californianus) Urogenital Carcinoma
Dissertation Chair: J. F. Wellehan Jr.

Adrienne Danielle deNoyelles
Major: History
Dissertation: The Lung Block: Tuberculosis and Contested Spaces in Progressive-Era New York
Dissertation Chair: J. S. Adler

Meghan Deshais
Major: Psychology
Dissertation: Evaluations of Imitation Training with Children with Autism
Dissertation Chair: T. R. Vollmer

Allyson D. Diggin
Major: Psychology—Clinical and Health Psychology
Dissertation: Understanding Physical Activity Behavior among Black Female College Students: An Exploration of the Theory of Planned Behavior and PEN-3 Model
Dissertation Chair: N. Ennis

Qian Ding
Major: Rehabilitation Science
Dissertation: Neural Adaptations after Non-Paretic Hand Exercise to Task-Failure in Chronic Stroke
Dissertation Chair: C. Patten

Phillip John Dixon
Major: Chemical Engineering
Dissertation: Translational Research in Ophthalmic Drug Delivery from Lab to Clinic
Dissertation Chair: A. Chauhan

Arthur Reginald Dizon
Major: Chemical Engineering
Dissertation Chair: M. E. Orazem

Rongrong Dong
Major: Curriculum and Instruction
Dissertation: Teaching Reading and Writing beyond High-Stakes Testing: One High School Exemplary Chinese Language Arts Teacher’s Efforts in Nurturing Readers and Writers under a Test-Driven Culture
Dissertation Chair: D. Fu

Leilei Duan
Major: Design, Construction and Planning
Dissertation Chair: P. D. Zwick
Dissertation Co-chair: I. Bejleri

Nicholas David Ducharme-Barth
Major: Fisheries and Aquatic Sciences
Dissertation: Using Vessel Monitoring System Data to Understand the Spatial and Temporal Dynamics of the Commercial Vertical Line Fishery for Reef Fish in the Gulf of Mexico
Dissertation Chair: R. Ahrens

Isaac D. Duerr
Major: Agricultural and Biological Engineering
Dissertation: Spatial and Spatio-Temporal Modeling with Applications to Biological Processes
Dissertation Chair: N. A. Bliznyuk

Shaun M. Duke
Major: English
Dissertation: The Archipelago of Worlds: Caribbean Literature and the Modalities of Liberative Spatiality
Dissertation Chair: L. R. Rosenberg
Dissertation Co-chair: P. E. Wegner

Brenda Wells Dyal
Major: Nursing Sciences
Dissertation: Discrimination of Pain Type in Adults with Sickle Cell Disease Examination of the Association between PainReport Sensory Pain Quality Descriptors and Quantitative Sensory Testing
Dissertation Chair: D. J. Wilke
Dissertation Co-chair: M. D. Ezenwa

Daniel J. Eizenga
Major: Political Science
Dissertation: Managing Political Liberalization after Multiparty Elections: Regime Trajectories in Burkina Faso, Chad, and Senegal
Dissertation Chair: L. A. Villalon

Rasha Assad Elhesha
Major: Computer Engineering
Dissertation: Developing Efficient Algorithms to Identify Patterns of Biological Networks
Dissertation Chair: T. Kahveci

Johanna Paulina Espin Moscoso
Major: Sociology
Dissertation: Regulations, Enforcement and Policies to Address Environmental Harms in Artisanal and Small-Scale Gold Mining (ASGM) in Peru
Dissertation Chair: S. G. Perz

Catherine Fahey
Major: Interdisciplinary Ecology
Dissertation: The Role of Plant-Soil Interactions in Plant Invasion and Response to Chronic Drought
Dissertation Chair: S. Flory

Farimah Farahmandi
Major: Computer Engineering
Dissertation: Hardware Trust Verification using Formal Methods
Dissertation Chair: P. K. Mishra

Jixin Feng
Major: Electrical and Computer Engineering
Dissertation: Jamming Attacks to Partition Wireless Networks and Defensive Strategies
Dissertation Chair: J. M. Shea
Maureen Patricia Fennessy  
Major: Curriculum and Instruction  
Dissertation: Reading and Writing in Sixth-Grade Science Classrooms  
Dissertation Chair: Z. Fang

Fernanda Carolina Ferreira  
Major: Animal Sciences  
Dissertation: Studies on Seasonality of Dairy Production across the U.S.  
Dissertation Chair: A. De Vries

Jasper Colin Fessmann  
Major: Mass Communication  
Dissertation: Fundamentals of Public Interest Communications  
Dissertation Chair: L. L. Hon

Oscar Figueroa III  
Major: Materials Science and Engineering  
Dissertation: Design of High Strength Shame Memory Alloys in the Ni-Ti-Ga Ternary System  
Dissertation Chair: M. V. Myers

Evan Matthew Forman  
Major: Chemical Engineering  
Dissertation: Using NMR Diffusometry to Understand Gas Transport in Novel Porous Membranes and Catalysts  
Dissertation Chair: S. Vasenkov  
Dissertation Co-chair: K. J. Ziegler

Xinyu Fu  
Major: Design, Construction and Planning  
Dissertation Chair: Z. Peng

Janak Gaire  
Major: Medical Sciences—Neuroscience  
Dissertation: Assessment of Biological Failure Mechanisms of Intracortical Microelectrodes  
Dissertation Chair: K. Otto

Brittany Nicole Gannon  
Major: Nursing Sciences  
Dissertation: Social Networks, Social Capital, and Loneliness of Rural and Sub-Urban Older Adults Living with HIV  
Dissertation Chair: J. R. Stacciari

Alan Garner  
Major: Astronomy  
Dissertation: Probing the Galactic Center with CIRCE  
Dissertation Chair: S. S. Eikenberry

Sky Vladimir Georges  
Major: Agricultural Education and Communication  
Dissertation: An In-Depth Analysis of the Lived Experiences of Agricultural Undergraduate Students in Haiti  
Dissertation Chair: N. L. Stedman

Bruce Allan Getz Jr.  
Major: Mass Communication  
Dissertation: How Motivation and Instructor Presence Affect Learning a Nonacademic Hands-On Task from a Video Tutorial  
Dissertation Chair: Y. Lee  
Dissertation Co-chair: D. H. Ostroff

Satyajit Ghosh  
Major: Statistics  
Dissertation: Consistency of High Dimensional Bayesian Time Series  
Dissertation Chair: K. Khare  
Dissertation Co-chair: G. Michailidis

Tuhin Ghosh  
Major: Chemistry  
Dissertation: Syntheses and Properties of Molecular Manganese-oxo Clusters and Supramolecular Aggregates of Single-Molecule Magnets  
Dissertation Chair: G. Christou

Vashkar Ghosh  
Major: Business Administration—Information Systems and Operations Management  
Dissertation: Essays on Operations Strategy and Service Competition  
Dissertation Chair: A. J. Vaikaria

Emily Louise Gill  
Major: Chemistry  
Dissertation: Mass Spectrometry Innovations for Evaluating the Metabolic Signature of Parkinson’s Disease and Deep Brain Stimulation  
Dissertation Chair: R. A. Yost

Katie M. Glodzik  
Major: Interdisciplinary Ecology  
Dissertation: Impacts of Saltwater Intrusion and Hydrologic Change to Salt Marsh and Coastal Forest of Florida’s Big Bend  
Dissertation Chair: D. A. Kaplan

Dihong Gong  
Major: Computer Science  
Dissertation: Towards Building Large-Scale Multimodal Knowledge Graph  
Dissertation Chair: Z. Wang

Sarah J. Graves  
Major: Forest Resources and Conservation  
Dissertation Chair: S. A. Bohlman

David McCaskill Gray  
Major: Electrical and Computer Engineering  
Dissertation: Classifier Training Set Augmentation by Warping Synthetic Data in a Subspace Manifold  
Dissertation Chair: J. C. Principe  
Dissertation Co-chair: J. G. Harris

Kristen Marie Gregory  
Major: English  
Dissertation: From Mutants to Masterminds: Cold War America and the Fiction of the Gifted Child  
Dissertation Chair: K. B. Kidd

Christopher Robert Greulich  
Major: Nuclear Engineering Sciences  
Dissertation: Computed Tomography of Dry Cask Storage for Nuclear Fuel  
Dissertation Chair: J. E. Baciak

Hang Guan  
Major: Computer Engineering  
Dissertation: Image Stacks as Parametric Surfaces: Application to Image Registration and Blind Source Separation  
Dissertation Chair: A. Rangarajan

Yao Guan  
Major: Psychology  
Dissertation: Oscillatory Brain Dynamics of False Belief Understanding and Complementation Syntax in Adults and School-Aged Children  
Dissertation Chair: M. J. Farrar  
Dissertation Co-chair: A. Keil
Andrea Denise Guastello  
Major: Counseling Psychology  
Dissertation: The Impact of Sleep and Executive Functioning on Pediatric Obsessive-Compulsive Disorder Treatment  
Dissertation Chair: J. P. McNamara  
Dissertation Co-chair: B. Moradi

Zimu Guo  
Major: Electrical and Computer Engineering  
Dissertation Chair: D. J. Forte

Mandisa Roelene Haarhoff  
Major: English  
Dissertation: Black in the Apartheid Afterlife of Apartheid: Death and Blackness in Late- and Post-Apartheid Narratives  
Dissertation Chair: A. G. Amoko

Ian Kane Haluska  
Major: Agricultural and Biological Engineering  
Dissertation: The Impact of Spatial Resolution on Predicting Hydrology and Ecological Responses in the A.R.M. Loxahatchee National Wildlife Refuge, Florida  
Dissertation Chair: K. W. Migliaccio  
Dissertation Co-chair: R. Munoz-Carpena

Alexander Arthur Haluska  
Major: Environmental Engineering Sciences  
Dissertation: Performance Assessments of Bioremediation and Bioaugmentation of Chloroethene DNAPL Source Zones  
Dissertation Chair: M. D. Annable

Ziqian Han  
Major: Civil Engineering  
Dissertation: Determination of Barge Impact Loads for the Design of Inland and Coastal Waterway Infrastructure  
Dissertation Chair: G. R. Consolazio

Miao He  
Major: Electrical and Computer Engineering  
Dissertation: Methodologies to Enhance Testability and Security of Modern SoCs  
Dissertation Chair: M. M. Tehranipoor

William C. Hedderson  
Major: Health and Human Performance  
Dissertation: The Effects of Propranolol on Acute Inflammatory Cytokines and Muscle Function following an Exercise-Induced Muscle Injury to the Shoulder in Individuals with a High Pain Sensitivity COMT Polymorphism  
Dissertation Chair: P. A. Borsa

Rachel Kristin Hensley  
Major: Counseling and Counselor Education  
Dissertation: LGBTQ+ Affirmative Intersectional Counseling Development and Evaluation of a Training Workshop for Counseling Students  
Dissertation Chair: A. Puig

Lauren Michael Henry  
Major: Criminology, Law, and Society  
Dissertation: Prosecutorial Sexual Assault Case Declination in Indian Country: A Legal Theory Consideration  
Dissertation Chair: L. M. Lanza Kaduce

Abigail L. Hernandez  
Major: Medical Sciences—Neuroscience  
Dissertation: The Role of Prefrontal Cortical-Medial Temporal Lobe Interactions and Metabolism in Cognitive Aging  
Dissertation Chair: S. N. Burke

Ashley Ann Holland  
Major: English  
Dissertation: Visualizing Resistance: The Sustained Archive of Queer Women’s Comics from the 1970s to the 2000s  
Dissertation Chair: A. M. Ulanowicz

Sierra Amber Holland  
Major: Sociology  
Dissertation: Constructing (M)otherhood: The Transition to Parenthood for Lesbian Couples  
Dissertation Chair: K. L. Broad-Wright  
Dissertation Co-chair: T. M. Korpecky-Cox

Md Marup Hossain  
Major: Food and Resource Economics  
Dissertation: Access to Capital and Subsequent Livelihoods of Poor Households in Bangladesh  
Dissertation Chair: C. Mullaly

Weijia Hou  
Major: Chemistry  
Dissertation: Aptamer-Functionalized Nanomaterials for Targeted Photodynamic Therapy  
Dissertation Chair: W. Tan

Lisa Angelina Howell  
Major: Anthropology  
Dissertation: Anthropology at the Confluence: Intersections of Science and Community in Rural Areas  
Dissertation Chair: B. H. Chalfin

Jianqiu Huang  
Major: Industrial and Systems Engineering  
Dissertation: Stochastic Optimization: Strong Formulations and Data-Driven Methodologies towards More Reliable Power Systems  
Dissertation Chair: Y. Guan

Yun Huang  
Major: Chemistry  
Minor: Statistics  
Dissertation: Functionalized Conjugated Polyelectrolytes for Biological Applications  
Dissertation Chair: K. S. Schanze

Ashley Hudson  
Major: Political Science  
Dissertation: The Democratizing Role of a Few Defiant Catholic Churches in Mexico’s 2000 Political Awakening  
Dissertation Chair: L. E. Anderson  
Dissertation Co-chair: K. D. Wald

Jin Hee Hur  
Major: Special Education  
Minor: Research and Evaluation Methodology  
Dissertation: Moderator Effects of Dual Language Learner Status on the Instructional Practices and Early Literacy Outcome Relationship  
Dissertation Chair: P. Snyder

Chueh-Lung Hwang  
Major: Health and Human Performance  
Dissertation: Vascular Effects of All-Extremity High-Intensity Interval Training versus Moderate-Intensity Continuous Training in Adults with Type 2 Diabetes  
Dissertation Chair: D. D. Christou

Hashem Izadi Moud  
Major: Design, Construction and Planning  
Dissertation: Measuring Stress Response in Construction Workers Approached by a Small Unmanned Aerial Vehicle  
Dissertation Chair: I. Flood  
Dissertation Co-chair: C. J. Kibert

Daniel E. Jackson  
Major: Physics  
Dissertation: Probing Phase Transitions Using High-Pressure and High Magnetic Field  
Dissertation Chair: J. J. Hamlin
Bochao Jia  
Major: Biostatistics  
Dissertation: Learning Graphical Models for Multiple Types of Biomedical Data  
Dissertation Chair: F. Liang

Xiao Jiang  
Major: Biomedical Engineering  
Dissertation: Development of Laminated Paper Based RNA Amplification Devices for Detection of Virus and Virus Aerosols  
Dissertation Chair: Z. H. Fan

Joseph John Thalakkottor  
Major: Mechanical Engineering  
Dissertation: Developing a Unified Velocity Boundary Condition for Fluid Flows  
Dissertation Chair: K. Mohseni

Tarielle M. Jones  
Major: Materials Science and Engineering  
Dissertation: Astrocytic Differentiation of Human Malignant Glioblastoma U87MG Cells Induced by Porous Poly[1,8-octanediol-co-citrate] WafersLoaded with All-Trans Retinoic Acid  
Dissertation Chair: A. R. Webb

Hayley Sara Kamin  
Major: Psychology  
Dissertation: "We Are Suffering as Mothers": Intergenerational Impacts of Maternal Stress and Depression in the Democratic Republic of Congo  
Dissertation Chair: D. Kertes

Orhan Kaplan  
Major: Curriculum and Instruction  
Dissertation: Analyzing the Effects of Motivation, Expectations, and Self-Concept on Eighth-Grade Students' Mathematics Achievement  
Dissertation Chair: T. L. Adams

Joanna Karavolias  
Major: Food and Resource Economics  
Dissertation: A Full Market Analysis of the Implications of Raising Broilers without Antibiotics  
Dissertation Chair: L. A. House

Elizabeth Diane Kenney  
Major: School Psychology  
Dissertation: Effects of a Scripted, Dialogic Reading Intervention on Young Children's Social and Emotional Learning  
Dissertation Chair: T. M. Smith-Bonahue

Ahmed Ezzeldin Khaled  
Major: Computer Engineering  
Dissertation: Architecture and Programming Model for the Social internet of Things  
Dissertation Chair: A. A. Helal

Vipada Khaowroongrueng  
Major: Pharmaceutical Sciences—Pharmacy  
Dissertation: Application of Large-Pore Microdialysis in Pharmacokinetic and Pharmacodynamic Investigation of Therapeutic Monoclonal Antibody  
Dissertation Chair: H. C. Derendorf

Matin Kheirkhahan  
Major: Computer Science  
Dissertation: Real-Time Data Monitoring and Machine Learning Methods for Activity Recognition Using Wearable Devices  
Dissertation Chair: S. Ranka  
Dissertation Co-chair: T. M. Manini

Daehwan Kim  
Major: Health and Human Performance  
Dissertation: Determinants and Outcomes of Flow Experience in Virtual Reality Spectatorship  
Dissertation Chair: Y. J. Ko

Dong-Soo Kim  
Major: Design, Construction and Planning  
Dissertation: Forecasting Environmental Impact Assessment of Residential Buildings in Florida under Future Climate Change  
Dissertation Chair: R. S. Srinivasan  
Dissertation Co-chair: A. R. Chini

Jae Yung Kim  
Major: Business Administration—Finance  
Dissertation: Essays in Financial Economics  
Dissertation Chair: J. R. Ritter

Jinhee Kim  
Major: Nutritional Sciences  
Dissertation: Role of Zinc and Metal Transporter SLC39A14 in Murine Skeletal Muscle during Inflammation  
Dissertation Chair: R. J. Cousins

Mi-Jung Kim  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: Mitochondrial DNA Deletions in Age-Related Hearing Loss in Mice  
Dissertation Chair: S. Someya

Sungwon Kim  
Major: Health and Human Performance  
Dissertation Chair: D. P. Connaughton

Yena Kim  
Major: Mathematics  
Dissertation: On the Principle of Host Evolution in Immuno-Epidemiological Models  
Dissertation Chair: M. Martcheva

Tia Ja’Net Kimball  
Major: Curriculum and Instruction  
Dissertation: The Role of Semiotics on ELLs’ Ability to Interpret Figurative Language while Watching American Television Series  
Dissertation Chair: M. R. Coady

Derrick D. King  
Major: English  
Dissertation: Forms of Crisis: Realism and Science Fiction in the Twenty-First Century  
Dissertation Chair: P. E. Wegner

Elizabeth Anne Klinepeter  
Major: School Psychology  
Dissertation: Experiences of Collaborative Service Delivery for Transition-Age Young Adults with ASD  
Dissertation Chair: T. M. Smith-Bonahue

Danielle N. Kling  
Major: Microbiology and Cell Science  
Dissertation: Lactobacillus johnsonii N6.2 and Phytophenols Modulate mTOR Activity Induced by Diet  
Dissertation Chair: C. F. Gonzalez

Sarah Margaret Knesler  
Major: English  
Dissertation: Longing and Belonging: Genre, Female Desire, and Family in Victorian Women’s Sensation Fiction  
Dissertation Chair: P. K. Gilbert

Anton Kocheturov  
Major: Industrial and Systems Engineering  
Dissertation: Novel Methods for Multivariate Time Series Analysis  
Dissertation Chair: P. M. Pardalos
Leah Julia Koehler  
Major: Psychology  
Dissertation: Exposure of Single-Function Responses to Combined Reinforcement Contingencies  
Dissertation Chair: B. A. Iwata

Kendra Noelle Daiss Krietsch  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Impact of Sleep Timing on Dietary Intake and Physical Activity among Youth: An Experimental Single-Subject Sleep Manipulation  
Dissertation Chair: D. Janicke

Magdoom Mohamed Kulam Najmudeen  
Major: Mechanical Engineering  
Dissertation: Developments in Magnetic Resonance Imaging with Applications to Transport in Brain  
Dissertation Chair: M. Sartminoranant  
Dissertation Co-chair: T. H. Mareci

Grit Kupgan  
Major: Materials Science and Engineering  
Dissertation: Designing and Characterizing Microporous Polymers for Carbon Capture  
Dissertation Chair: C. M. Colina

Jacob Adrian Lafo  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Emotion Perception and Reactivity in Essential Tremor  
Dissertation Chair: D. Bowers

Tiffany Chenese Lorraine Lang  
Major: Design, Construction and Planning  
Dissertation: Chrome Model for Historic Color Preservation: Authentic Layers of Culture, Color, Heritage  
Dissertation Chair: M. B. Portillo

Sarah Elizabeth LaRose  
Major: Agricultural Education and Communication  
Dissertation: Factors Influencing Postsecondary Educational and Occupational Choices of Connecticut Agricultural Science and Technology Program Graduates  
Dissertation Chair: A. C. Thoron  
Dissertation Co-chair: R. K. Barrick

Howard Andrew Lassiter  
Major: Forest Resources and Conservation  
Dissertation: Photogrammetry and Lidar from the Unmanned Aerial Platform for Measuring the Physical Structure of Forests  
Dissertation Chair: B. E. Wilkinson

Casey Riley Lawless  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Impact of Sleep in Children with Cystic Fibrosis  
Dissertation Chair: D. A. Fedele  
Dissertation Co-chair: D. Janicke

Sheldon R. Lawrence II  
Major: Plant Molecular and Cellular Biology  
Dissertation: Plant Stomatal Guard Cell Redox Proteome in Plant Innate Immunity  
Dissertation Chair: S. Chen

Katelyn Marie Lawson  
Major: Fisheries and Aquatic Sciences  
Dissertation: The Use of Life History Traits to Predict Invasion Success of Non-Native Fishes in Peninsular Florida  
Dissertation Chair: J. E. Hill

Camilo Ignacio Leal Molina  
Major: Music Education  
Dissertation: Music Teachers’ Perceptions of the Design and Use of Specialized Software Applications to Facilitate Music Composition Activities with Students  
Dissertation Chair: W. Bauer

Aleuna Lee  
Major: Linguistics  
Dissertation: Effects of Production on Predictive Processing in Young and Older Adults  
Dissertation Chair: E. Kaan

Mi Jung Lee  
Major: Rehabilitation Science  
Minor: Research and Evaluation Methodology  
Dissertation: Developing a Global PROMIS Self-Efficacy Measure for Managing Chronic Conditions  
Dissertation Chair: S. Romero

Yeungjeom Lee  
Major: Criminology, Law, and Society  
Dissertation: Psychopathy and Crime: Developmental Pathways of Psychopathic Traits and Situational Influences and Victimization  
Dissertation Chair: M. D. Krohn

Ruiqi Li  
Major: Food Science  
Dissertation: Mechanism and Protective Effects of Muscadine Grapes or Wine on Intestinal Inflammation using in vivo and in vitro Models  
Dissertation Chair: L. Gu

Xiang Li  
Major: Computer Engineering  
Dissertation: Mining in Online Social Networks: Optimization Models and Adaptive Solutions  
Dissertation Chair: M. T. Thai

Xiaolong Li  
Major: Computer Science  
Dissertation Chair: K. Bayer

Hua Liu  
Major: Environmental Engineering Sciences  
Dissertation: PM Separation and Re-Suspension Test of Hydrodynamic Unit Operations Modeling, Scaling and Regulations in Urban Drainage System  
Dissertation Chair: J. J. Sansalone

Jianqing Liu  
Major: Electrical and Computer Engineering  
Dissertation Chair: Y. Fang
Tao Liu  
Major: Forest Resources and Conservation  
Dissertation: Multi-View Analysis of Unmanned Aerial System Images for Land Cover Classification  
Dissertation Chair: A. H. Abd-Elrahman

Xiaoxian Liu  
Major: Botany  
Dissertation: Alternative Splicing in Basal Angiosperms and Tragopogon (Asteraceae)  
Dissertation Chair: D. E. Soltis  
Dissertation Co-chair: W. B. Barbazuk

Andrew L. Loyd  
Major: Forest Resources and Conservation  
Dissertation: Taxonomy, Biology, Decay Potential, and Pathogenicity of the Laccate (Varnished) Ganoderma Species Present in the U.S.  
Dissertation Chair: J. A. Smith  
Dissertation Co-chair: B. S. Richter

Nargiza Ludgate  
Major: Interdisciplinary Ecology  
Dissertation: Gender Roles in Household Water Resource Management in Water-Scarce Countries: Does Greywater Treatment Technology Empower Rural Women in Jordan?  
Dissertation Chair: S. L. Russo  
Dissertation Co-chair: T. Borisova

Danmeng Luo  
Major: Pharmaceutical Sciences—Medicinal Chemistry  
Dissertation: Discovery, Synthesis and Biological Evaluation of Bioactive Secondary Metabolites from Marine Cyanobacteria  
Dissertation Chair: H. Luesch

Michael Thomas Massengill  
Major: Medical Sciences—Genetics  
Dissertation: Development and Testing of Gene Therapies for Autosomal Dominant Retinitis Pigmentosa  
Dissertation Chair: A. S. Lewin

Marc A. Matthews  
Major: Linguistics  
Dissertation: The Roles of Intonation and Pragmatic Context on Predictions of Upcoming Turns in Dialogue  
Dissertation Chair: R. Wayland  
Dissertation Co-chair: J. R. Valdes Kroff

Matthew R. Mattia  
Major: Horticultural Sciences  
Dissertation: Genome-Wide Association Quantification and Willingness to Pay for Beneficial Polyphenols in Mandarins  
Dissertation Chair: F. G. Gmitter Jr.

Damaris Mayans Ramon  
Major: Romance Languages—Spanish  
Dissertation: The Processing of Gender Agreement in Monolingual and Heritage Speakers of Spanish  
Dissertation Chair: J. R. Valdes Kroff  
Dissertation Co-chair: A. de Prada Perez

Beth Lena-Sherman McGee  
Major: Design, Construction and Planning  
Dissertation: Designing Biophilia into Interior Environmental Practice: A Biophilic Design Assessment Tool Development  
Dissertation Chair: N. Park

Yash Ajit Mehta  
Major: Aerospace Engineering  
Dissertation: Fully Resolved Inviscid Simulations and Modeling of Shock Interacting with Spherical Particles  
Dissertation Chair: S. Balachandar

Johanna Mellis  
Major: History  
Dissertation Chair: A. Freifeld

Mary Morris Merrill  
Major: Public Health  
Dissertation Chair: S. M. Wisely

Sadaf Arefi Nilani  
Major: Epidemiology  
Dissertation: Improving Screening for Mild Cognitive Impairment and Dementia among Racial and Ethnic Minorities Using the Montreal Cognitive Assessment  
Dissertation Chair: C. L. Striley

Wenli Mo  
Major: Astronomy  
Dissertation: Active Galactic Nuclei in Massive and Distant Galaxy Clusters  
Dissertation Chair: A. H. Gonzalez
Roshanak Mohammadivojdan
Major: Industrial and Systems Engineering
Dissertation: Optimization Models for Inventory Planning in Supply Chains with Supplier Selection and Channel Allocation Decisions
Dissertation Chair: J. P. Geunes

Siti Jariani Binti Mohd Jani
Major: Soil and Water Sciences
Dissertation: Composition, Sources, and Bioavailability of Nitrogen in Urban Waters
Dissertation Chair: G. Toor
Dissertation Co-chair: J. P. Koester

Rene Arnoldo Molina
Major: Electrical and Computer Engineering
Dissertation: Responsive Deep Brain Stimulation for the Treatment of Medically Refractory Freezing of Gait in Parkinson's Disease
Dissertation Chair: A. Gunduz

Christina M. Moloney
Major: Medical Sciences—Neuroscience
Dissertation: Dissecting the Role of Matrin 3 in Amyotrophic Lateral Sclerosis and Distal Myopathy
Dissertation Chair: J. M. Lewis

Ryan J. Montes
Major: Chemical Engineering
Dissertation: Microfluidic Concentration and Purification of DNA Due to Electro-Hydrodynamic Migration
Dissertation Chair: J. E. Butler
Dissertation Co-chair: A. J. Ladd

Jennifer F. Moore
Major: Wildlife Ecology and Conservation
Dissertation: Ecology and Conservation of Mammalian Communities and the Impact of Illegal Human Activities in Nyungwe National Park, Rwanda
Dissertation Chair: W. E. Pine III

Tara Ann Morrissette
Major: Counseling Psychology
Dissertation: Associations of Stress, Coping, and Social Support with Health-Related Quality of Life among U.S. Adults
Dissertation Chair: C. M. Tucker

Paul Eugene Morse
Major: Anthropology
Dissertation Chair: J. I. Bloch

Shylock Muyengwa
Major: Interdisciplinary Ecology
Dissertation: Elite Capture of Community-Based Natural Resources Management Projects in Southern Africa
Dissertation Chair: B. A. Child

Anita Seen Neal
Major: Entomology and Nematology
Dissertation: Distribution, Biology, and Management of Myllocerus undecimpustulatus undatus Marshall (Coleoptera: Curculionidae) in the Landscape and Horticulture Industry
Dissertation Chair: R. D. Cave

Tempestt Ja’Nice Neal
Major: Computer Engineering
Dissertation: A Feasibility Study of Mobile Device Usage Data for Identification and Soft Biometric Classification
Dissertation Chair: D. Woodard

Sean Russell Niemi
Major: Mechanical Engineering
Dissertation: Frictional Instabilities in Gemini Hydrogel Contacts
Dissertation Chair: W. G. Sawyer
Dissertation Co-chair: E. Taylor

Bijan Nili
Major: Mechanical Engineering
Dissertation: Multi-Field Simulation of the Spark Plasma Sintering for Fabrication of Commercial Nuclear Fuel Pellets
Dissertation Chair: G. Subhash

WeiJia Niu
Major: Chemistry
Dissertation: Design and Synthesis of N-Heterocyclic Carbene-Gold (I) Complexes, and Their Bioconjugation for Targeted Drug Delivery
Dissertation Chair: A. S. Veige

Olivier Nsengiyumva
Major: Chemistry
Dissertation: Polysilicon Acetals and Camphor-Derived Polymers as Potential Replacements for Commodity Plastics
Dissertation Chair: S. A. Miller

Steven Tyler Oberheim
Major: Counseling and Counselor Education
Dissertation: Content Development and Initial Psychometric Analysis of the Problematic Hypersexuality Scale (PHS)
Dissertation Chair: M. K. DePue
Dissertation Co-chair: A. C. Manley

Edmond A. Olguin
Major: Medical Sciences—Medical Physics
Dissertation: Pediatric Dosimetry Tools for Diagnostic Imaging and Proton Therapy Applications
Dissertation Chair: W. E. Bolch

Toluwani Christy Oloke
Major: Mass Communication
Dissertation: Developing Cultural Sensitivity in Framing Health Advocacy Messages: The Female Genital Mutilation Intervention in Nigeria
Dissertation Chair: L. L. Hon

Samantha R. Paige
Major: Health and Human Performance
Dissertation: Pedagogical Tools for Improving Health Literacy
Dissertation Chair: A. C. Manley

Lei Pan
Major: Microbiology and Cell Science
Dissertation: Development of a Novel Bioassay for the Detection of PrP from Liberibacter asiaticus
Dissertation Chair: G. L. Lorca

Joshua R. Papacek
Major: Soil and Water Sciences
Dissertation: Subtropical Estuary
Dissertation Chair: P. W. Inglett

Kyoung Shin Park
Major: Health and Human Performance
Dissertation: Novel Biomarkers and Implications for Health in People with Parkinson's Disease
Dissertation Chair: C. M. Janelle
Aditi G. Patel
Major: Medical Sciences—Health Outcomes and Policy
Dissertation: Investigating Network Adequacy Standards for Provider Networks in Medicaid Managed Care
Dissertation Chair: E. A. Shenkman
Dissertation Co-chair: W. B. Vogel

Andres Alfredo Pech Cervantes Sr.
Major: Animal Sciences
Dissertation: Use of Expansins and Fibrolytic Enzymes to Improve Fiber Digestion in Ruminant Feeds
Dissertation Chair: A. T. Adesogan
Dissertation Co-chair: D. Vyas

Ze Peng
Major: Agronomy
Dissertation: The Genetic and Genomic Studies of Nodulation in Cultivated Peanut Arachis hypogaea
Dissertation Chair: J. Wang

Daniela-Cristina Popescu
Major: Health Services Research
Dissertation: Factors Associated with Child and Maternal Mortality in the Middle East and North Africa (MENA) Region: A Panel Study
Dissertation Chair: R. P. Duncan

Ravin Poudel
Major: Plant Pathology
Dissertation: Statistical and Experimental Investigations to Support Microbiome Based Agriculture: A Study of the Tomato Rhizobiome
Dissertation Chair: K. A. Garrett

Debra A. Prykanowski
Major: Special Education
Dissertation: An Examination of Traill-Based Functional Analysis with Intervention in the Home for Young Children with or at Risk for Autism Spectrum Disorder
Dissertation Chair: M. A. Conroy
Dissertation Co-chair: B. Reichow

Yuxi Qiu
Major: Research and Evaluation Methodology
Dissertation: Posterior Predictive Model Checking to Evaluate the Performance of Dynamic Bayesian Networks
Dissertation Chair: A. C. Manley

Tiphanie E. Raffegeau
Major: Health and Human Performance
Dissertation: The Role of Cognition in Locomotor Balance across the Lifespan
Dissertation Chair: C. J. Hass

Fahim Rahman
Major: Electrical and Computer Engineering
Dissertation: Secure Hardware: From Device to Systems
Dissertation Chair: M. M. Tehranipoor
Dissertation Co-chair: Y. Jin

Akshay Umesh Rajopadhye
Major: Materials Science and Engineering
Dissertation: Understanding the Fundamental Role of Surfactant Structures in the Inhibition of Carbon Steel Corrosion in Acidic Medium
Dissertation Chair: B. M. Moudgil

Mohammad Abdur Razzaq
Major: Entomology and Nematology
Dissertation: Development of an Integrated Approach for Managing Melon Thrips, Thrips palmi Karny (Thysanoptera: Thripidae) in Vegetable Crops
Dissertation Chair: D. R. Seal

Byron Real
Major: Anthropology
Dissertation: The Wretched of the Forest: Social Vulnerability, Disaster, and Genocide among the Uncontacted
Dissertation Chair: A. R. Oliver Smith

Michelle E. Reid
Major: Chemistry
Dissertation: Stable Isotope Tracer Analysis of Exhaustive Exercise-Induced Metabolism Using Ultra-High Performance Liquid Chromatography—High Resolution Mass Spectrometry
Dissertation Chair: R. A. Yost

YooJung Rhee
Major: Health and Human Performance
Dissertation: Senior Bicyclists’ Knowledge, Attitudes, and Behaviors regarding Bicycle Safety and Relevant Laws
Dissertation Chair: D. P. Connaughton

Natalie Marie Khoury Ridgwell
Major: Curriculum and Instruction
Dissertation: Is it the Right “Fit”? Florida Teachers’ Motivations for Choosing a Teaching Career Using the Fit-Choice Scale
Dissertation Chair: A. J. Adams

Lisa M. Roberts
Major: Health and Human Performance
Dissertation: Age-Related Differences in Speed vs. Accuracy during Bimanual Movements
Dissertation Chair: J. H. Cauraugh

Daniel Martin Ross
Major: Mechanical Engineering
Dissertation: Polishing of Transparent Polycrystalline YAG Ceramics Using Magnetic Field-Assisted Finishing
Dissertation Chair: H. Greenslet

Cristina Ruiz-Poveda Vera
Major: English
Dissertation: The Ineffable in Contemporary Ibero-American Cinema: Memory, Death, and Spiritual Journeys
Dissertation Chair: B. C. Mennel

Shabnam Rumpf-Monadizadeh
Major: Design, Construction and Planning
Dissertation: An Assessment of Mitigation Measures to Minimize the Exposure of Extremely Low Frequency Electromagnetic Fields (ELF-EMF) on Building Occupants
Dissertation Chair: C. J. Kibert

Taylor K. Ruth
Major: Agricultural Education and Communication
Dissertation: A Grounded Theory Approach to Understanding the Factors Influencing Tenure-Track, UF/IFAS Faculty’s Engagement in Science Communication
Dissertation Chair: J. N. Rumble

Shilpa Sahay
Major: Curriculum and Instruction
Dissertation: Investigating Teachers’ Perspectives toward ICT Integration in Classrooms in India
Dissertation Chair: K. M. Dawson

Catherine Ann Sahi
Major: Materials Science and Engineering
Dissertation: The Role of Integral Mean Curvature in Grain Growth Using Simulations and Experiments
Dissertation Chair: B. R. Patterson

Brittani Danyelle Sahm
Major: Mass Communication
Dissertation Chair: S. M. Chan-Olmsted
Morgan Violeta Sanchez  
Major: Sociology  
Dissertation: Sick and Tired: Narratives of Chronic Fatigue Syndrome in Blogs  
Dissertation Chair: C. L. Shehan

Maria Angelica Sanclemente  
Major: Plant Molecular and Cellular Biology  
Dissertation: Sugar Modulation of Low-Oxygen Responses in Maize: Gene Networks and Roles for Nucleoside Diphosphate Kinases (NDPKs)  
Dissertation Chair: K. E. Koch

Manish Sapkota  
Major: Electrical and Computer Engineering  
Dissertation: High Throughput Biomedical Image Analysis and Imaging Informatics for Computer-Aided Diagnosis  
Dissertation Chair: L. Yang

Jose Ramon Saucedo Carabez  
Major: Plant Pathology  
Dissertation: Fungal Associates of Known and Putative Vectors of Laurel Wilt and Nutritional Aspects of the Laurel Wilt Pathogen Raffaelea lauricola  
Dissertation Chair: R. C. Ploetz

Nathan R. Sauder  
Major: Mechanical Engineering  
Dissertation: Predicting Optimal Fast Functional Electrical Stimulation Patterns for Post-Stroke Gait Neurorehabilitation  
Dissertation Chair: B. J. Fregly

Anna Patricia Schrack  
Major: School Psychology  
Dissertation: The Relationship between Comorbid Anxiety and Depression, Cognitive Functioning, and Academic Achievement among Inpatient Adolescents  
Dissertation Chair: D. J. Beaulieu

Christopher Michael Scocco  
Major: Entomology and Nematology  
Dissertation: Genetic Investigation of the Invasive Ghost Ant, Tapinoma melanocephalum (F.)  
Dissertation Chair: B. W. Bahder  

Talia R. Seider  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Seeng Brain: An FMRI Study of Age-Related Changes in Visual Perception and Discrimination  
Dissertation Chair: V. M. Dotson  
Dissertation Co-chair: R. A. Cohen

Jacquelyn Caryn Serfecz  
Major: Medical Sciences—Genetics  
Dissertation: The Impact of Eukaryotic DExD/H Box Helicases on Kaposi’s Sarcoma-Associated Herpesvirus and Regulation of Human Peripheral Myelin Protein 22 by miR29a in Charcot-Marie-Tooth Disease Type 1A  
Dissertation Chair: R. F. Renne

Julie Teresa Shapiro  
Major: Interdisciplinary Ecology  
Dissertation: Bats in a Changing World: Where They Go, What They Bring, and How They Impact People  
Dissertation Chair: R. A. McCleery

Bungo Shiotani  
Major: Aerospace Engineering  
Dissertation: Project Life-Cycle and Implementation for a Class of Small Satellites  
Dissertation Chair: N. G. Fitz-Coy

Vanessa Simoes Dias De Castro  
Major: Entomology and Nematology  
Dissertation: Condition-Dependent Expression of Sexual Traits Based on Enzymatic Antioxidants in the Caribbean Fruit Fly, Anastrepha suspensa  
Dissertation Chair: D. A. Hahn

Sirinrat Sithajan  
Major: Astronomy  
Dissertation: Dharma Planet Survey of FGKM Dwarfs: Survey Preparation and Early Science Results  
Dissertation Chair: J. Ge

James Kennon Smith  
Major: Medical Sciences—Biochemistry and Molecular Biology  
Dissertation: Stealth Vectors: Engineering Host Immune Response Escape AAV Vectors  
Dissertation Chair: M. Agbandje-Mckenna

Justin S. Smith  
Major: Chemistry  
Dissertation: Transferable and Extensible Deep Learning-Based Molecular Potentials  
Dissertation Chair: A. E. Rotberg

Ummat Sultan Somjee  
Major: Interdisciplinary Ecology  
Dissertation Chair: C. W. Miller

Mingcong Song  
Major: Electrical and Computer Engineering  
Dissertation: Enabling Efficient Computer Architectures and Systems for Next-Generation AI Applications  
Dissertation Chair: T. Li

Zhuoyuan Song  
Major: Mechanical Engineering  
Dissertation: Cooperative Control and Navigation of Autonomous Vehicles in Harsh Environments  
Dissertation Chair: K. Mohseni

Pallavi Sood  
Major: Rehabilitation Science  
Dissertation: Developing Tailored Functional Status Measures across Continuum of Care  
Dissertation Chair: S. Romero

James J. Sorce  
Major: Design, Construction and Planning  
Dissertation: Design and Synthesis of Nonconventional π-Conjugated Building Blocks for Structure-Property Analysis  
Dissertation Chair: R. K. Castellano

Ania Sotuyo  
Major: Chemistry  
Dissertation: Design and Synthesis of Nonconventional π-Conjugated Building Blocks for Structure-Property Analysis  
Dissertation Chair: R. K. Castellano

Saman Souri  
Major: Agricultural and Biological Engineering  
Dissertation: Possibility of Root Heat Treatment, Modification, and Performance of a Hot Water Injection System to Treat HLB in Citrus  
Dissertation Chair: J. K. Schueler

Olivia Rose Soutullo  
Major: School Psychology  
Dissertation: School Psychology Interns’ Experiences Facilitating Family-School Partnerships with Culturally and Linguistically Diverse Families  
Dissertation Chair: T. M. Smith-Bonahue
Prashanth Sridharan  
Major: Mechanical Engineering  
Dissertation: Shock-Particle Interaction Using Diffuse Interface Methods  
Dissertation Chair: S. Balachandar  
Dissertation Co-chair: T. L. Jackson

Daken Jay Starkenburg  
Major: Materials Science and Engineering  
Dissertation: Molecular Engineering and Device Application of Organic Photodiodes for Radiation Detection and Solar Energy Conversion  
Dissertation Chair: J. Xue

Bethany A. Stennett  
Major: Psychology  
Dissertation: The Effects of Simultaneous Cocaine and Alcohol Self-Administration on Striatal Glutamate  
Dissertation Chair: L. Knackstedt

Cameron Scott Stewart  
Major: Mechanical Engineering  
Dissertation: Soft Sphere Simulations of a Planar Multiphase Shockwave Passing through a Bed of Particles  
Dissertation Chair: S. Balachandar

Kimberly Denise Stewart  
Major: Chemistry  
Dissertation: Engineering Molecular Recognition Elements for Prostate Cancer Theranostics  
Dissertation Chair: W. Tan

Amanda Elizabeth Stone  
Major: Health and Human Performance  
Dissertation: Sensory and Cognitive Contributions to Performance in Anterior Cruciate Ligament Reconstructed Individuals  
Dissertation Chair: C. J. Hass

Kevin Harrington Strang  
Major: Medical Sciences—Neuroscience  
Dissertation: Aggregation and Prion-Like Seeding of Tau Protein Variants: Implications for Transmission  
Dissertation Chair: B. I. Giasson  
Dissertation Co-chair: T. E. Golde

Sarah E. Stromberg  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Impact of Pre-Surgical Dietary and Psychosocial Factors on Post-Surgical Percent Excess Weight Loss in a Population of Bariatric Surgery Patients  
Dissertation Chair: D. Janicke

Rebecca Lynn Stubbs  
Major: Botany  
Dissertation: The Past, Present, and Future of Micranthes (Saxifragaceae), A Clade of Alpine and Arctic Flowering Plants  
Dissertation Chair: N. Cellinese  
Dissertation Co-chair: D. E. Soltis

Yi-Wen Su  
Major: Counseling and Counselor Education  
Dissertation: Addressing Attention Problems through Mindfulness: The Effectiveness of a School Counseling Group Intervention  
Dissertation Chair: J. M. Swank

Kalaivari Sundararajan  
Major: Computer Engineering  
Dissertation: Analysis of Stylistometry as a Cognitive Biometric Trait  
Dissertation Chair: D. Woodard

Hojun Sung  
Major: Health and Human Performance  
Minor: Statistics  
Dissertation: Professional Sports Syndicates and Fan Demand: The Single-Entity Case of Major League Soccer  
Dissertation Chair: B. M. Mills

Sarah M. Szymkowicz  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Age-Related Mechanisms of Emotion Anticipation and Perception  
Dissertation Chair: V. M. Dotson  
Dissertation Co-chair: D. Bowers

Jin Tao  
Major: Statistics  
Dissertation: Statistical Framework for Power Theft Activities Detection and Power Usage Prediction in the Smart Grid Network  
Dissertation Chair: G. Michalidis

Junyi Tao  
Major: Animal Sciences  
Dissertation: Unveiling Substrate Preference of Uncultured Rumen Bacteria  
Dissertation Chair: T. J. Hackmann

Alexander H. Tepperman  
Major: History  
Dissertation: Strange Bedfellows: Convict Culture in the First Era of Mass Imprisonment, 1919-1940  
Dissertation Chair: J. S. Adler

Matthew J. Terza  
Major: Health and Human Performance  
Dissertation: Changing the Way We Change the Way We Walk: Adaptation and Transfer of Complex Locomotor Tasks  
Dissertation Chair: C. J. Hass

Selena Tinga  
Major: Veterinary Medical Sciences  
Dissertation: In-vivo Femorotibial Kinematics in Dogs with Cranial Cruciate Ligament Insufficiency before and after Surgical Stabilization  
Dissertation Chair: S. E. Kim

Elisa Maria Todarello  
Major: Physics  
Dissertation: Quantum Effects in Axion Dark Matter  
Dissertation Chair: P. Sikivie

Stavros A. Triantafyllidis  
Major: Health and Human Performance  
Dissertation: Sense of Place and Pro-Environmental Behavior in Beach Volleyball  
Dissertation Chair: K. Kaplanidou

Rosamaria Tricarico  
Major: Biomedical Engineering  
Dissertation: Computational Modeling of the Aortic Arch following Complex Endovascular Repair  
Dissertation Chair: S. A. Berceli

Robert M. Turick  
Major: Health and Human Performance  
Dissertation: Persistence in the Face of Career Obstacles: The Coaching Experiences of African American College Football Coaches  
Dissertation Chair: T. Bopp

Jillian Lee Vella  
Major: Counseling and Counselor Education  
Dissertation: Exploring Alternatives to the Medical Model of Mental Health Care  
Dissertation Chair: M. K. DePue
Michael F. Vincent  
Major: Music  
Dissertation: Boccherini’s Chamber Music in Cosmopolitan Europe  
Dissertation Chair: M. R. Butler

Maria Vrachioli  
Major: Food and Resource Economics  
Dissertation: Agricultural Water Use, Efficiency, and Its Contribution to Total Factor Productivity  
Dissertation Chair: S. E. Stefanou

Ahmed Mohammed Ahmed Wahba  
Major: Food and Resource Economics  
Dissertation: Econometric Modeling of World Market Integration and Price, Volatility, and Information Transmissions of World Meat Exports, Multibudgeting Approach of Egyptian Import Demand, and the Impacts of Trade Liberalization under the Economic Reform Program on Food Security Indicators in Egypt  
Dissertation Chair: J. L. Seale Jr.  
Dissertation Co-chair: J. J. VanSickle

Jacquelyn Mary Walejko  
Major: Medical Sciences—Biochemistry and Molecular Biology  
Dissertation: Global Metabolomics of Complications in Pregnancy  
Dissertation Chair: A. S. Edison  
Dissertation Co-chair: M. Keller Wood

Angela Walther  
Major: English  
Dissertation: The Scientific Muse and Political Discontent in Working-Class Chartist Poetry  
Dissertation Chair: P. K. Gilbert

Shuo Wan  
Major: Chemistry  
Dissertation: Functionalization of Exosomes with Aptamer for Bio-applications  
Dissertation Chair: W. Tan

Stephenson Waters  
Major: Mass Communication  
Dissertation: Gatekeeping, Ethics, and Trust: Analyzing the Journalist/Whistleblower Relationship as Social Exchange  
Dissertation Chair: N. P. Lewis

Robert K. Weinmann-Smith  
Major: Nuclear Engineering Sciences  
Dissertation: Monte Carlo Simulations of Neutron Multiplicity Counting for International Nuclear Safeguards  
Dissertation Chair: P. Enqvist

Zachary N. Weinrich  
Major: Materials Science and Engineering  
Dissertation: Dopant-Defect Interactions in Epitaxially Grown Highly Doped Si P  
Dissertation Chair: K. S. Jones

Natalie Catherine Weldon  
Major: Counseling Psychology  
Dissertation: Effects of Job on Interpersonal Attraction  
Dissertation Chair: M. Heesacker

Robert Houston Wells II  
Major: Mass Communication  
Dissertation: The Effects of Game Frames on Motivation and Learning in an Educational Game  
Dissertation Chair: D. M. These

Jason Brandon Wenzel  
Major: Anthropology  
Dissertation: Staging Tourism: Leisure through Consumption in Florida’s Early-Twentieth-Century Resorts  
Dissertation Chair: J. M. Davidson

Erin B. White  
Major: Environmental Engineering Sciences  
Dissertation: Contaminant Fluxes through Heterogeneous Transport Pathways in Fractured Rock and Karst  
Dissertation Chair: M. D. Annable

Travis James Whitley  
Major: Mechanical Engineering  
Dissertation: The Adaption of Small Unmanned Air System for Urban Structure Inspections  
Dissertation Chair: P. G. Ifju

Robert J. Winsler III  
Major: Mass Communication  
Dissertation: Building a Firebrand: Controversial Sports Commentators Cultivating an Audience  
Dissertation Chair: M. Keller Wood

Guillermo Manuel Wippold  
Major: Counseling Psychology  
Dissertation: Perceived Socioeconomic Status, Stress, Resilience, and Health-Related Quality of Life among Urban Adults  
Dissertation Chair: C. M. Tucker

Thomas W. Wojciechowski  
Major: Sociology  
Dissertation: The Development of Violence and Substance Use among Juvenile Offenders: The Roles of PTSD and PTSD-Linked Strain Sensitivity  
Dissertation Chair: C. W. Peek

Emily Ann Dobmeyer Woodruff  
Major: Zoology  
Dissertation: Developmental Patterning of the Mammalian Dentition and Evolution of the Diastema in Mammals  
Dissertation Chair: J. I. Bloch  
Dissertation Co-chair: M. J. Cohn

Mariannette Octovina Wospakrik  
Major: Physics  
Dissertation Chair: H. Ray

Sheng-Yen Wu  
Major: Soil and Water Sciences  
Dissertation: Mutualism between Entomopathogenic Nematodes and a Saprophytic Fungus  
Dissertation Chair: J. H. Graham Jr.  
Dissertation Co-chair: L. W. Duncan

Qinwen Xia  
Major: Environmental Engineering Sciences  
Dissertation: Contaminant Fluxes through Heterogeneous Transport Pathways in Fractured Rock and Karst  
Dissertation Chair: M. D. Annable

Wei Xia  
Major: Statistics  
Dissertation: Scalable Hyperparameter Selection for Latent Dirichlet Allocation  
Dissertation Chair: Y. Huang

Yuanpu Xie  
Major: Biomedical Engineering  
Dissertation: Large Scale Pathology Image Analysis with Deep Learning  
Dissertation Chair: L. Yang

Ruitong Xiong  
Major: Mechanical Engineering  
Dissertation: Laser-Based Bioprinting of Cellular Constructs and Applications for Organ-On-A-Chip Device Fabrication  
Dissertation Chair: Y. Huang
Bidyananda Yadav  
Major: Civil Engineering  
Dissertation: Direct Stream Hydrograph Prediction from Digital Elevation Model  
Dissertation Chair: K. Hatfield

Ibrahim Yahaya Ibrahim  
Major: Political Science  
Dissertation: Political Contestation and Islamic Discourses in the Sahel: Protests, Riots, and Jihadist Insurgencies in Mali, Mauritania, and Niger  
Dissertation Chair: L. A. Villalon

Yupeng Yan  
Major: Computer Science  
Dissertation Chair: A. Ranganathan  
Dissertation Co-chair: S. Ranka

Guan Yang  
Major: Animal Molecular and Cellular Biology  
Dissertation: Phenotype, Function, and Contribution to Viral Immunity of Porcine Invariant Natural Killer T Cells  
Dissertation Chair: J. P. Driver

Shunchang Yang  
Major: Agricultural and Biological Engineering  
Minor: Environmental Engineering Sciences  
Dissertation Chair: P. C. Pullammanappallil

Wencui Yang  
Major: Design, Construction and Planning  
Dissertation: Assessing the Overall Social Equity of Transit Access to Jobs: A Case Study in Orlando Urban Area, Florida  
Dissertation Chair: R. L. Steiner

Yichao Yu  
Major: Pharmaceutical Sciences—Pharmacy  
Dissertation: Dose Optimization of Anti-Infective Agents Using Pharmacokinetic/Pharmacodynamic Modeling and Simulation  
Dissertation Chair: H. C. Derendorf

Brian A. Zaboski II  
Major: School Psychology  
Dissertation: Group Exposure and Response Prevention for College Students with Social Anxiety: A Randomized Clinical Trial  
Dissertation Chair: D. J. Beaulieu

Han Zhang  
Major: Astronomy  
Dissertation: Mid-Infrared Polarimetry: Insights into Magnetic Fields and Dust Grain Properties in Young Stellar Objects and Protoplanetary Disks  
Dissertation Chair: C. M. Telesco

Huiling Zhang  
Major: Computer Science  
Dissertation: Misinformation Detection and Containment in Online Social Networks  
Dissertation Chair: M. T. Thai

Yiqing Zhu  
Major: Linguistics  
Minor: Statistics  
Dissertation: Processing Intonation: Categoricality and the Effects of Cognitive Control  
Dissertation Chair: R. Wayland  
Dissertation Co-chair: J. R. Valdes Kroff

Shaojun Zhang  
Major: Statistics  
Dissertation: Structural Discovery in Temporal Networks and Simultaneous Dimension Reduction for Multiple Datasets  
Dissertation Chair: G. Michailidis

Tianduo Zhang  
Major: Mass Communication  
Dissertation: State Owned Media in Hashtag Discussion Exploring State Owned Media Agenda Building Strategy on Twitter  
Dissertation Chair: S. K. Kiousis

Yingxiu Zhang  
Major: Agricultural and Biological Engineering  
Dissertation: Cultivation, Growth Optimization and Modeling of a Saline Cyanobacterium Species BSG0011 for Production of Biofuels and Bioproducts  
Dissertation Chair: P. C. Pullammanappallil  
Dissertation Co-chair: S. A. Svoronos

Hui Zhao  
Major: Electrical and Computer Engineering  
Dissertation: A Cascade H-Bridge with Selective Harmonic Elimination/Compensation: Algorithm, Modulation, and Parameter Design  
Dissertation Chair: S. Wang

Kezhuo Zhou  
Major: Industrial and Systems Engineering  
Dissertation: Polynomial-Time Algorithms, Extended Formulations and Distributional Robust Stochastic Optimization Approaches for Unit Commitment Problems  
Dissertation Chair: Y. Guan

Jun Zhang  
Major: Design, Construction and Planning  
Dissertation: Collecting Real-Time Human Behavior Data during Fire Emergency Evacuation: A BIM-Driven Immersive Game Approach  
Dissertation Chair: R. R. Issa
**Doctor of Education**

**Meridith Zepp Bergeron**  
Major: Curriculum and Instruction  
Dissertation: Exploring Faculty Members’ Concerns with Online Teaching and the Support Needed to Address Concerns  
Dissertation Chair: S. Kumar

**Jazmin M. Cuencas Caton**  
Major: Higher Education Administration  
Dissertation: They Already Have So Many Labels: Defining Homelessness in the Context of Higher Education  
Dissertation Chair: J. C. Ortagus

**Jonathan David Frankel**  
Major: Curriculum and Instruction  
Dissertation: EFL Teacher Perceptions of a Blended Teacher Professional Development Workshop in Mexico  
Dissertation Chair: S. Kumar

**Zane Talal Hasan**  
Major: Curriculum and Instruction  
Minor: Higher Education Administration  
Dissertation: The Multiple Identities of Second Generation Palestinian American Muslim Female Adolescents  
Dissertation Chair: E. J. De Jong

**Leena Hasbini**  
Major: Educational Leadership  
Dissertation: The Impact of Standardized Testing on High-Achieving Students Postsecondary Acceptance Outcomes  
Dissertation Chair: L. B. Eldridge

**Christine M. Lloyd**  
Major: Higher Education Administration  
Dissertation: An Exploration of Strategic Human Resources in Higher Education: Are We There Yet?  
Dissertation Chair: D. F. Campbell

**Tuuli Robinson**  
Major: Curriculum and Instruction  
Dissertation Chair: K. M. Dawson

**Kendall Erin St. Hilaire**  
Major: Higher Education Administration  
Dissertation: A Quantitative Case Study of the Influence of Online Course Load on Academic Success  
Dissertation Chair: J. C. Ortagus

**Virginia L. Stewart Miller**  
Major: Higher Education Administration  
Dissertation: A Case Study of Campus IT’s Role in Adoption of Technology at a Private University  
Dissertation Chair: D. F. Campbell

**Stephanie Nicole Wall**  
Major: Educational Leadership  
Dissertation: Virtually Successful: A Comparative Analysis of At-Risk Student Performance in Online Coursework in a Selected School District  
Dissertation Chair: L. B. Eldridge  
Dissertation Co-chair: C. H. Redding

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**Doctor of Business Administration**

**Timothy J. Halloran**  
Susan A. Henderson  
Marko Radoslav Jovic  
Richard D. Kuernter III  
Dissertation Chair: S. Kumar

**Doctor of Juridical Sciences in Taxation**

Faisal Misfer Al-Hababi  
Debora S. Correa

---

**Doctor of Plant Medicine**

Wael Mohamed Elwakil

---

**Doctor of Audiology**

Madeleine Jennifer Ritchie  
Rufina Atienza Sanvictores

---

**Doctor of Nursing Practice**

Angelia C. Estrella  
Jessy D. Hart  
Caitlin J. Powers  
Christopher Wade Schreier  
Lisa A. Wisemen

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**The Fredric G. Levin College of Law**

**Dean Laura A. Rosenbury**

---

**The College of Nursing**

**Dean Anna M. McDaniel**

---

**The College of Pharmacy**

**Dean Julie A. Johnson**

---

**Doctor of Pharmacy**

Amy J ohnelli Kocurek Perry  
Lynn Pettitt  
Anthony Lau  
A.T. Phan-Tang  
Jung Soon Lee  
Iman Ahmad Ramadan  
Theresa M. Mahoney  
Ramya Ranganathan  
Theresa K. McCarthy  
Maria Lourdes Rivera  
Kim Rachelle McCurry  
Nancy J. Samuel  
Pamela Jean Miranda  
Archananya Shrivastova  
Lekha Negi  
Pik Ling Yeung  
Kenny Yat Ng  
Heejung Yoon  
Jennifer A. Zwerink  
Oliver E. Niwoonja
What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence
UF is consistently ranked among the nation’s top universities: No. 9 in U.S. News & World Report “Top Public Universities” (2018); No. 12 in the Wall Street Journal/Times Higher Education list of Best Public Colleges (2017); No. 3 on the Forbes’ list of Best Value Public Universities (2017); No. 1 on Value Colleges’ list of Top 50 Best Value Colleges (2016); and No. 1 on the Times Higher Education list of best public universities for employers to find new hires.

Faculty
• UF has nearly 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the National Academy of Medicine or the American Academy of Arts and Sciences.
• Awards include two Pulitzer Prizes, NASA’s top award for research, and the Smithsonian Institution’s conservation award.

Students
• Ninety-seven percent of incoming freshmen score above the national average (1500/21) on standardized exams. Students admitted for the fall 2018 freshman class had an average 4.45 GPA and an average SAT score of 1370.
• The freshman retention rate of 96 percent is among the highest in the country.
• UF awards more professional degrees to African American, Hispanic and other minority students than any other public university in the Association of American Universities (2014-15).
• Sixty-seven percent of UF full-time freshmen graduate in four years (2011-12 cohort), and 87 percent of UF freshmen graduate within six years (2009-10 cohort).
• Fifty-seven percent of UF graduates leave the university with no student-loan debt. For the remaining students, their average indebtedness is about $21,603, as compared with the national average of more than $30,000 (2015-16).

Chain of Office
This custom-made ornament is worn with the president’s regalia, symbolizing the authority and responsibilities of the office. The chain is engraved with the names and service years of the university presidents. The medallion’s centerpiece is a 1.3-carat diamond.

Academic Mace
Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university’s sesquicentennial celebration in 2003. The 70-inch staff features an alligator sitting atop a globe. The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university’s chief marshal, who leads all academic processions, carries the mace.

Diplomas
Diplomas will be mailed to the graduate’s permanent home mailing address in September 2018.
Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty at today's commencement ceremonies evolved from a style of dress worn by members of guilds and religious orders in medieval times. The academic gown is worn by individuals who have earned a degree in higher education. In addition, hoods are worn by graduate degree candidates, but not by undergraduate degree candidates.

At the University of Florida, the lining of the hood has a blue chevron on an orange background to represent the university colors. University faculty members who hold degrees from another college or university wear the colors of their alma mater.

The velvet edging on the academic hood is the color that represents the particular degree held by the wearer. Agricultural and Life Sciences and Forest Resources and Conservation share maize edging; Design, Construction and Planning and Building Construction are blue violet; Audiology degrees have colonial blue edging; Business Administration and Accounting are drab; Dentistry is lilac; Education is light blue; Engineering degrees are represented by orange edging; Fine Arts degrees have brown edging; Health and Human Performance is sage green; Journalism and Communications is garnet; Law is purple; Liberal Arts is white and Liberal Sciences is gold yellow; Medicine is green; Music is pink; Natural Resources and Environment is antique gold; Nursing is apricot; Doctor of Pharmacy is olive; Philosophy is royal blue; Public Health degrees have salmon pink edging; Rehabilitation Counseling degrees have Nile green edging; and Veterinary Medicine is gray.

Distinctions among sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master's degree. A round, open sleeve identifies a doctoral degree.

The doctoral regalia also has velvet running on the rest of the gown, including cross bars on the sleeve. Colored tassels on the degree candidates' caps indicate a candidate's school or college.
Alma Mater

*Florida, our Alma Mater*
*Thy glorious name we praise*
*All thy loyal sons and daughters*
*A joyous song shall raise.*
*Where palm and pine are blowing,*
*Where southern seas are flowing,*
*Shine forth thy noble Gothic walls,*
*Thy lovely vine-clad halls.*
*Neath the Orange and Blue victorious*
*Our love shall never fail.*
*There’s no other name so glorious—*
*All hail, Florida, Hail!*

Milton Yeats