

# Commencement

**UF** | UNIVERSITY of  
FLORIDA

## **SOCIAL MEDIA**

Whether you are a #UFGrad or are celebrating a #UFGrad, we invite you to join the commencement conversation on social media. Select tweets will be featured on the video boards prior to 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 or lineup area. Photographs of the graduates as they cross the stage are available through the company contracted with the university. Proofs will be sent to the graduates within 10 days of the ceremony.

Contact information: University Photography. 205-391-9500. [Questions@universitygradphoto.com](mailto:Questions@universitygradphoto.com)

## **COMMENCEMENT PROGRAM**

While supplies last, additional copies of this commencement program are available 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.

A downloadable PDF can be found online at <https://commencement.ufl.edu/past-programs/>

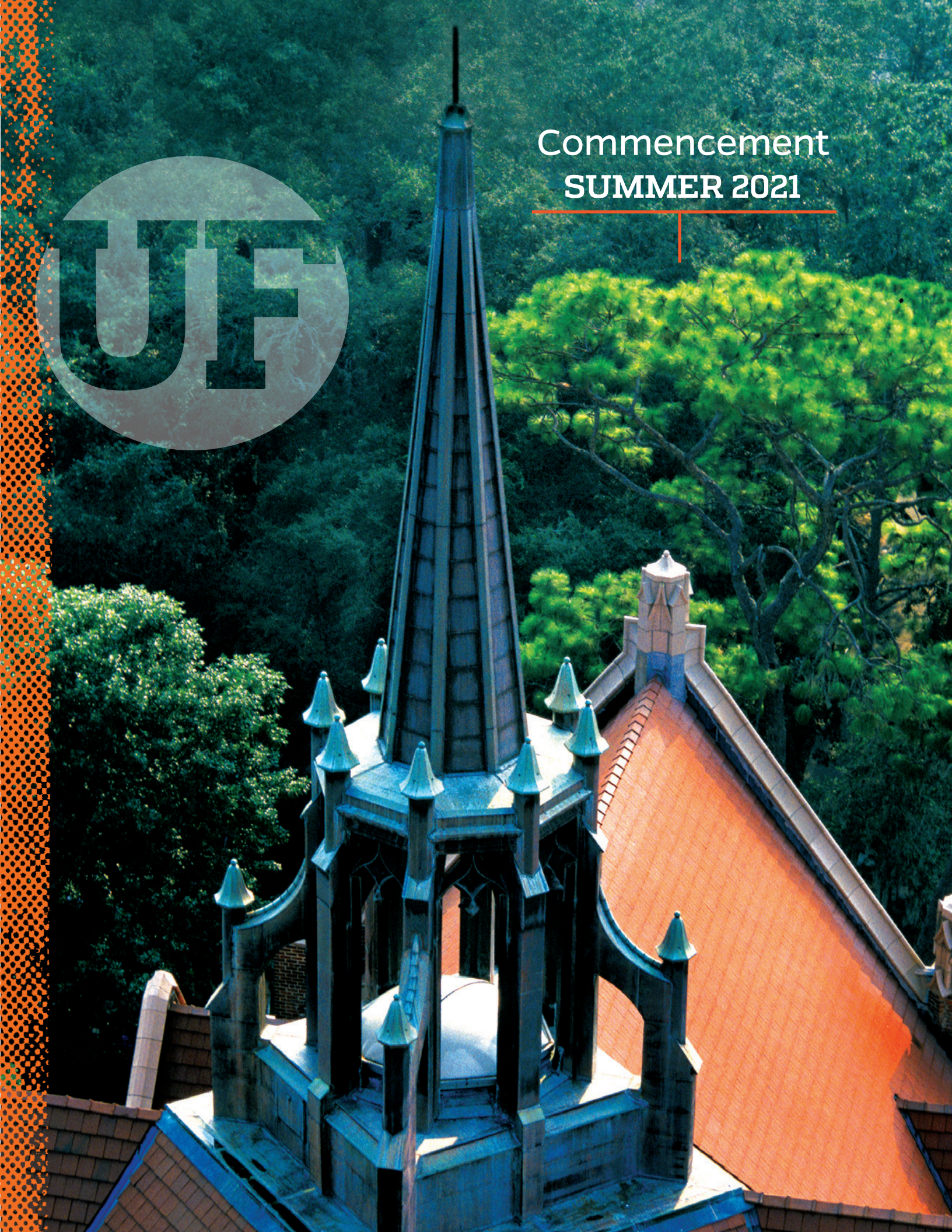
## **THIS IS NOT AN OFFICIAL GRADUATION LIST**

While every effort is made to ensure accuracy in this commencement program, printing deadlines may result in omission of some names or use of names of some 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.



Commencement  
**SUMMER 2021**

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# Greetings from the President

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**O**n 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 the historic year of 2021.

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 — and for bringing these efforts to completion while overcoming the hardships of a historic pandemic. I join you in thanking your faculty advisors, 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 of 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, analysis skills and resilience 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. You are a unique class, and though we know your experience has been different, we hope that you will look back on it with fondness and appreciation, and that you will remain connected to UF as active members of our distinguished alumni.

Best wishes, and Go Gators!



W. Kent Fuchs



## University of Florida President

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### 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 on leadership, the university has since 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 number one university for comprehensive excellence. UF is working toward those goals through 600 new faculty positions, the addition of advanced and beautiful university facilities, a nearly complete \$3 billion fundraising campaign and a university-wide artificial intelligence initiative.

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 Institution 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 also holds a Bachelor of Science in Engineering from Duke University.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian. 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

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## State Board of Education

**Richard Corcoran**

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*Vice Chair*

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## Florida Board of Governors

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*Commissioner of Education*

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**Edward Haddock**

**H. Wayne Huizenga, Jr.**

**Nastassia Janvier**

**Ken Jones**

**Darlene L. Jordan**

**Alan M. Levine**

**Charles H. Lydecker**

**Steven M. Scott**

**Eric Silagy**

**Kent Stermon**

## University of Florida Board of Trustees

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**Rahul Patel**

**Marsha D. Powers**

**Fred S. Ridley**

**Anita G. Zucker**

## President and Vice Presidents of the University

**W. Kent Fuchs, Ph.D.**

*President*

**Joseph Glover, Ph.D.**

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**Chris Cowen, M.B.A.**

*Senior Vice President and Chief Financial Officer*

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*Senior Vice President and Chief Operating Officer - Administration*

**David R. Nelson, M.D.**

*Senior Vice President - Health Affairs*

**J. Scott Angle, Ph.D.**

*Vice President - Agriculture and Natural Resources*

**Elias G. Eldayrie, M.B.A.**

*Vice President and Chief Information Officer - Information Technology*

**Jodi Gentry, M.A.**

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*Vice President - Government and Community Relations*

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*Vice President - Advancement*

**D’Andra Mull, Ph.D.**

*Vice President - Student Affairs*

**David Norton, Ph.D.**

*Vice President - Research*

**Mary G. Parker, Ed.D.**

*Associate Provost and Vice President - Enrollment Management*

**Nancy Paton, M.S.**

*Vice President - Strategic Communications and Marketing*

**Curtis Reynolds, M.B.A., M.S.E.E.**

*Vice President - Business Affairs*

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## Deans of the University

**R. Elaine Turner, Ph.D.**

*College of Agricultural and Life Sciences*

**Onye P. Ozuzu, M.F.A.**

*College of the Arts*

**Sabyasachi Mitra, Ph.D.**

*Warrington College of Business*

**A. Isabel Garcia, D.D.S., M.P.H.**

*College of Dentistry*

**Chimay Anumba, Ph.D.**

*College of Design, Construction and Planning*

**Glenn E. Good, Ph.D.**

*College of Education*

**Cammy R. Abernathy, Ph.D.**

*Herbert Wertheim College of Engineering*

**Nicole L.P. Stedman, Ph.D.**

*The Graduate School*

**Michael Reid, Ph.D.**

*College of Health and Human Performance*

**Thomas A. Obreza, Ph.D.**

*Interim, IFAS Extension*

**Robert Gilbert, Ph.D.**

*IFAS Research*

**Leonardo Villalón, Ph.D.**

*International Center*

**Hubert Brown, M.A.**

*College of Journalism and Communications*

**Laura A. Rosenbury, J.D.**

*Fredric G. Levin College of Law*

**David E. Richardson, Ph.D.**

*College of Liberal Arts and Sciences*

**Colleen Koch, M.D., M.S., M.B.A.**

*College of Medicine*

**Anna M. McDaniel, Ph.D., R.N.**

*College of Nursing*

**Julie A. Johnson, Pharm.D.**

*College of Pharmacy*

**Michael G. Perri, Ph.D.**

*College of Public Health and Health Professions*

**Dana Zimmel, D.V.M.**

*College of Veterinary Medicine*

**Judith C. Russell, M.S.**

*University Libraries*

**Heather White, Ph.D.**

*Dean of Students*

## COMMENCEMENT AGENDA – FRIDAY, AUGUST 6, 2:00 P.M.

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Presiding	W. Kent Fuchs <i>President</i>
Processional	
National Anthem	Vocalist: Anthony Offerle Faculty Brass Quintet: Paul Basler, Ben Elgan, Randy Lee, Jemie Robertson, Danielle VanTuinen
Welcome	W. Kent Fuchs
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Commencement Address	Jamie Ellis <i>Gahan Endowed Professor of Entomology</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	W. Kent Fuchs
Recognition of Graduates	
Closing Remarks	W. Kent Fuchs
Alma Mater	Anthony Offerle Faculty Brass Quintet
Recessional and Postlude	



# Commencement Speaker

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## **Dr. Jamie Ellis**

*Gahan Endowed Professor of Entomology*

Dr. Jamie Ellis is the Gahan Endowed Professor of Entomology in the Entomology and Nematology Department at the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS). Jamie is an internationally recognized expert on honey bee biology and management. He received a B.S. degree in biology from the University of Georgia and a Ph.D. in entomology from Rhodes University in South Africa.

Jamie's appointment at UF/IFAS includes a three-way academic split between extension, research and teaching responsibilities. To satisfy this appointment, Jamie directs the Honey Bee Research and Extension Laboratory (HBREL). The mission of the HBREL is to advance understanding of honey bees in Florida, the United States and globally, with the goal of improving the health and productivity of honey bee colonies everywhere. Jamie addresses this goal by conducting basic and applied research with managed and wild honey bees, communicating his findings to assorted clientele groups through diverse extension programming, and training future generations of bee educators, researchers, conservationists, and more.

Jamie is among the most sought-after lecturers on beekeeping topics globally. Regarding his extension work, Jamie created the UF/IFAS Bee College and the UF/IFAS Master Beekeeper Program. As an instructor, Jamie supervises doctoral and masters students, and has contributed to the development of five courses on beekeeping at UF. Currently, Jamie and his team have more than 30 active research projects in the disciplines of honey bee husbandry, conservation and ecology, and integrated crop pollination.



Jamie has received many state, regional and national awards for his work with honey bees. These include the National and Southern Region Excellence in Extension Awards (American Association for Public Land Grant Universities), Roger Hoopingarner Award (American Beekeeping Federation), Roger E. Morse Award for Teaching/Extension (Eastern Apicultural Society), Ed and Elaine Holcombe Distinguished Speaker Award (Eastern Apicultural Society), Research Foundation Professor (University of Florida), Superior Accomplishment Award (University of Florida), Outstanding Specialist (Florida Association of Agricultural Agents) and Entomologist of the Year (Florida Entomological Society).

Jamie is also a bi-vocational youth minister at Mt. Pleasant Baptist Church in High Springs, Fla., where he lives with his wife, Dr. Amanda Ellis, and their four children.

# GRADUATE SCHOOL

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NICOLE L.P. STEDMAN, PH.D., ASSOCIATE PROVOST AND DEAN OF THE GRADUATE SCHOOL

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## DOCTOR OF PHILOSOPHY

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### **Daniel N. Acton**

Major: *Criminology, Law, and Society*

Dissertation: Sibling Influences: Delinquency and Victimization

Dissertation Chair: C. L. Gibson

### **Georgios Adosoglou**

Major: *Industrial and Systems Engineering*

Dissertation: Neural Network Embedding Methods for Mining Corporate Report Data

Dissertation Chair: P. M. Pardalos

### **Utkarsh Ahuja**

Major: *Mechanical Engineering*

Dissertation: Next Generation Electrodes for Li-ion and Na-ion Batteries

Dissertation Chair: K. E. Aifantis

### **Anfal Fares Alaibani**

Major: *Civil Engineering*

Dissertation: Durability Evaluation of Impounded Class C Fly Ash as a Supplementary Cementitious Materials

Dissertation Chair: K. A. Riding

### **Majed Albadi**

Major: *Rehabilitation Science*

Dissertation: The Relationship between Neurocognition and Lateral Ankle Sprain

Dissertation Chair: M. Horodyski

### **Rawan Aldhabi**

Major: *Rehabilitation Science*

Dissertation: The Effect of Hip Abductor Muscles' Strength on Balance and Gait following Total Knee Arthroplasty

Dissertation Chair: M. Horodyski

### **Brendon Connor Allen**

Major: *Mechanical Engineering*

Dissertation: Characterization and Compensation of the Electromechanical Delay during FES-Cycling

Dissertation Chair: W. E. Dixon

### **Quinton M. Allen**

Major: *Horticultural Sciences*

Dissertation: Metabolic Engineering of the Astaxanthin Biosynthetic Pathway in Citrus

Dissertation Chair: J. X. Chaparro

Dissertation Co-chair: B. Rathinasabapathi

### **Aishat Oluwaseun Aloba**

Major: *Human-Centered Computing*

Dissertation: Tailoring Motion Recognition Systems to Children's Motions

Dissertation Chair: L. Anthony

### **Mohammed Abdulaziz Alrugaibah**

Major: *Food Science*

Dissertation: Natural Deep Eutectic Solvents as Green Media to Extract Phenolic Compounds from Agricultural By-Products

Dissertation Chair: L. Gu



**Boris Miguel Arevalo**

Major: *Wildlife Ecology and Conservation*

Dissertation: Nesting Ecology and Habitat Selection of Scarlet Macaws (*Ara macao cyanoptera*) in Belize

Dissertation Chair: E. C. Hellgren

**Seth Kojo Mbra Assan**

Major: *Higher Education Administration*

Dissertation: Impact of Institutional No-Loan Policy on Student Time Use and Engagements

Dissertation Chair: J. C. Ortagus

**Eric W. Atkinson**

Major: *Medical Sciences—Neuroscience*

Dissertation: Histological, Electrophysiological, and Electrochemical Analysis of the Tissue-Engineered Electronic Nerve Interface (TEENI)

Dissertation Chair: K. Otto

**Benjamin Y. Avuwadah**

Major: *Food and Resource Economics*

Dissertation: Three Essays on Conflicts: Conflict Management Policies and Household Welfare

Dissertation Chair: J. D. Kropp

Dissertation Co-chair: C. Mullally

**Farnaz Babaie Sarijaloo**

Major: *Industrial and Systems Engineering*

Dissertation: Developing Patient-Centric Learning Models for Improving Early Identification and Intervention for Acute-Care Patients

Dissertation Chair: P. M. Pardalos

Dissertation Co-chair: X. Zhong

**Brittany A. Bailey**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Exploring Parental Attention-Deficit/Hyperactivity Disorder Symptomology, Executive Dysfunction, and Stress as Barriers to Engagement in Parent-Child Interaction Therapy

Dissertation Chair: S. C. Heaton

Dissertation Co-chair: M. M. Nelson

**Darshan Bamney**

Major: *Materials Science and Engineering*

Dissertation: Towards Physically Representative Dislocation Dynamics Models for Polycrystalline Plasticity

Dissertation Chair: D. Spearot

**Amineh Baniani**

Major: *Chemical Engineering*

Dissertation: Fundamental Transport Studies in Novel Porous Media for Industrial Applications by NMR Diffusometry

Dissertation Chair: S. Vasenkov

**Anil Babu Baniya**

Major: *Entomology and Nematology*

Dissertation: Genomics and Microbial Associates of Entomopathogenic Nematodes Uncover Complexity in Biological Control

Dissertation Chair: P. DiGennaro

**Beverly Kay Barnett**

Major: *Fisheries and Aquatic Sciences*

Dissertation: Inferring Aspects of Northern Gulf of Mexico Reef Fish Ecology via Radiocarbon Analysis of Fish Otoliths and Tissues

Dissertation Chair: W. F. Patterson, III

**Molly Christine Basch**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Using Virtual Human Technology to Determine the Influence of Weight Status on Pediatric Care and Deliver Real-Time Feedback About Discrepancies in Medical Student Decision-Making

Dissertation Chair: D. Janicke

**Allegra Argent Beal Cohen**

Major: *Agricultural and Biological Engineering*

Dissertation: Intra-Scale Modeling of Agricultural Systems

Dissertation Chair: G. A. Kiker

**Peyton Nicole Beattie**

Major: *Agricultural Education and Communication*

Dissertation: Examining Extension Agents' Adoption of Instructional and Communication Technologies: Training Development and Testing of a Digital Field Experience

Dissertation Chair: J. L. Loizzo

**Kalyca Lynn Becktel**

Major: *Mass Communication*

Dissertation: Including Relationship Valence and Closeness through Brand-Public Relationships on Social Media

Dissertation Chair: M. F. Weigold

**Catherine Elaine Belisle**

Major: *Horticultural Sciences*

Dissertation: Accelerated Shelf-Life Testing as a Tool to Assess Postharvest Quality and Methods to Reduce Pink Rib Disorder in Lettuce

Dissertation Chair: S. A. Sargent

Dissertation Co-chair: G. V. Sandoya Miranda

**Shahrzad Bodaghi**

Major: *Horticultural Sciences*

Dissertation: Deciphering Citrus Rootstock Effects and Consequences for HLB Disease Development

Dissertation Chair: U. Albrecht

**Jyothi Swaroop Bommidi**

Major: *Agricultural Education and Communication*

Dissertation: Understanding Capacities of Community Resilience

Dissertation Chair: S. Galindo

**Ulbert J. Botero**

Major: *Electrical and Computer Engineering*

Dissertation: Automated Reverse Engineering of X-Ray Computed Tomography Imaged PCBs

Dissertation Chair: D. J. Forte

**Amanda Sams Bradshaw**

Major: *Mass Communication*

Dissertation: Our Ultimate Hope or Something Sinister: Social Media Advertisements, Digital Discourse with Physicians, and Maternal Source Credibility Perceptions of Pro-Vaccine Messages during a Global Pandemic

Dissertation Chair: D. M. Treise

**Ryan G. Brazeal**

Major: *Forest Resources and Conservation*

Dissertation: Development of an Open-Source Mobile Mapping System for Unoccupied Aerial Systems

Dissertation Chair: B. E. Wilkinson

**Christopher Richard Brewer**

Major: *Chemistry*

Dissertation: Ruthenium Precursors for Photoassisted Chemical Vapor Deposition and Focused Electron Beam Induced Deposition

Dissertation Chair: L. A. McElwee-White

**Sarah Elizabeth Brewer**

Major: *Horticultural Sciences*

Dissertation: Evaluation, Improvement, and Biotechnology Resource Development in the Tropical Fruit *Carica papaya* L.

Dissertation Chair: A. H. Chambers

**Nevin Brian Brosius**

Major: *Chemical Engineering*

Dissertation: Resonance in Microgravity Transport Processes: Measurement of Surface Tension and Heat Transfer Enhancement

Dissertation Chair: R. Narayanan

**André Bueno Gama**

Major: *Plant Pathology*

Dissertation: Improving *Colletotrichum acutatum* Management: From Dispersal to Predicting Disease Outcomes in Citrus and Strawberry

Dissertation Chair: M. M. Dewdney

Dissertation Co-chair: N. A. Peres Lauretti

**Rachal Denice Burton**

Major: *English*

Dissertation: The Afterlife of Slavery in the Work of Toni Morrison

Dissertation Chair: D. W. King

**Maria del Pilar Buteler**

Major: *Chemistry*

Dissertation: Elucidating Allosteric Regulation in Human Ribonucleotide Reductase Using Computational Tools

Dissertation Chair: A. E. Roitberg

**Marcos Vinicius Caiafa Sepulveda**

Major: *Plant Pathology*

Dissertation: Fungal Diversity, Ecology, and Evolution: From Mutualism to Parasitism

Dissertation Chair: M. E. Smith

**Brandon M. Califar**

Major: *Genetics and Genomics*

Dissertation: Skewed Perceptions: Altering the Spaceflight and Terrestrial Stress Responses of *Arabidopsis thaliana*

Dissertation Chair: R. J. Ferl

Dissertation Co-chair: A. Paul

**Stephanie M. Calo**

Major: *Linguistics*

Dissertation: Improving the Pronunciation of English Language Learners

Dissertation Chair: G. E. Lord-Ward

**Chase Fernando Camarotti**

Major: *Mechanical Engineering*

Dissertation: Liquid Acquisition Device Cryogenic Bubble Point Experiments in Liquid Nitrogen and Transient Screen Compliance Modeling

Dissertation Chair: J. N. Chung

**Neil J. Cammardella**

Major: *Electrical and Computer Engineering*

Dissertation: Creating Virtual Energy Storage Through Optimal Allocation and Control of Flexible Power Consumption

Dissertation Chair: S. P. Meyn

**Jessica Teale Campbell**

Major: *Psychology*

Dissertation: *You Should Smile More*: The Effect of Self- and Other-Focus on Women's Benevolent and Hostile Sexist Attitudes and Willingness to Intervene in Sexist Situations

Dissertation Chair: K. Ratliff

**Jessica Casimir-Vadeboncoeur**

Major: *Sociology*

Dissertation: The Synchronicity of Chronic Illness and Caregiving: An Ethnographic Exploration of Grandmother Caregivers in the Valley of a 1000 Hills, South Africa

Dissertation Chair: B. A. Zsembik



**Brittney A. Castanheira**

Major: *Curriculum and Instruction*

Dissertation: Learning to Coach the Teaching of Mathematics: Insights from a Community of Practice of Elementary Supervisors

Dissertation Chair: E. Bondy

**Stephanie L. Cerner**

Major: *Biomedical Engineering*

Dissertation: Wearable Sensor-Driven Responsive Deep Brain Stimulation for the Improved Treatment of Essential Tremor

Dissertation Chair: A. Gunduz

**Ana Caroline Cerqueira de Melo Vasco**

Major: *Animal Sciences*

Minor: *Agronomy*

Dissertation: Rhizoma Peanut as an Alternative to Mitigate Environmental Impacts in Horse Operations

Dissertation Chair: C. L. Wickens

**Alban Hugo Rene Charlier**

Major: *Chemistry*

Dissertation: Magnetic Resonance Spectroscopic Analysis of Polypeptides: From Unimers to Self-Assemblies

Dissertation Chair: D. A. Savin

**Lakshmi Manasa Sakuntala Chekka**

Major: *Pharmaceutical Sciences*

Dissertation: Personalizing Thiazide Therapy through Clinical and MicroRNA Biomarkers of Response to Thiazides

Dissertation Chair: J. A. Johnson

**Guanming Chen**

Major: *Medical Sciences—Health Outcomes and Policy*

Dissertation: Disparities in Health Outcomes following Metabolic Bariatric Surgery: Evidence from the OneFlorida Clinical Research Consortium

Dissertation Chair: M. J. Gurka

**Tse-Yu Chen**

Major: *Entomology and Nematology*

Dissertation: The Role of Autophagy in Dengue Virus Infection in *Aedes aegypti*

Dissertation Chair: C. T. Smartt

**Arunima Chhikara**

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Three Essays on the Interface of Information Systems, Operations Management and Marketing Interface

Dissertation Chair: A. J. Vakharia

**Kwansun Cho**

Major: *Electrical and Computer Engineering*

Minor: *Communication Sciences and Disorders*

Dissertation: Foreign Accent Assessment in Second-Language Vowels

Dissertation Chair: J. G. Harris

**Jennifer L. Clark**

Major: *Agricultural and Biological Engineering*

Dissertation: Factors Differentiating Small Scale Farm Operators' Reliance on Risk Planning Information Using a Signal Detection Approach to Planning Decisions under Uncertainty

Dissertation Chair: W. A. Porter

**Natalie May Claunch**

Major: *Interdisciplinary Ecology*

Dissertation: Physiological Legacies of Reptile Invasions

Dissertation Chair: C. M. Romagosa

Dissertation Co-chair: R. N. Reed

**Ashley D. Clemons**

Major: *English*

Dissertation: Constructing the *Un/Native Migrant*: An Afrofuturist Approach to Black Women's Writing about Abandoned Spaces, Displacement, and Migration

Dissertation Chair: M. A. Reid

**Everette W. Coffman Jr.**

Major: *Counseling and Counselor Education*

Dissertation: Developing Attachment Security: A Grounded Theory Study

Dissertation Chair: J. Swank

Dissertation Co-chair: H. B. Bayne

**Monique S. Cohn**

Major: *School Psychology*

Dissertation: Examining Pre-Service Teachers' Sense of Self-Efficacy in Engaging with Diverse Families

Dissertation Chair: T. M. Smith-Bonahue

**Conrad R. Cole**

Major: *Mechanical Engineering*

Dissertation: Thermodynamic Analysis of Oxygen Vacancy Formation Reaction in Nonstoichiometric Oxides for Solar Thermochemical Energy Conversion and Storage

Dissertation Chair: D. W. Hahn

Dissertation Co-chair: C. Taylor

**Jeremy Steven Coleman**

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Design and Synthesis of Didehydro-Cortistatin A Analogs as Novel Tat Inhibitors for the Potential Treatment of HIV

Dissertation Chair: J. V. Aldrich

**Frank L. Conic III**

Major: *Higher Education Administration*

Dissertation: Analysis of the Impact of SB 1720 on Gateway Math Courses

Dissertation Chair: D. A. Kramer

**Valentina Contesse**

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Performance Feedback to Increase Preservice Teachers' Use of Evidence-Based Practices during a Reading Intervention Practicum

Dissertation Chair: H. B. Lane

**Danielle Laine Cooke**

Major: *Psychology*

Dissertation: Depression and Obsessive-Compulsive Symptoms: The Impact of a Perinatal Mental Health Clinic on Psychopathology

Dissertation Chair: J. P. McNamara

Dissertation Co-chair: D. Janicke

**Jason Crider**

Major: *English*

Dissertation: Prosthetic Rhetoric: Writing and the Networked Body

Dissertation Chair: S. I. Dobrin

**Samuel Joesph Crowley**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Cognitive Phenotypes in Parkinson's Disease: Neurophysiological Correlates and Predictors of Cognitive Decline

Dissertation Chair: C. E. Price

### **Wesley Cuadrado-Castillo**

Major: *Materials Science and Engineering*

Dissertation: Dynamic Strain Aging, Static Recrystallization, and Texture Evolution of Dilute Magnesium-Calcium and Magnesium-Calcium-Zinc Alloys

Dissertation Chair: M. V. Manuel

### **Danielle Love Cucchiara**

Major: *Public Health*

Dissertation: The Protective Effect of Zinc on Cadmium Toxicity in *Daphnia magna* at the Molecular Level: An Examination of Mechanisms

Dissertation Chair: C. D. Vulpe

### **Erick Rodrigo da Silva Santos**

Major: *Agronomy*

Dissertation: Grazing Cover Crops: Alternatives to Improve Sustainability and Row Crop Productivity in North Florida

Dissertation Chair: J. C. Dubeux, Jr.

Dissertation Co-chair: L. E. Sollenberger

### **Rachel Elisabeth Damiani**

Major: *Mass Communication*

Dissertation: Exploring the Perceived Communication Challenges and Strategies of Scientists when Interacting with Nonexperts

Dissertation Chair: J. Raup-Krieger

### **Elly B. Daniels**

Major: *Chemistry*

Dissertation: Molecular Approach to Ultra-Small Nanoparticles of Heterometallic Heavy-Metal Manganese Oxides

Dissertation Chair: G. Christou

### **Maite De María Mulet**

Major: *Veterinary Medical Sciences*

Dissertation: Glyphosate Exposure and Its Immune Consequences in Florida Manatees

Dissertation Chair: N. D. Denslow

Dissertation Co-chair: M. T. Walsh

### **Flavia de Oliveira Scarpino van Cleef**

Major: *Agronomy*

Dissertation: The Role of Condensed Tannins on Forage Quality and Greenhouse Gases Emission by Ruminants

Dissertation Chair: J. C. Dubeux, Jr.

### **Adrian Perez Del Monte**

Major: *Design, Construction and Planning*

Dissertation: Perceptions of Acculturation and Vernacular Design on Residential Buildings in the Philippines

Dissertation Chair: N. Park

### **Alexander G. Demidov**

Major: *Chemistry*

Dissertation: Investigation and Characterization of Models of Microporous Polymers Driven by Software Development

Dissertation Chair: C. M. Colina

### **Lance Thomas Denes**

Major: *Medical Sciences—Genetics*

Dissertation: Mechanisms of RNA Transport in Skeletal Muscle

Dissertation Chair: E. T. Wang

### **Nicholas M. DiCola**

Major: *Medical Sciences—Neuroscience*

Dissertation: Functional Changes in the Aged Rat Hippocampus During Offline and Online Periods

Dissertation Chair: A. P. Maurer

Dissertation Co-chair: S. N. Burke



**Atul Kumar Divakarla**

Major: *Physics*

Dissertation: Memory Effects in the Era of Gravitational-Wave Astronomy

Dissertation Chair: B. F. Whiting

**Moses R. Divaker**

Major: *Aerospace Engineering*

Dissertation: Equivalent Wing Numerical Lifting Line Theory for Predicting Rotor Performance and Rotor-Rotor Interference

Dissertation Chair: P. G. Ifju

Dissertation Co-chair: S. Roy

**Alexa Rey Dixon**

Major: *School Psychology*

Dissertation: Students with Chronic Health Conditions: Teacher Knowledge, Confidence, and Special Education Provisions

Dissertation Chair: D. J. Beaulieu

**Taylor Margaret Domenick**

Major: *Chemistry*

Dissertation: Development of Ion Mobility-Mass Spectrometric Methods to Enhance Coverage of the Cellular Metabolome

Dissertation Chair: R. A. Yost

**Chenxing Dong**

Major: *Astronomy*

Dissertation: Extreme Galaxies and Extreme Cosmology

Dissertation Chair: A. H. Gonzalez

**Jiaqi Dong**

Major: *Materials Science and Engineering*

Dissertation: From Batch to Flow: An Experimental Study of Precision Gold Nanoparticle Synthesis Using Wet Chemistry

Dissertation Chair: B. M. Moudgil

**Tianna Irene Dowie-Chin**

Major: *Curriculum and Instruction*

Dissertation: My Child's First Teacher: Utilizing Black Mothers' Counter-Narratives to Reimagine Black Schooling

Dissertation Chair: C. L. Busey

Dissertation Co-chair: E. Bondy

**Xiaochen Du**

Major: *Curriculum and Instruction*

Dissertation: English-speaking Students' Learning Experiences in a Chinese/English Dual Language Immersion Program: A Multiple-case Study

Dissertation Chair: D. Fu

**Yong Du**

Major: *Chemistry*

Dissertation: Parahydrogen Enhanced NMR of Gases and Liquids by Heterogeneous Catalysis

Dissertation Chair: C. R. Bowers

**Yu Du**

Major: *Criminology, Law, and Society*

Dissertation: Examining and Specifying the Effect of Neuroscientific Evidence on Jurors' Perceptions and Decision Making

Dissertation Chair: L. M. Levett

**Lisa G. Duffy**

Major: *Anthropology*

Dissertation: Using Residue Analysis to Explore Ancient Maya Recipes and Food-Processing Technology

Dissertation Chair: K. F. Emery

**Leanne Dumeny**

Major: *Genetics and Genomics*

Dissertation: Clinical and Genetic Predictors of Aldosterone Receptor Antagonist Response in Patients with Heart Failure

Dissertation Chair: L. H. Cavallari

Dissertation Co-chair: J. D. Duarte

**Nyema Terianya Eades**

Major: *Nursing Sciences*

Dissertation: Feasibility of an Online Reproductive Health Intervention for Young Adults with Sickle Cell Disease or Sickle Cell Trait

Dissertation Chair: V. M. Johnson-Mallard

**Assil El Zein**

Major: *Nutritional Sciences*

Dissertation: Evaluating College Student Food Insecurity and Promoting Food Assistance Use: A Mixed-Methods Approach

Dissertation Chair: A. Mathews

**Abdelrahman Hamdy Eid Elsayed**

Major: *Pharmaceutical Sciences*

Dissertation: Pharmacogenomic and Transcriptomic Approaches for Guiding Treatment Options in Pediatric Acute Myeloid Leukemia (AML)

Dissertation Chair: J. K. Lamba

**Megan Danielle Engel**

Major: *Nutritional Sciences*

Dissertation: Addressing Food-related Barriers to Improve Diet Quality and Health Behaviors of College Students

Dissertation Chair: A. Mathews

**Michael T. Engen**

Major: *Mathematics*

Dissertation: Universal Combinatorial Structures

Dissertation Chair: V. Vatter

**Joshua Matthew Epstein**

Major: *Forest Resources and Conservation*

Dissertation: Hydrologic Redundancy and Biodiversity Support across Contrasting Coastal Plain Wetlandscapes

Dissertation Chair: M. J. Cohen

Dissertation Co-chair: B. H. Baiser

**Eliab Estrada Cortés**

Major: *Animal Molecular and Cellular Biology*

Dissertation: Programming of Postnatal Phenotype by Actions of Maternally Derived Regulatory Molecules on the Preimplantation Bovine Embryo

Dissertation Chair: P. J. Hansen

**Yang Fang**

Major: *Horticultural Sciences*

Dissertation: Evaluating Containerized Production and Root System Architecture in Southern Highbush Blueberry

Dissertation Chair: P. R. Munoz

**Chaker Fares**

Major: *Chemical Engineering*

Dissertation: Fabrication and Characterization of Ga<sub>2</sub>O<sub>3</sub> Based Materials and Protective Coatings for Biomedical Applications

Dissertation Chair: F. Ren

**Asmaa M. Fatani**

Major: *Nutritional Sciences*

Dissertation: Dietary Supplementation for Improvement of Gastrointestinal Symptoms and Quality of Life in Individuals with Kidney Failure

Dissertation Chair: W. J. Dahl

**Robert J. Ferguson**

Major: *Mathematics*

Dissertation: Notes on Lettericity

Dissertation Chair: V. Vatter

**Nathalie Fernandez**

Major: *Psychology*

Dissertation: Evaluating Token Arrangements Commonly Used in Applied Settings

Dissertation Chair: I. G. DeLeon

**Marina Ferreira Fonseca Sessim**

Major: *Materials Science and Engineering*

Dissertation: Multiphysics Mesoscale Modeling of Ablative Thermal Protection System Materials

Dissertation Chair: M. Tonks

**Meredith Patricia Flaherty**

Major: *Health and Human Performance*

Dissertation: Trained to Be Sexist: Operationalizing Institutional Logics as Rules, Truths, and Bullsh\*t in the Co-Construction of Gendered Discourse in Sport

Dissertation Chair: M. Sagas

**Megan Justine Fowler**

Major: *English*

Dissertation: Buried Gays and Cut Scenes: Trauma and Censorship in 21<sup>st</sup> Century Queer Media and Fandom

Dissertation Chair: A. M. Ulanowicz

**Brett Ryan Freidkes**

Major: *Mechanical Engineering*

Dissertation: The Design and Characterization of a MEMS-Based Dual-Axis Wall Shear Stress Sensor

Dissertation Chair: M. Sheplak

**Meiqing Fu**

Major: *Design, Construction and Planning*

Dissertation: Investigating How to Utilize Salient Cues to Improve Individual Emergency Wayfinding Performance

Dissertation Chair: R. Liu

**Angelica Milagros Garcia Villacorta**

Major: *Interdisciplinary Ecology*

Dissertation: Factors Affecting Cultural Perceptions of Palms and the Sustainability of Their Management in Madre de Dios, Peru

Dissertation Chair: S. G. Perz

**Amber Grey Gardner**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Germination Cues, Dormancy, and Ex Situ Conservation of *Harperocallis flava*, A Federally Endangered Endemic Plant of the Florida Panhandle

Dissertation Chair: H. E. Perez

**Leslie Susan Gaynor**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Examining a Novel Translational Cognitive Biomarker of Alzheimer's Disease and Its Association with Brain Biomarkers of Early Disease Progression

Dissertation Chair: R. M. Bauer

**Sankalp Gilda**

Major: *Astronomy*

Dissertation: Uncertainty Quantification, Error Estimation, and Model Interpretability in Astronomy: A Machine Learning-Based Perspective

Dissertation Chair: D. T. Narayanan

**Peter R. Gitto**

Major: *English*

Dissertation: Unveiling Violence in Post-Socialist Art Cinema

Dissertation Chair: B. C. Mennel



### **Romain Michel Gloaguen**

Major: *Agronomy*

Dissertation: Characterization of the Belowground Development of a Drought Tolerant Crop (*Sesamum indicum L.*) and Its Use for the Design of an Irrigation Decision Support System

Dissertation Chair: Z. T. Brym

Dissertation Co-chair: D. L. Rowland

### **Pamir Gogoi**

Major: *Linguistics*

Dissertation: Affinity between Nasality and Breathiness: An Acoustic Analysis

Dissertation Chair: R. Wayland

### **Simon H. Goldstone**

Major: *Anthropology*

Dissertation: The Archaeology of Cassipora Creek: Jewish Identity Formation in Colonial Suriname

Dissertation Chair: J. M. Davidson

### **Ryan Zachary Good**

Major: *Geography*

Dissertation: Land Cover and Environmental Change and Their Implications in East Africa

Dissertation Chair: J. Southworth

Dissertation Co-chair: M. E. Swisher

### **Zakia Ikeda Goodwin**

Major: *Veterinary Medical Sciences*

Dissertation: Vaccines for Brucellosis: Understanding Mucosal Protection Induced by Novel Live Attenuated Candidate Paves the Way for Subunit Antigen Discovery

Dissertation Chair: D. W. Pascual

### **Amy Marie Gottlieb**

Major: *Astronomy*

Dissertation: Infrared Studies of X-Ray Binaries in the Galactic Center

Dissertation Chair: S. S. Eikenberry

### **Valerie T. Gresser**

Major: *Curriculum and Instruction*

Dissertation: Elementary Pre-Service Teachers Learning to Use a Functional Linguistics Approach to Literacy Instruction

Dissertation Chair: Z. Fang

### **Kyle B. Griffin**

Major: *Agricultural and Biological Engineering*

Dissertation: A Kinetic Model for *Methylosinus trichosporium* OB3b Utilization of Synthetic Food Waste-Derived Biogas for Growth and Polyhydroxybutyrate Production

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-chair: S. A. Svoronos

### **Jeffrey M. Gruntmeir**

Major: *Veterinary Medical Sciences*

Dissertation: Effect of Heat Treatment on Antibody Interference of *Dirofilaria immitis* Antigen Detection and Impacts on Diagnostic Accuracy in Naturally Infected Dogs

Dissertation Chair: H. D. Walden

### **Mario Sergio Guadalupe Daqui**

Major: *Food Science*

Dissertation: Vacuum Fermentation: Understanding the Mechanism of Vacuum Pressure Fermentation Based upon Yeast Performance, Morphology, and Stress Compounds

Dissertation Chair: A. J. MacIntosh

### **Victor A. Guerra**

Major: *Soil and Water Sciences*

Dissertation: Soil Microbial and Ecophysiological Aspects of Rhizoma Peanut Inclusion in Bahiagrass Pastures

Dissertation Chair: C. Mackowiak

Dissertation Co-chair: J. C. Dubeux, Jr.

**Joana Paola Guerrero Rodriguez**

Major: *Romance Languages—Spanish*

Dissertation: *Telecollaboration: Discussing Effects and Pedagogical Implications for Spanish Heritage Speakers*

Dissertation Chair: D. Pascual Cabo

**Swagnik Guhathakurta**

Major: *Aerospace Engineering*

Dissertation: *Effect of Radiative Heat Transfer on the Structure and Propagation of Layered Coal-Dust Explosions*

Dissertation Chair: R. W. Houim

**Juliana Guitelman**

Major: *Counseling Psychology*

Dissertation: *Effects of Partner Gender and Encounter Type on Bisexual Women's Sexual Function*

Dissertation Chair: L. Mintz

**Shu Guo**

Major: *Medical Sciences—Genetics*

Dissertation: *Therapeutic Approaches and Mechanisms for C9orf72 Amyotrophic Lateral Sclerosis/Frontotemporal Dementia (ALS/FTD)*

Dissertation Chair: L. P. Ranum

**Churni Gupta**

Major: *Mathematics*

Dissertation: *Network Immuno-Epidemiological Models of HIV and Opioid Epidemic*

Dissertation Chair: M. Martcheva

**Alan Gutierrez**

Major: *Food Science*

Dissertation: *The Prevalence and Concentration of Salmonella in Poultry Litter and the Effects of Ammonia and Microflora on Its Survival in Litter*

Dissertation Chair: K. R. Schneider

**Meisam Habibimatin**

Major: *Mechanical Engineering*

Dissertation: *Science of Thin Liquid Films Formation, Evaporation and Motion in Microchannels*

Dissertation Chair: S. Moghaddam

**Chad Campbell Hammock**

Major: *Linguistics*

Dissertation: *Implementing Data-Driven Learning into an L2 Korean Language Classroom in South Korea: A First Foray*

Dissertation Chair: S. Wulff

**Yaqi Han**

Major: *Physics*

Dissertation: *Quantum Properties of the Axion Dark Matter Fluid and Their Implications for Observation*

Dissertation Chair: P. Sikivie

**Heather E. Hannaford**

Major: *English*

Dissertation: *"A Sort of National Property": Perceptions of the Lake District from Wordsworth to Potter and Beyond*

Dissertation Chair: J. W. Page

**Taylor J. Harvey**

Major: *Nuclear Engineering Sciences*

Dissertation: *Simplified Neutron Scatter Camera for Nuclear Safeguards Applications*

Dissertation Chair: A. P. Enqvist

**Mohammad Mehedy Hassan**

Major: *Geography*

Dissertation: *Crisis and Environmental Change in Bangladesh: A Remote Sensing Approach*

Dissertation Chair: J. Southworth

**Martha Alejandra Hermosilla Palacios**

Major: *Chemistry*

Dissertation: Exploiting the Power of Two-Dimensional Spectroscopy: Understanding Photophysics in Isomerization and Hole Delocalization Processes

Dissertation Chair: V. D. Kleiman

**John Engelsted Hester**

Major: *Mathematics*

Dissertation: Novel Methods for First Order Automated Theorem Proving

Dissertation Chair: D. A. Cenzler

**Deborah Rivers Hilbert**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Improving Urban Forest Species Diversity in Florida

Dissertation Chair: A. K. Koeser

**Jasmine Danielle Hines**

Major: *Music Education*

Dissertation: An Ethnographic Study of Epistemic Resistance Amongst Black Female Music Educators

Dissertation Chair: B. C. Hartz

**Mark Clifford Hodge**

Major: *Art History*

Dissertation: Dialectical Semblance: Blank Portraiture on Third- and Fourth-Century Roman Sarcophagi

Dissertation Chair: A. E. Jones

**Maggie L. Hogan**

Major: *Counseling Psychology*

Dissertation: Associations of Minority Stressors and Belongingness with Psychological Distress Among Bisexual, Pansexual, Queer, and/or Fluid Adults

Dissertation Chair: C. M. Tucker

**Mehran Homayounfar**

Major: *Agricultural and Biological Engineering*

Dissertation: Resilience and Robustness of Coupled Natural Human Systems: Quantification, Tradeoffs, and Management

Dissertation Chair: R. Muneeppeerakul

Dissertation Co-chair: C. J. Martinez

**Jeffrey Mark Honig**

Major: *Civil Engineering*

Dissertation: Experimental and Analytical Development of Fiber-Reinforced Concrete Traffic Railing for Vehicle Impact Loading

Dissertation Chair: G. R. Consolazio

Dissertation Co-chair: H. R. Hamilton

**Gabrielle Altomare Hromas**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Oculomotor Predictors of Recovery from Mild Traumatic Brain Injury

Dissertation Chair: R. M. Bauer

Dissertation Co-chair: W. M. Perlstein

**Angkana Tzu-Yun Huang**

Major: *Zoology*

Dissertation: Ecology of Co-Circulating Pathogens in a Demographic Transitioning Host Population

Dissertation Chair: D. A. Cummings

**Ke Huang**

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Examining the Psychometric Integrity of the Social Skills Improvement System Teacher Rating Scales Scores for a Sample of Preschool-Aged Children

Dissertation Chair: M. A. Conroy

Dissertation Co-chair: P. Snyder

**Yuanhong Huang**

Major: *Counseling Psychology*

Dissertation: Empathy and School Predictors of Bystander Intervention in School Bullying: A Multi-Informant and Multilevel Analysis

Dissertation Chair: D. L. Espelage

**Sarah E. Hundemer**

Major: *Forest Resources and Conservation*

Dissertation: Confronting Water Partisanship with Communication Strategy

Dissertation Chair: M. C. Monroe

**Yanan Huo**

Major: *Biostatistics*

Dissertation: Statistical Methods for Observational Vaccine Studies and Analyzing Viral Testing Data

Dissertation Chair: N. E. Dean

**Gangseok Hur**

Major: *Agricultural Education and Communication*

Dissertation: An Outcome Evaluation of the University of Florida College of Agricultural and Life Sciences Teacher's College

Dissertation Chair: T. G. Roberts

**Melissa D. Irizarry**

Major: *Plant Pathology*

Dissertation: Detection and Management of Disease in Greenhouse Grown Watermelon Transplants

Dissertation Chair: N. S. Dufault

**Ivan Pavlovich Ishkov**

Major: *Physics*

Dissertation: Environmental Triggers of *IrgA* Expression in *Streptococcus mutans* and Competence Regulation in Biofilm

Dissertation Chair: S. J. Hagen

**Mohit Jaiswal**

Major: *Chemistry*

Dissertation: Development of Chemical Tools and Technologies for Probing Cell Surface Glycans

Dissertation Chair: Z. Guo

**Neda Jalali**

Major: *Biostatistics*

Dissertation: Infectious Disease Modeling with Limited Surveillance Data

Dissertation Chair: Y. Yang

**Tyler Glenn James**

Major: *Health and Human Performance*

Minor: *Research and Evaluation Methodology*

Dissertation: Developing a Conceptual Model of Emergency Department Utilization among Deaf and Hard-of-hearing Patients: An Explanatory Sequential Mixed Methods Study

Dissertation Chair: J. Cheong

**Jessica A. Jenkins**

Major: *Anthropology*

Dissertation: Evaluating the Role of Social Movements in the Middle-to-Late Woodland Transformation on the Northern Gulf Coast of Florida

Dissertation Chair: K. E. Sassaman, Jr.

**Congjiao Jiang**

Major: *Psychology*

Dissertation: Self-Other Effects in Decision Making

Dissertation Chair: K. Ratliff

**Bhargav M. Joshi**

Major: *Physics*

Dissertation: A Search for  $\tau$  Lepton Decays to Three Muons

Dissertation Chair: G. Mitselmakher

Dissertation Co-chair: A. Korytov

**Amanda L. Kastner**

Major: *Music Education*

Dissertation: Two-Way Street: A Grounded Theory of Communication Between Secondary School Principals and Music Teachers

Dissertation Chair: M. A. Haning

**Amanda L. Kastrinos**

Major: *Mass Communication*

Dissertation: Emerging and Young Adults Caring for a Parent with Advanced Cancer: Understanding the Role of Uncertainty and Information Sharing across the Disease Trajectory

Dissertation Chair: C. L. Fisher

Dissertation Co-chair: C. Bylund

**Raminder Kaur**

Major: *Agricultural and Biological Engineering*

Dissertation: Application of the Technology Acceptance Model in SmartPath Decision Support Tool for Florida Horticultural Producers to Select Alternative Water Sources

Dissertation Chair: J. A. Watson

**Patrick Charles Kellish**

Major: *Medical Sciences—Cancer Biology*

Dissertation: Priming Immunity against Small-Cell Lung Cancer with Oncolytic Myxoma Virus

Dissertation Chair: M. Zajac-Kaye

**Jack P. Kennedy**

Major: *Medical Sciences—Neuroscience*

Dissertation: Movement Related Changes in Cortical Local Field Potentials

Dissertation Chair: A. P. Maurer

**Samantha Parry Kenyon**

Major: *Aerospace Engineering*

Dissertation: Design and Simulation of Pulsed UV LED Charge Control for Space Inertial Sensors

Dissertation Chair: J. Conklin

**HyunJin Jinna Kim**

Major: *Curriculum and Instruction*

Dissertation: Exploring Mainstream Teacher Candidates' Professional Identity as Teachers of English Language Learners

Dissertation Chair: E. J. de Jong

**Taehoon Kim**

Major: *Chemistry*

Dissertation: Design and Synthesis of Single-Source Precursors for Aerosol-Assisted Chemical Vapor Deposition of Tungsten Oxide and Nitride Films

Dissertation Chair: L. A. McElwee-White

**Janae Lara Kirsch**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Effects of a Cognitive Behavioral Intervention on Rest-Activity Circadian Rhythms, Proinflammatory Cytokines, and Survival among Women with Gynecologic Malignancies

Dissertation Chair: D. B. Pereira

**Samantha Ayumi Koda**

Major: *Veterinary Medical Sciences*

Dissertation: *Megalocytiviruses* in Aquaculture: Genetic Diversity, Improved Molecular Diagnostic Tools, and the Development of an Experimental, Challenge Model to Determine the Effect of Water Temperature on Disease

Dissertation Chair: T. B. Waltzek

**Cameron Berg Kofler**

Major: *Medical Sciences—Medical Physics*

Dissertation: The Development of a Newborn, Infant, and Toddler Mesh-Based Computational Phantom Library and a Pre-Computed Monte Carlo Dose Library for Computed Tomography

Dissertation Chair: W. E. Bolch



**Andrew R. Kriehn**

Major: *Mathematics*

Dissertation: Using Valuations to Compute Regular Models of Hyperelliptic and Trigonal Superelliptic Curves

Dissertation Chair: R. M. Crew

**Nicholas Ray Krupa**

Major: *Business Administration—Accounting*

Dissertation: The Signaling Value of the CPA License in the Emergent Gig Economy

Dissertation Chair: P. Madsen

**Shweta S. Kulkarni**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Image-Based Learning for Characterization of Inflammation Induced Pancreatic Ductal Plasticity in Type 1 Diabetes

Dissertation Chair: M. A. Atkinson

**Kristopher Michael Kusnerik**

Major: *Geology*

Minor: *Wildlife Ecology and Conservation*

Dissertation: Freshwater Conservation Paleobiology: Understanding the Historical Ecology of Spring-Fed Fluvial Systems in Florida Using Fossil and Modern Mollusks

Dissertation Chair: M. Kowalewski

**Tricia E. Kyzar**

Major: *Design, Construction and Planning*

Dissertation: Vulnerability Assessment of Onsite Wastewater Treatment Systems in Low-Lying Coastal Communities to Multiple Climate Related Threats

Dissertation Chair: K. I. Frank

**Brittany LaQuinta LaBelle**

Major: *School Psychology*

Dissertation: Evaluating the Utility of the MAYSI-2 among African American Male Juvenile Offenders

Dissertation Chair: D. J. Beaulieu

Dissertation Co-chair: J. C. Brojomohun-Gagnon

**Edward M. Laguna**

Major: *Chemistry*

Dissertation: Design and Synthesis of Soraphen A Analogues for Acetyl Coenzyme A Carboxylase Inhibition and Palladium Catalyzed Enantioselective Decarboxylative Allylation

Dissertation Chair: A. Aponick

**Dylan Michael Larson-Konar**

Major: *Counseling Psychology*

Dissertation: A Self-Determination Approach to Sexual Well-Being

Dissertation Chair: M. Heesacker

**Kati Mcwaters Lawson**

Major: *Agricultural Education and Communication*

Dissertation: Resilience, Resourcefulness, and Responsibility: A Case Study of the Adaptive Abilities of Secondary Agriscience Teachers Who Teach Agricultural Communication Courses in Florida

Dissertation Chair: R. W. Telg

**Lacie Michelle Lazaroe**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: A Pilot Examination of the Efficacy of a Week-Long Summer Day Camp on Youth OCD and Anxiety Symptomatology

Dissertation Chair: J. P. McNamara

Dissertation Co-chair: D. Janicke

**Kelsea M. LeBeau**

Major: *Public Health*

Dissertation: Investigating Social Support among Adolescent and Young Adult Palliative Care Patients Using an Online Gaming Network from the Patient Perspective

Dissertation Chair: M. W. Hart

**Donghee Lee**

Major: *Mass Communication*

Dissertation: Optimizing Telehealth for Cancer Prevention: Social Identity Approach to Promote Accommodative Physician-Patient Communication about Cancer Screening

Dissertation Chair: J. Raup-Krieger

**Sunidhi Lenka**

Major: *Chemistry*

Dissertation: Inhibition and Engineering of Proteins: A Step towards Drug Discovery and Biocatalysis

Dissertation Chair: A. E. Roitberg

**Jianyu Li**

Major: *Horticultural Sciences*

Minor: *Soil and Water Sciences*

Dissertation: Assessing Integrated Nutrient Management in Organic Strawberry Production for Improving Nitrogen Availability, Soil Quality, and Crop Performance

Dissertation Chair: X. Zhao

**Qi Li**

Major: *Astronomy*

Dissertation: The Formation and Evolution of Cosmic Dust

Dissertation Chair: D. T. Narayanan

**Qingli Liu**

Major: *Nutritional Sciences*

Dissertation: Investigations of SLC39A14 and SLC39A8 in Mouse Models of Iron Overload

Dissertation Chair: M. D. Knutson

**Yuning Liu**

Major: *Genetics and Genomics*

Dissertation: Pathophysiology and Mouse Model of Dyt1 Dystonia

Dissertation Chair: Y. Li

**Melissa Amy Lloyd**

Major: *Music Education*

Dissertation: Social Emotional Learning in the Elementary General Music Classroom: Exploring Instructional Strategies and Approaches

Dissertation Chair: M. M. Sheridan

**Janet Lopez**

Major: *Nursing Sciences*

Dissertation: An Exploration of Minority and Non-Minority Caregiver of Stroke Survivors

Dissertation Chair: J. R. Stacciarini

Dissertation Co-chair: L. Scarton

**Hangwei Lu**

Major: *Electrical and Computer Engineering*

Dissertation: The Feasibility Study of Image Analysis and Machine Learning for IC Trojan Detection

Dissertation Chair: D. Woodard

**Chuji Luo**

Major: *Statistics*

Dissertation: Variable Selection and Causal Inference Using Flexible Bayesian Models

Dissertation Chair: M. J. Daniels

**Ziliang Luo**

Major: *Agronomy*

Dissertation: The Genetic and Epigenetic Controls of Early Rhizobial Infection in Peanut

Dissertation Chair: J. Wang

**Wei Ma**

Major: *Curriculum and Instruction*

Dissertation: Promises and Challenges: A Qualitative Case Study on a Social Justice-Oriented Professional Practice  
Doctoral (Ed.D.) Program

Dissertation Chair: N. L. Dana

**Mercedes Mayra Machado**

Major: *Counseling and Counselor Education*

Dissertation: "That's the Tax You Pay": Testimonios of Early-Career Latinx Counselor Educators at Predominantly  
White Institutions

Dissertation Chair: A. Puig

**Preet Mahalay**

Major: *Chemistry*

Dissertation: Heterobimetallic Cobalt-Manganese and Zirconium-Manganese Oxo Clusters

Dissertation Chair: G. Christou

**Elizabeth Ann Mahar**

Major: *Psychology*

Dissertation: Stigma toward Consensual Non-Monogamy

Dissertation Chair: G. D. Webster

**Pablo Victor Marquine Da Fonseca Sr.**

Major: *Music*

Dissertation: Claudio Santoro, Música Viva, and the Emergence of German Modernism in Brazilian Music

Dissertation Chair: S. dos Santos

**Marcela G. Marrero Pérez**

Major: *Animal Sciences*

Dissertation: Unraveling the Immunomodulatory Role of 5-Hydroxytryptamine in Pre-Weaned Dairy Calves

Dissertation Chair: J. P. Driver

**Angela Schirck Matthews**

Major: *Forest Resources and Conservation*

Dissertation: Use of Data from Fitness Tracker Apps to Compare Cycling Trip Characteristics and Assess Park Visitation

Dissertation Chair: H. H. Hochmair

**Christie J. Mauretour**

Major: *Mathematics*

Dissertation: Improved Solutions to the Vertex Separator Problem Based on the Optimality Conditions

Dissertation Chair: W. W. Hager

**Eric O. McGhee**

Major: *Materials Science and Engineering*

Dissertation: Coupled Evolution in Multicomponent Immuno-Oncology

Dissertation Chair: W. G. Sawyer

**David P. McLean**

Major: *Mass Communication*

Dissertation: The Influence of Communication Mode and Facial Presence on Responses to Toxic Behavior during  
Video Game Live Streams

Dissertation Chair: Y. Lee

**Victoria Alexis McNeil-Young**

Major: *Counseling Psychology*

Dissertation: Self-Altering Strategies, Gendered Racial-Ethnic Socialization, and Well-Being among Black College Women

Dissertation Chair: L. Mintz

**Erica R. Mesnard**

Major: *School Psychology*

Dissertation: Being a Teen with OCD: A Qualitative Examination of Social Functioning in the Context of OCD

Dissertation Chair: T. M. Smith-Bonahue

**Alexander Thomson Miller**

Major: *Aerospace Engineering*

Dissertation: *hp-Adaptive Methods and Nonsingular Parameterizations for Solving Optimal Control Problems with Singularities or Nonsmooth Solutions*

Dissertation Chair: A. Rao

**Douglas R. Miller**

Major: *Medical Sciences—Neuroscience*

Dissertation: *Regulatory Mechanisms of Functional Dopaminergic Networks*

Dissertation Chair: H. Khoshbouei

Dissertation Co-chair: A. P. Maurer

**Sara Christine Mills**

Major: *Materials Science and Engineering*

Dissertation: *Fabrication of Thick and Stable Magnetic Nanoparticle Films via Electrophoretic Deposition for Power Component Applications*

Dissertation Chair: J. Andrew

**Shova Mishra**

Major: *Entomology and Nematology*

Dissertation: *Influence of Basal Plant Biology in Root-Knot Nematode Parasitism*

Dissertation Chair: P. DiGennaro

**Soheyla Mohammadigorji**

Major: *Design, Construction and Planning*

Dissertation: *Exploring Feasibilities of Space Syntax Analysis as a Tool to Measure the Risk and Opportunities for Patient Aggression against Healthcare Providers in Emergency Department Settings*

Dissertation Chair: S. J. Bosch

Dissertation Co-chair: S. Valipoor

**Makeda Wandetta Moore**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: *Role of Weight Status and Body Composition in Executive Functioning Outcomes among Survivors of Pediatric Acute Lymphoblastic Leukemia*

Dissertation Chair: S. C. Heaton

Dissertation Co-chair: D. Janicke

**William Chandler Moore**

Major: *Aerospace Engineering*

Dissertation: *Closing the Divide between Euler-Lagrange and Particle-Resolved Force Predictions in Dispersed Multiphase Flow*

Dissertation Chair: S. Balachandar

**De-Fen Mou**

Major: *Entomology and Nematology*

Dissertation: *Identification of Insect Vectors for Palm-Infecting Phytoplasmas and Insights on the Transmission Biology*

Dissertation Chair: B. W. Bahder

**Emily L. Mroz**

Major: *Psychology*

Dissertation: *Reflection on the Dying Days of a Lost Loved One: The Lasting Effects of Place of Death*

Dissertation Chair: S. B. Bluck

**Kingshuk Mukherjee**

Major: *Computer Science*

Dissertation: *Algorithms for Single-Molecule Optical Maps*

Dissertation Chair: C. A. Boucher

**Michaela Devyn Mullis Piszczatoski**

Major: *Mass Communication*

Dissertation: *The Alienated Parent-Child Bond over the Lifespan: Relational Reconnection in Parental Alienation Families*

Dissertation Chair: C. L. Fisher

**Mitch R. Murray**

Major: *English*

Dissertation: The Art of Genre: Utopia and the Contemporary Artist Novel

Dissertation Chair: P. E. Wegner

**Shinichi Nakahara**

Major: *Entomology and Nematology*

Dissertation: Insights into Systematics of Euptychiina (Lepidoptera: Nymphalidae: Satyrinae)

Dissertation Chair: K. R. Willmott

**Xianglan Nan**

Major: *Business Administration—Marketing*

Dissertation: The Social Decision Framing Effect: Rejections Are More Contagious than Choices

Dissertation Chair: Y. Yang

Dissertation Co-chair: C. A. Janiszewski

**Clayton J. Nevins**

Major: *Soil and Water Sciences*

Dissertation: Biological Soil Crusts Impact Nutrient Cycling and Soil Microbiome in Agroecosystems

Dissertation Chair: P. W. Inglett

Dissertation Co-chair: S. L. Strauss

**Vinh Phuc Thinh Nguyen**

Major: *Chemistry*

Dissertation: *Brassica carinata* Meal Issued from Aviation Fuel Production, A Renewable Resource of Valuable Chemicals

Dissertation Chair: J. D. Stewart

**Carissa Nicholson**

Major: *Art History*

Dissertation: Image and Reality: The Domestic World on Classical Greek Vases

Dissertation Chair: M. A. Eaverly

Dissertation Co-chair: M. L. Hyde

**Seth Timothy Nydam**

Major: *Aerospace Engineering*

Dissertation: Design, Testing, and Operations of a Low Resource Optical Precision Timing Instrument for Ground-to-Space Time Synchronization

Dissertation Chair: J. Conklin

**Olufemi Olusola Odegbile**

Major: *Computer Science*

Dissertation: Software-Defined Policy Enforcement in Computer Networks

Dissertation Chair: S. Chen

**Nnanyelugo Gerald Odezulu**

Major: *Veterinary Medical Sciences*

Dissertation: Bioaccessibility of Arsenic and Glyphosate for Human Health Risk Assessment

Dissertation Chair: S. M. Roberts

**Anne Oyindamola Oguntoye**

Major: *Nursing Sciences*

Dissertation: Engagement of Young Adults with a Web-Based Sickle Cell Reproductive Health Intervention

Dissertation Chair: D. J. Wilkie

**Woi Sok Oh**

Major: *Agricultural and Biological Engineering*

Dissertation: Navigating Complexity and Multi-Dimensionality of the Coupled Natural-Human Systems

Dissertation Chair: R. Muneeppeerakul

**Catherine Andrea Olguin**

Major: *Medical Sciences—Medical Physics*

Dissertation: Characterization and Optimization of a Single-Source Sequential Dual Energy Computed Tomography System

Dissertation Chair: S. M. Leon

Dissertation Co-chair: I. L. Barreto



**Rebecca Anne Olson**

Major: *Chemistry*

Dissertation: Utilizing Photochemistry for Polymer Synthesis, Modification, and Bioconjugation

Dissertation Chair: B. S. Sumerlin

**Jonathan Michael Orsini**

Major: *Agricultural Education and Communication*

Dissertation: Not So Different: The Overlapping Constructs of Teamwork and Mentorship

Dissertation Chair: N. L. P. Stedman

**Brittney A. Otero**

Major: *Genetics and Genomics*

Dissertation: Transcriptomic Alterations in the Central Nervous System of Myotonic Dystrophy

Dissertation Chair: E. T. Wang

**Hyunsoung Park**

Major: *Design, Construction and Planning*

Dissertation: Construction Safety Analysis in BIM Using Ontology-Based Knowledge Model for Safety Code Checking in Design Stage

Dissertation Chair: R. Liu

**Jiae Park**

Major: *Sociology*

Dissertation: The Transition to Adulthood and Depressive Symptoms: A Case of South Korea

Dissertation Chair: T. M. Koropecyj-Cox

**Seonho Park**

Major: *Industrial and Systems Engineering*

Dissertation: Combining Variational Approaches With Deep Learning and Its Applications

Dissertation Chair: P. M. Pardalos

**Satyajeet Rajendra Patil**

Major: *Civil Engineering*

Dissertation: Experimental and Numerical Characterization of Stiffness Parameters for Tapered Elastomeric Bridge Bearing Pads

Dissertation Chair: G. R. Consolazio

Dissertation Co-chair: H. R. Hamilton

**Pornpamol Pattamanont**

Major: *Animal Sciences*

Dissertation: Relationships of Dry Period Length with Milk Yield, Culling, Reproduction, and Economics in the Subsequent Lactation of Dairy Cows

Dissertation Chair: A. De Vries

**Corey A. Payne**

Major: *Curriculum and Instruction*

Dissertation: Exploring Justice and Equity in a Career-Forward Chemistry Laboratory Curriculum

Dissertation Chair: K. J. Crippen

**Wang Peng**

Major: *Civil Engineering*

Dissertation: Clustering-Aided Approaches for Traffic Congestion Management: CAV Coordinated Routing, Carpooling, and Multi-Modal Carpooling

Dissertation Chair: L. Du

**James H. Peniston**

Major: *Zoology*

Dissertation: Temporal Environmental Variation and Eco-Evolutionary Responses to Environmental Change

Dissertation Chair: R. D. Holt

**Phuong Nguyen Pham**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Comparative Safety of Selective Serotonin Reuptake Inhibitors among Patients with Depression

Dissertation Chair: J. D. Brown

**Rahul Prabhu**

Major: *Computer Science*

Dissertation: Algorithms for the Elucidation of the Structure and Geometric Properties of Molecular Configuration Spaces

Dissertation Chair: M. Sitharam

**Daisy Joan Tan Pua**

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Further Validation of the Preservice Observation Instrument for Special Education Using Rasch Model and Rater Satisfaction

Dissertation Chair: M. T. Brownell

**Mahi Puri**

Major: *Wildlife Ecology and Conservation*

Dissertation: Prioritizing and Identifying Opportunities for Carnivore Conservation in Human-Dominated Landscapes of India

Dissertation Chair: B. A. Loiselle

Dissertation Co-chair: E. F. Pienaar

**Bing Qi**

Major: *Design, Construction and Planning*

Dissertation: BIM and Ontological-Based Framework for Design, Manufacturing, and Assembling Requirements Checking of Prefabricated Component

Dissertation Chair: A. M. Costin

**Mir Tanjidur Rahman**

Major: *Electrical and Computer Engineering*

Dissertation: Chip Backside Security Assessment and Protection against Advanced Physical Attacks

Dissertation Chair: N. Asadi Zanjani

**Widyastri Atsary Rahmy**

Major: *Design, Construction and Planning*

Dissertation: Green Infrastructure in Urban Regions: A Cross-Scale Conservation Approach and the Challenge of Rapid Land Use Change in Bandung Basin Region, Indonesia

Dissertation Chair: T. S. Hoctor

Dissertation Co-chair: C. Silver

**Romy Rajan**

Major: *English*

Dissertation: Neoliberalism and the Moment of Precarity in the Postcolonial Novel in India and Kenya

Dissertation Chair: P. E. Wegner

**Catherine Rose Rama**

Major: *School Psychology*

Dissertation: Teaching Young Children in an Inclusive Setting during the COVID-19 Pandemic

Dissertation Chair: T. M. Smith-Bonahue

**Appajosula Y. Rao**

Major: *Materials Science and Engineering*

Dissertation: Development of an Artificial Neural Network Model for Predicting the Stress Corrosion Cracking Behaviors of Nuclear Reactor Internal Structural Materials

Dissertation Chair: Y. Yang

**Sagarika Rath**

Major: *Agricultural and Biological Engineering*

Dissertation: Agricultural Water Security through Sustainable Use of the Floridan Aquifer: An Integrated Study of Water Quantity and Water Quality Impacts

Dissertation Chair: W. D. Graham

Dissertation Co-chair: D. A. Kaplan

**Nicole K. Reynolds**

Major: *Plant Pathology*

Dissertation: Investigating the Ecology, Phylogeny, and Diversity of Zoopagomycota Fungi

Dissertation Chair: M. E. Smith

**Tyler Kevin Reynolds**

Major: *Physics*

Dissertation: A Measurement of the Ionization Yield at sub-keV Recoil Energies in Silicon

Dissertation Chair: T. Saab

**David Beckham Riddle**

Major: *School Psychology*

Dissertation: Student-Teacher Relationships and the Facilitation of Social, Emotional, and Behavioral Services

Dissertation Chair: J. D. Splett

**James K. Rigney Jr.**

Major: *Curriculum and Instruction*

Dissertation: Teacher Professional Public Thinking: Inspirations For, Impacts On, and Interpretations of Teachers Shaping and Sharing Ideas about Their Practice, Profession, and Public Schools in Online Spaces

Dissertation Chair: N. L. Dana

**Biswas Rijal**

Major: *Materials Science and Engineering*

Dissertation: First Principle Study of Defects in Materials Surfaces

Dissertation Chair: R. Hennig

**Christopher R. Robert**

Major: *School Psychology*

Dissertation: School-Level Differences in Perceptions of School Climate across Middle and High School

Dissertation Chair: D. J. Beaulieu

**Gerard Patrick Robinson**

Major: *Health and Human Performance*

Dissertation: Evaluating the Acute Phase Response in Skeletal Muscle during Polymicrobial Sepsis

Dissertation Chair: T. L. Clanton

**Fernando J. Rodríguez**

Major: *Human-Centered Computing*

Dissertation: Analyzing and Adapting to Uncertainty during Collaborative Problem Solving in Introductory Computer Science

Dissertation Chair: K. Boyer

**Diana Rojas Araya**

Major: *Entomology and Nematology*

Dissertation: Evaluation of the Effect of Fluorescent Powders on Different *Aedes aegypti* Adult Traits

Dissertation Chair: B. W. Alto

Dissertation Co-chair: N. D. Burkett-Cadena

**John Roman**

Major: *Health and Human Performance*

Dissertation: Emotion and Joint Action: Valence Associations Reflect Partner Performance Quality

Dissertation Chair: C. M. Janelle

**Samira Roostaie**

Major: *Design, Construction and Planning*

Dissertation: Integrated Building Assessment Framework for Sustainability and Resilience

Dissertation Chair: N. O. Nawari

**Lauren Ariel Rowan**

Major: *Zoology*

Dissertation: Biogeography and Population Genomics of Bahamian Bats

Dissertation Chair: D. L. Reed

**Pratik Roy**

Major: *Chemistry*

Dissertation: Lanthanide Based Hybrid Poly Ion Complexes as Poly-Cest MRI Contrast Agents

Dissertation Chair: D. R. Talham

**Samrat Roy**

Major: *Statistics*

Dissertation: A Computational and Theoretical Framework for High Dimensional Low Tubal-Rank Tensor Models

Dissertation Chair: G. Michailidis

**Bijeta Bijen Saha**

Major: *Food and Resource Economics*

Dissertation: Environmental Dis-Amenities and Its Impact Evaluation Using Quasi-Experimental Methods

Dissertation Chair: C. Court

**Diogo Salmeron Carvalho**

Major: *Music*

Dissertation: "Open the Bruise Up": Narrative Identity and Cultural Memory in Steve Reich's Music

Dissertation Chair: P. S. Richards

Dissertation Co-chair: S. dos Santos

**Shehaab Savliwala**

Major: *Chemical Engineering*

Dissertation: Thermal Decomposition Synthesis of Monodisperse, Nearly Phase-Pure Iron Oxide and Mixed Ferrite Nanoparticles

Dissertation Chair: C. Rinaldi

**Mohammad Sayeb**

Major: *Physics*

Dissertation: Study of Supermassive Black Hole Systems in a Cosmological Framework

Dissertation Chair: L. E. Blecha

**Alexander Joseph Schachtner**

Major: *Physics*

Dissertation: Directed Drying and De-Suspension of Single-Wall Carbon Nanotube Thin Films for OLED Applications

Dissertation Chair: A. G. Rinzler

**Elizabeth N. Schieber**

Major: *Psychology*

Dissertation: Increasing Cooperation of Children with Developmental Disabilities during Dental Exams

Dissertation Chair: I. G. DeLeon

**Anna Christine Schneider Swanson**

Major: *Forest Resources and Conservation*

Dissertation: Effects of Dams on Riparian Vegetation in the Amazon: Cumulative Impacts and Linkages to Hydrology

Dissertation Chair: S. A. Bohlman

**Elizabeth S. Schultz**

Major: *Music Education*

Dissertation: Nomadic Teachers: Exploring Itinerant Music Teaching Positions in the Southern United States

Dissertation Chair: M. M. Sheridan

**Hamed Shafiei Rezvani Nejad**

Major: *Curriculum and Instruction*

Dissertation: Early Career Elementary Teachers' Understanding of Differentiated Instructional Practices for EL Students in Mainstream Inclusive Classrooms

Dissertation Chair: M. R. Coady

**Dipendra Shahi**

Major: *Agronomy*

Dissertation: Understanding Genetic Architecture and Finding Novel Loci Associated with Useful and Non-Useful Biomass Traits to Enhance Grain Yield and Harvest Index in Wheat

Dissertation Chair: M. A. Babar

**Shirin Shahkoomahally**

Major: *Horticultural Sciences*

Dissertation: A Study on Improvement of Low-Chill Peach Fruit Quality and Size under Florida Growing Condition

Dissertation Chair: A. Sarkhosh

**Tong Shao**

Major: *Electrical and Computer Engineering*  
Dissertation: Deep Learning Based Visual Computing  
Dissertation Chair: D. Wu

**Prachi Sharma**

Major: *Physics*  
Dissertation: Dynamical Response Functions of Interacting Fermionic Systems  
Dissertation Chair: D. Maslov

**Zack Shaw**

Major: *English*  
Dissertation: Media Ecologies and Composition: The Animated Sequence and Rhetorical Potential of Media  
Dissertation Chair: S. I. Dobrin

**Wanhui Sheng**

Major: *Pharmaceutical Sciences—Pharmacodynamics*  
Dissertation: Release and Action of Oxytocin in Paraventricular Nuclei of the Hypothalamus and Thalamus  
Dissertation Chair: C. J. Frazier

**Imani N. Sherman**

Major: *Human-Centered Computing*  
Dissertation: Communicating Incoming Call Information Through Universal Design  
Dissertation Chair: J. E. Gilbert

**Dong Hyun Shin**

Major: *Business Administration—Management*  
Dissertation: Essays on Nonmarket Forces in Business Policy  
Dissertation Chair: D. G. Ross

**Nicholas Ryan Sholl**

Major: *Mechanical Engineering*  
Dissertation: Bioinspired, Fiber-Reinforced Membranes for Soft Robot Actuation  
Dissertation Chair: K. Mohseni

**Sumaiya Shomaji**

Major: *Electrical and Computer Engineering*  
Dissertation: Versatile Authentication Technologies for Humans in IoT Era  
Dissertation Chair: D. J. Forte  
Dissertation Co-chair: S. Bhunia

**Carl R. Shotwell III**

Major: *Medical Sciences—Biochemistry and Molecular Biology*  
Dissertation: Engineered RNA Binding Proteins, RNA Modifications, and Myotonic Dystrophy  
Dissertation Chair: J. A. Berglund

**Forrest Wilford Shriver**

Major: *Nuclear Engineering Sciences*  
Dissertation: Prediction of High-Fidelity Neutronics Parameters in Pressurized Water Reactors Using Deep Learning  
Dissertation Chair: J. K. Watson

**Katherine M. Sims**

Major: *Youth Development and Family Science*  
Dissertation: A Latent Profile Analysis of Sexual Self-Concept: Heterosexual Cisgender Female Emerging Adult  
Sexual Well-Being, Communication, Consent and Satisfaction  
Dissertation Chair: L. F. Forthun

**Crystal M. Slanzi**

Major: *Psychology*  
Dissertation: Further Evaluation of the Extended No-Interaction Condition as a Screening for Behavioral Function  
Dissertation Chair: T. R. Vollmer



**Charlyne Alexandria-Marie Smith**

Major: *Nuclear Engineering Sciences*

Dissertation: Microstructural Characterization of Irradiated U-Mo Fuels

Dissertation Chair: A. Aitkaliyeva

**Connor S. Smith**

Major: *Electrical and Computer Engineering*

Dissertation: Magnetic 0-3 Nanocomposites for Power, Stretchable/Flexible, and Radio-Frequency Applications

Dissertation Chair: D. P. Arnold

**Eunyoung Song**

Major: *Business Administration—Marketing*

Dissertation: The Effects of Smartphone Use on Consumer Decision Making

Dissertation Chair: A. Sela

**Sujeily Soto Medina**

Major: *Materials Science and Engineering*

Dissertation: Design and Development of Lightweight High-Temperature Alloys Based on the Al-Fe-Si System

Dissertation Chair: M. V. Myers

**Stephen Carl Spana**

Major: *Civil Engineering*

Dissertation: Information Perturbation for Congestion Management under Connected Vehicle Coordinated Routing

Dissertation Chair: L. Du

**Benjamin D. Stelling**

Major: *Interdisciplinary Ecology*

Dissertation: Phytoplankton Composition and Abundance along Depth and Seasonal Gradients in the South Atlantic

Bight off the Coast of Cape Canaveral, FL

Dissertation Chair: E. J. Phlips

**Anita M. Stephen**

Major: *Curriculum and Instruction*

Dissertation: Nursing Students' Acceptance of an Online Computer Based Simulation System Utilizing the Technology Acceptance Model

Dissertation Chair: A. D. Ritzhaupt

**Caroline J. Stephenson**

Major: *Public Health*

Dissertation: An Investigation of the Risk for Dengue Virus Transmission in Florida Using a One Health Approach

Dissertation Chair: J. Lednicky

Dissertation Co-chair: R. D. Dinglasan

**Andrew Carl Stern**

Major: *Electrical and Computer Engineering*

Dissertation: Secure Microelectronics from Design to Distribution

Dissertation Chair: M. M. Tehranipoor

**Pooja Subedi**

Major: *Epidemiology*

Dissertation: Ethnicity-Specific Association between Telomere Length, DNA Methylation, Lipidome, and Cardiovascular Disease

Dissertation Chair: J. Zhao

**Dean M. Sullivan**

Major: *Electrical and Computer Engineering*

Dissertation: Attacks and Defenses in Architectural Security

Dissertation Chair: Y. Jin

**Rachel Ellen Sweeney**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Intergenerational Coping and Resilience in Pediatric Asthma

Dissertation Chair: D. A. Fedele

### **Tianyuan Tang**

Major: *Sociology*

Dissertation: Three Studies on the Second Demographic Transition: Attitudes toward Divorce and Links between Union Status and Health in the United States and Perceptions of Children in China

Dissertation Chair: T. M. Koropecyj-Cox

### **Juan Gabriel Tanquero-Zayas**

Major: *Materials Science and Engineering*

Dissertation: Inhibition of Calcium Sulfate Hemihydrate Crystallization under Simulated Conditions of Phosphoric Acid Evaporation

Dissertation Chair: B. M. Moudgil

### **Yefan Tao**

Major: *Physics*

Dissertation: Search for the Dark Photon at the Belle Experiment

Dissertation Chair: J. M. Yelton

### **Bijan Taslimi**

Major: *Industrial and Systems Engineering*

Dissertation: Novel Models in Mixed Integer Programming and Data-Driven Optimization

Dissertation Chair: H. Liu

Dissertation Co-chair: P. M. Pardalos

### **Ralph Tayeh**

Major: *Design, Construction and Planning*

Dissertation: Augmented Reality Applications for BIM and GIS in Online Construction Education

Dissertation Chair: R. R. Issa

### **Sunil Kumar Thapa**

Major: *Physics*

Dissertation: Magneto-Optical Control and Probing of Electrons, Phonons, and Spins in Semiconductor Heterostructures: A Computational Study

Dissertation Chair: C. J. Stanton

### **Prabal Tiwari**

Major: *Materials Science and Engineering*

Dissertation: Kinetics of Electrophoretic Deposition for Efficient and Scalable Assembly of Nanomaterials

Dissertation Chair: J. Andrew

### **Kaylee Marie Todd**

Major: *Chemistry*

Dissertation: Effectiveness of Quizzing within General Chemistry Courses

Dissertation Chair: A. Angerhofer

### **Kathryn Marie Trainor**

Major: *School Psychology*

Dissertation: School-Level Implementation Determinants as Predictors of Teacher Perceived Burden

Dissertation Chair: J. D. Splett

### **Trung Tran**

Major: *Medical Sciences—Medical Physics*

Dissertation: Pediatric Radiography Dosimetry for Radiation Epidemiology

Dissertation Chair: W. E. Bolch

### **Anurag Tulsiram**

Major: *Electrical and Computer Engineering*

Dissertation: Development of Power Management IC Test Solutions for Ultra Low Defects

Dissertation Chair: W. R. Eisenstadt

### **Matthew E. Turner**

Major: *Microbiology and Cell Science*

Dissertation: Contributions of cidAB and Its Genomic Neighborhood to *Streptococcus mutans* Metabolism and Physiology

Dissertation Chair: K. C. Rice

**Huseyin Uysal**

Major: *Curriculum and Instruction*

Dissertation: Amplifying the Voices of Long-Term English Learners: Humanizing Insights into Reclassification through the Lenses of Test-Takers

Dissertation Chair: E. J. de Jong

**Joshua D. Vadeboncoeur**

Major: *Health and Human Performance*

Dissertation: Black Fans Matter: Racialized Experience, Movement, and Resistance within the Sporting Space of NASCAR

Dissertation Chair: T. Bopp

**Valerie Christine Valerio Holguin**

Major: *Agricultural and Biological Engineering*

Dissertation: Analyzing Livestock Value Chains in Sub-Saharan Africa with Data and Simulation Models: 3 Case Studies

Dissertation Chair: G. A. Kiker

Dissertation Co-chair: R. Muneeppeerakul

**Luis Fernando Vargas**

Major: *Computer Engineering*

Dissertation: Leveraging Network Structures to Enhance an Ecosystem's Defense Systems

Dissertation Chair: P. Traynor

**Carlos A. Velazquez**

Major: *Mechanical Engineering*

Dissertation: Analysis of a Tensegrity System for a Pump Device

Dissertation Chair: C. D. Crane, III

**Ana Luiza Violato Espada**

Major: *Forest Resources and Conservation*

Dissertation: Collaborative Community Timber Management: A Comparative Analysis of Actors' Roles and Perceptions, Power Dynamics, and Women Empowerment in the Brazilian Amazon

Dissertation Chair: K. A. Kainer

**Christine Anne Vitiello**

Major: *Psychology*

Dissertation: Stop Judging Me: Parents' Estimation of Injunctive and Intensive Parenting Norms

Dissertation Chair: K. Ratliff

**Zachary R. Wakefield**

Major: *Medical Sciences—Cancer Biology*

Dissertation: The Therapeutic Potential of Aerobic Exercise in Preclinical Breast Cancer Models

Dissertation Chair: D. W. Siemann

**Julie E. Walker**

Major: *Interdisciplinary Ecology*

Dissertation: Effects of Climate Change on Coastal Wetland Ecosystems and the Implications for Their Future Management

Dissertation Chair: T. Z. Osborne

Dissertation Co-chair: C. Angelini

**Tanya Nicole Wallace-Farquharson**

Major: *Nursing Sciences*

Dissertation: Asthma Self-Management Knowledge and Experiences in the Context of Acute Asthma among Minority and Non-Minority Adolescents

Dissertation Chair: D. J. Wilkie

**Buyi Wang**

Major: *Curriculum and Instruction*

Dissertation: Creative Minds and Translanguaging Practices of Bilingual Scholars

Dissertation Chair: D. Fu

**Luyu Wang**

Major: *Health and Human Performance*

Dissertation: Culture and Travel Experience in Natural Environments from Online User-Generated Content

Dissertation Chair: A. P. Kirilenko

**Yuanbo Wang**

Major: *Industrial and Systems Engineering*

Dissertation: Optimization Methods for Handling High Dimensionality with Applications in Radiotherapy Planning

Dissertation Chair: H. Liu

**Yuzheng Wang**

Major: *Electrical and Computer Engineering*

Dissertation: Development of Ultrathick Electroplated CoPt Magnets and Their Application in Electro-Permanent Magnet Device

Dissertation Chair: D. P. Arnold

**Yi Wei**

Major: *Materials Science and Engineering*

Dissertation: Chemical Modifications and Topography Modeling of Silicone Rubber to Control Bioadhesion

Dissertation Chair: A. B. Brennan

Dissertation Co-chair: M. Tonks

**Diana Lynn Weng**

Major: *Business Administration—Accounting*

Dissertation: The Effect of Financial Reporting for Restructuring on Firm Choice of Divestiture Form

Dissertation Chair: J. W. Tucker

**Danielle M. Wesolowicz**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Relationship of Daily Pain Variability and Low Back Pain Outcomes

Dissertation Chair: M. E. Robinson

**Margaret Ellenora Wiggins**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Digital Cognitive Screeners in a Urological Perioperative Environment Examining How Surgery and Anesthesia Impact Cognition in Older Adults Undergoing TURBT

Dissertation Chair: C. E. Price

**Akemi Thakshila Wijayabahu**

Major: *Epidemiology*

Dissertation: Associations between Lifestyle and Dietary Factors, and Biomarkers of Biological Aging

Dissertation Chair: R. L. Cook

Dissertation Co-chair: V. Mai

**William Lloyd Wildberger Jr.**

Major: *Curriculum and Instruction*

Dissertation: Exploring College Students' Experiences with Mindfulness Technologies

Dissertation Chair: P. Antonenko

Dissertation Co-chair: K. M. Dawson

**Kathryn Michelle Williams**

Major: *Counseling and Counselor Education*

Dissertation: Experiences of Supervisors in the Field

Dissertation Chair: J. Swank

**Ronald Wilson**

Major: *Electrical and Computer Engineering*

Dissertation: Investigating the Viability of Reverse Engineering on Integrated Circuits for Hardware Assurance and Trust Using Scanning Electron Microscopy

Dissertation Chair: D. Woodard

**Easton N. Wollney**

Major: *Mass Communication*

Dissertation: Goals and Satisfaction with Clinician Communication in Triadic Encounters among Caregivers of Persons with Alzheimer's Disease and Related Dementias

Dissertation Chair: C. Bylund-Lincoln

Dissertation Co-chair: C. L. Fisher

**Val Wongsomboon**

Major: *Psychology*

Dissertation: Screening for Sexually Transmitted Infections: Integration of the Delay Discounting and Attitude Frameworks

Dissertation Chair: G. D. Webster

**Mario Perilo Worlds**

Major: *Curriculum and Instruction*

Dissertation: The Burdens My Brothers Bare: Examining the Negative Effects of Antiracism on Formerly Incarcerated Black Males' Literacy Education Experiences and Practices

Dissertation Chair: C. L. Busey

Dissertation Co-chair: D. Fu

**Alexis Maria Wormington**

Major: *Public Health*

Dissertation: Interactions between the Gastrointestinal System and Single-Walled Carbon Nanotubes in Fish: Effects on Gut Homeostasis and Bioavailability of Environmental Contaminants

Dissertation Chair: J. H. Bisesi, Jr.

**Jiayao Wu**

Major: *Higher Education Administration*

Dissertation: Decentralized Budgeting within Higher Education

Dissertation Chair: J. C. Ortagus

**Chao Xie**

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: Understanding the Olfactory Penetrance and the Signaling Mechanisms of Bardet-Biedl Syndrome

Dissertation Chair: J. R. Martens

**Man Xie**

Major: *Business Administration—Marketing*

Dissertation: Essays on Information and Consumer Decisions

Dissertation Chair: J. Xie

Dissertation Co-chair: S. M. Shugan

**Stephen Raymond Xie**

Major: *Materials Science and Engineering*

Dissertation: Exploration of Energy Landscapes and Superconductivity with DFT and Machine Learning

Dissertation Chair: R. Hennig

**Jin Xu**

Major: *Plant Pathology*

Dissertation: Explore Citrus Microbiome Using Metagenomic Approaches

Dissertation Chair: N. Wang

**Nan Xu**

Major: *Soil and Water Sciences*

Dissertation: Investigating the Application of Bagasse for Sugarcane Production in South Florida

Dissertation Chair: J. Bhadha

Dissertation Co-chair: R. S. Mylavarapu

**Xingjing Xu**

Major: *Design, Construction and Planning*

Dissertation: Exploring the Relationship between Traffic Fatalities and Economic Development

Dissertation Chair: I. Bejleri

**Swapnil Mukund Yadav**

Major: *Physics*

Dissertation: Random Matrix Theory and Transport in Mesoscopic Disordered Systems

Dissertation Chair: K. A. Muttalib



### **Bixuan Yang**

Major: *Food and Resource Economics*

Dissertation: Three Essays on China's Food Markets and Trade

Dissertation Chair: J. L. Anderson

Dissertation Co-chair: F. Asche

### **Eunjung Yang**

Major: *Health and Human Performance*

Dissertation: The Role of Tourism in Improving Community Resilience and Quality of Life

Dissertation Chair: J. W. Kim

### **Kai Yang**

Major: *Biostatistics*

Dissertation: Nonparametric Modeling and Monitoring of Spatio-Temporal Data with Covariates

Dissertation Chair: P. Qiu

### **Xiaozhi Yang**

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Design, Synthesis and Evaluation of PRMT5 Inhibitors

Dissertation Chair: C. Li

### **Juntao Yao**

Major: *Electrical and Computer Engineering*

Dissertation: Modeling and Reduction of Radiated Electromagnetic Interference in Power Converters

Dissertation Chair: S. Wang

### **Melina Yaraghchi**

Major: *School Psychology*

Dissertation: Examining the Relation between Stimulants and Development of Drug Addiction: A Meta-Analysis

Dissertation Chair: J. H. Kranzler

### **Sundara Ramakarthik Yarasuri**

Major: *Civil Engineering*

Dissertation: Enhancement and Validation of a Residential Infrastructure Hurricane Wind Vulnerability Model

Dissertation Chair: K. R. Gurley

### **Sungeun Yoon**

Major: *Food and Resource Economics*

Dissertation: Essays about the Influence of Environmental Concern on Consumer Behavior

Dissertation Chair: L. A. House

Dissertation Co-chair: Z. Gao

### **Luqing Yu**

Major: *Food and Resource Economics*

Dissertation: The Impact of Information Source, Information Content, and Information Context on Purchasing Behavior

Dissertation Chair: Z. Gao

### **Qin Yu**

Major: *Medical Sciences—Cancer Biology*

Dissertation: The Role of Natural Killer Cells in Gut Microbiota Mediated Pancreatic Cancer Progression

Dissertation Chair: R. M. Thomas

Dissertation Co-chair: C. Jobin

### **Federico Maximiliano Zegers Urrutia**

Major: *Mechanical Engineering*

Dissertation: Lyapunov-Based Control of Distributed Multi-Agent Systems with Intermittent Communication

Dissertation Chair: W. E. Dixon

### **Liang Zhai**

Major: *Design, Construction and Planning*

Dissertation: Predicting Reduction of Traffic Crashes during the Adoption of Level-5 Autonomous Vehicles

Dissertation Chair: I. Bejleri

Dissertation Co-chair: R. L. Steiner

**Hansi Zhang**

Major: *Medical Sciences—Biomedical Informatics*  
Dissertation: Semantic Data Integration of Health Information  
Dissertation Chair: J. Bian  
Dissertation Co-chair: W. Hogan

**Peiqi Zhang**

Major: *Plant Pathology*  
Dissertation: Characterization of Endohyphal Bacterium *Enterobacter* sp. Isolated from Soil Pathogen *Rhizoctonia solani*  
Dissertation Chair: F. F. White

**Ruoyang Zhang**

Major: *Statistics*  
Dissertation: Posterior Consistency of Continuous Shrinkage Priors in Multivariate Regression and Precision Matrix Estimation  
Dissertation Chair: M. Ghosh

**Tianyi Zhang**

Major: *Electrical and Computer Engineering*  
Dissertation: Radio Frequency Interference Mitigation for Ultra-Wideband Radar Systems  
Dissertation Chair: T. F. Wong

**Tong Zhang**

Major: *Industrial and Systems Engineering*  
Dissertation: Multistage Stochastic Unit Commitment and Convex Hull Pricing  
Dissertation Chair: Y. Guan

**Jianxin Zhao**

Major: *Plant Molecular and Cellular Biology*  
Dissertation: Characterization of Domestication-Associated Genetic Changes for Starch and Protein Accumulation in Seeds of the Common Bean  
Dissertation Chair: C. E. Vallejos

**Yunpeng Zhao**

Major: *Medical Sciences—Biomedical Informatics*  
Dissertation: Public Health Surveillance Using Social Media Data  
Dissertation Chair: J. Bian  
Dissertation Co-chair: Y. Guo

**Zifan Zhao**

Major: *Agronomy*  
Dissertation: Genetic and Transcriptomic Studies of Nodulation Process in Cultivated Peanut (*Arachis hypogaea* L.)  
Dissertation Chair: J. Wang

**Dong Zheng**

Major: *Electrical and Computer Engineering*  
Dissertation: An Integrated Dual Vertical MEMS Mirror and Its Application to Forward-Scan Endoscopic Optical Coherence Tomography  
Dissertation Chair: Y. K. Yoon

**Jiawen Zhu**

Major: *Curriculum and Instruction*  
Dissertation: Members' Perceptions and Participation in Informal Social Media-Based Learning Communities  
Dissertation Chair: K. M. Dawson

**Tierui Zou**

Major: *Electrical and Computer Engineering*  
Dissertation: Algorithms and Models for Smart Grid Cyber-Physical Systems Security Enhancement  
Dissertation Chair: A. S. Bretas

**Xunwu Zuo**

Major: *Physics*

Dissertation: A Search for the Standard Model Higgs Boson Decaying into Two Muons in the Vector Boson Associated Production Mode at the CMS Experiment

Dissertation Chair: D. E. Acosta

**Michael A. Zurek**

Major: *Anthropology*

Dissertation: Interpersonal Dynamics in Analog Environments and the Implications for Future Long-Duration Space Exploration: A Mixed Methods Approach to the Study of Group Dynamics in Isolated, Confined, and Controlled/Extreme Environments

Dissertation Chair: J. C. Johnson



# DOCTOR OF EDUCATION

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## **Roger S. Anacki**

Major: *Educational Leadership*

Dissertation: An Analysis of the Relationship between Elements of School Climate and Socioeconomic Status on Student Reading Achievement

Dissertation Chair: L. B. Eldridge

## **Stella DaCruz Arduser**

Major: *Educational Leadership*

Dissertation: Standing in the Gap: Strategies for Addressing African American Student Achievement during a Pandemic

Dissertation Chair: L. J. Searby

## **Kimberly J. Barcelona**

Major: *Educational Leadership*

Dissertation: Student Achievement Trends over Time in STEM and Non-STEM School Districts across the State of Connecticut

Dissertation Chair: F. C. Curran

## **Jerry Lawrence Block**

Major: *Curriculum and Instruction*

Dissertation: Preparing and Assessing High School Career Technical Education Students in Production and Managerial Arts for the Workforce: A Qualitative Study

Dissertation Chair: K. M. Dawson

## **Kathryn Anne Galloway**

Major: *Curriculum and Instruction*

Dissertation: Facilitating an Inquiry-Based PLC on Mindfulness: An Administrator's Practitioner Research Study

Dissertation Chair: A. J. Adams

## **Nikkia Renée Gumbs**

Major: *Higher Education Administration*

Dissertation: Truly Open Access: Experiences of Disability Service Providers Supporting Students with Significant Cognitive Disabilities in the Florida College System

Dissertation Chair: K. D. Peck Parrott

## **Brandon M. Johnson**

Major: *Educational Leadership*

Dissertation: A Re-Examination of the Typology of Assistant Principals' Career Paths

Dissertation Chair: L. J. Searby

## **Myung Hwoi Kuh**

Major: *Educational Leadership*

Dissertation: Perceptions of the Administrators and the PBIS Coaches on the Facilitating Factors and Barriers to PBIS Implementations

Dissertation Chair: L. J. Searby

Dissertation Co-chair: L. B. Eldridge

## **Erica Louise Mack**

Major: *Higher Education Administration*

Dissertation: Institutional Leaders' Perspectives on the Unintended Consequences of Performance Based Funding

Dissertation Chair: J. C. Ortagus

## **Noelle A. Mecoli**

Major: *Higher Education Administration*

Dissertation: Employment in the Time of Crisis: International Faculty and Recessionary Events in American Higher Education

Dissertation Chair: B. T. Skinner



**Lynne Skyler Valdes**

Major: *Higher Education Administration*

Dissertation: *Factors Impacting Success at a Community College Law Enforcement Academy and on the State Officer Certification Exam in Florida*

Dissertation Chair: C. Haynes

**Patrick James Walsh**

Major: *Educational Leadership*

Dissertation: *Charter Failure in New Orleans: Predictors of Closure in Recovery School District Charter Schools*

Dissertation Chair: L. B. Eldridge

**Nancy C. Wheat**

Major: *Curriculum and Instruction*

Dissertation: *Perceptions and Outcomes of an Online General Biology Course following a Teaching Presence-Focused Course Redesign*

Dissertation Chair: P. Antonenko



## DOCTOR OF BUSINESS ADMINISTRATION

Andres Alcantara  
Joseph Mawuli Atatsi  
Flavio Carrillo  
Patty Bishop Cooper  
Paulo Henrique Freitas da Silva

Michael Joseph Kaplan  
William Michael Lyle  
Kenneth Donald Najour  
Stoyanka Tanya Petrova

Jacob Emery Regier  
Myles Hampton Swann  
Roxanne Y. Valies  
Christian D. Wolfe  
Robert Zubic

## DOCTOR OF PLANT MEDICINE

Craig Joseph Frey

Nicholas C. Goltz  
Keir Oliver Hamilton

Brianna Marie Whitman

## PROFESSIONAL DEGREES

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### THE FREDRIC G. LEVIN COLLEGE OF LAW

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#### Dean Laura A. Rosenbury

#### JURIS DOCTOR

Ahmad Felo  
Jesse Clark Hubers

Nicholas Claiborne Moulton  
Juwan Daniel-Lee Parrish

Matthew R. Pina  
Amber Marie Zeuner

#### MASTER OF LAWS IN TAXATION

Jesse Clark Hubers

Jonathan R. Shakarisaz

## THE COLLEGE OF NURSING

---

#### Dean Anna M. McDaniel

#### DOCTOR OF NURSING PRACTICE

Abraham Ashton  
Mary Theresa Bilthuis  
Michelle Anne Buckley  
James Vance Cockerham III  
Danielle Nicole Cussins  
Kelsey Anne Davis  
Rebeca Mariana Sigüenza DeGaetano  
Amanda Elizabeth Dorr  
Daniella Louise Fonseca

Abigail Lomangcolob Gabriel  
Lauren Nuñez Gold  
Haylie Nicole Heller  
Devon Williamson Larkin  
Margaret MacLean Margretta  
Nikki Lynn Matos  
Michelle Tatiana Medina  
Natalie R. Mikulas  
Wendy A. Morris  
Caitlin Elizabeth Mosher

Rafina Rahim  
Rachel Christine Ralph  
Emily Nicole Reed  
Anthony Lee Roller  
Robin Angell Turinetti  
Meaghan Keane Wilson  
Yvette Yeung  
Margaret Mae Yorio  
Ashley M. Zawolik





## 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. 6 in U.S. News & World Report "Top Public Universities" (2020); No. 3 on the Forbes' list of Best Value Public Universities (2019); No. 6 in the New York Times list of universities that do the most to help low-income students (2015); No. 2 in Kiplinger's "Best Values in Public Colleges" (2017); No. 3 in the Milken Institute's Ranking of Best Universities for Technology Transfer.

### Faculty

- UF has more than 5,500 faculty members with distinguished records in teaching, research and service, including 37 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine or the American Academy of Arts and Sciences.
- Awards include three Pulitzer Prizes, NASA's top award for research, the Smithsonian Institution's conservation award and a Fields medal.

### Students

- Students admitted for the fall 2020 freshman class had an average 4.5 GPA, average SAT score of 1390, and an average ACT score of 31.
- The freshman retention rate of 97% is among the highest in the country.
- UF ranks 4th and 9th respectively in Latino and African American graduates who go on to receive doctorates in STEM fields. It is also ranked 1st in the nation in the number of African American female faculty in Engineering.
- Sixty-seven percent of UF full-time freshmen graduate in four years, and 88% of UF freshmen graduate within six years.

**UF**

2021 SUMMER  
COMMENCEMENT



## Chain of Office

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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

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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.



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## Diplomas

Diplomas will be mailed to the graduate's diploma mailing address in September 2021.



## Caps and Gowns, An Explanation

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The academic regalia worn by graduating students and faculty in this era 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 blue doctoral regalia also has velvet running on the rest of the gown, including crossbars on the sleeve. Colored tassels on the degree candidates' caps indicate a candidate's school or college.

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### **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**