

Commencement

UF | UNIVERSITY *of*
FLORIDA

THIS IS NOT AN OFFICIAL GRADUATION LIST

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

Commencement
SUMMER 2020



Greetings from the President

On behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of 2020.

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

This is a time 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 and analysis skills you honed as a doctoral student will serve you well. The complexity and global nature of today's professional opportunities demand nothing less.

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

Good luck, best wishes, and Go Gators!



W. Kent Fuchs



University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Building on many years of excellence and focused leadership, the university has reached its goal of joining the nation's top-ten public research universities.

Dr. Fuchs has set UF on a path to joining the top-five public research universities and becoming the nation's number one university for comprehensive excellence. UF is working toward those goals through the creation of 500 new faculty positions, the addition of advanced and beautiful university facilities and an ongoing \$3 billion fundraising campaign.

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

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

President Fuchs earned his doctorate in electrical and computer engineering from the University of Illinois, and a Master of Divinity from Trinity Evangelical Divinity School. He also holds a Bachelor of Science in Engineering from Duke University.

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



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State Board of Education

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Rahul Patel

Trevor J. Pope

Marsha D. Powers

Jason J. Rosenberg

Anita G. Zucker

President and Vice Presidents of the University

W. Kent Fuchs, Ph.D.

President

Joseph Glover, Ph.D.

Provost and Senior Vice President - Academic Affairs

Charles E. Lane, D.P.A.

Senior Vice President and Chief Operating Officer - Administration

David R. Nelson, M.D.

Senior Vice President - Health Affairs

J. Scott Angle, Ph.D.

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Elias G. Eldayrie, M.B.A.

Vice President and Chief Information Officer - Information Technology

Zina Evans, Ph.D.

Associate Provost and Vice President - Enrollment Management

Antonio Farias, M.F.A.

Chief Diversity Officer and Senior Advisor to the President

Jodi Gentry, M.A.

Vice President - Human Resource Services

Amy M. Hass, J.D.

Vice President - General Counsel

Mark E. Kaplan, J.D.

Vice President - Government and Community Relations

Thomas J. Mitchell, M.S.

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D’Andra Mull, Ph.D.

Vice President - Student Affairs

David Norton, Ph.D.

Vice President - Research

Nancy Paton, M.S.

Vice President for Strategic Communications and Marketing

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

Vice President - Business Affairs

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

Saby 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

Henry T. Frierson, Ph.D.

The Graduate School

Michael Reid, Ph.D.

College of Health and Human Performance

Nick Place, Ph.D.

IFAS Extension

Robert Gilbert, Ph.D.

IFAS Research

Leonardo Villalón, Ph.D.

International Center

Diane H. McFarlin, B.S.

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

J. Adrian Tyndall, M.D., M.P.H.

Interim, 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.

Interim, College of Veterinary Medicine

Judith C. Russell, M.S.

University Libraries

Heather White, Ph.D.

Dean of Students

2020 SUMMER
COMMENCEMENT

GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Kelsey S. Aadland

Major: *Microbiology and Cell Science*

Dissertation: Conservation of Early miRNA Biogenesis in Animal and Plant Lineages

Dissertation Chair: B. D. Kolaczowski

Kimberly Paige Boatright Abbott

Major: *Anthropology*

Dissertation: Repressed Memory of Slavery in Antebellum Plantation Sites: Writing against Whitewashing

Dissertation Chair: P. R. Schmidt

Dissertation Co-chair: M. J. Heckenberger

Stephanie M. Adams

Major: *Forest Resources and Conservation*

Dissertation: Effects of Paclobutrazol on the *Raffaelea lauricola*-*Persea* Pathosystem

Dissertation Chair: J. A. Smith

Saumitra Aditya

Major: *Electrical and Computer Engineering*

Dissertation: Software-Defined Overlay Network and Workload Orchestration in Social Network-Based Edge Infrastructure for Smart Communities

Dissertation Chair: R. J. Figueiredo

Natasha Marie Agramonte

Major: *Entomology and Nematology*

Dissertation: Neuroethology of Pyrethroid-Resistant *Aedes aegypti*: Toxicological Differences, Excito-Repellent Behaviors, and Electrophysiological Firing Response to Pyrethroid Insecticides

Dissertation Chair: J. R. Bloomquist

Dissertation Co-chair: U. R. Bernier

Niousha Ahmari

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Targeting Peripheral and Central Immune Changes in Obesity and Hypertension through Bone Marrow Beta-Adrenergic Blockade

Dissertation Chair: J. Zubcevic

Doruk Aksoy

Major: *Mechanical Engineering*

Dissertation: The Role of the Grain Boundary Structure on Segregation-Induced Embrittlement and Fracture in FCC Nickel

Dissertation Chair: D. Spearot

Matthew C. Albritton

Major: *Agricultural Education and Communication*

Dissertation: An Exploratory Investigation of an Integrated Skills Acquisition on Preservice Agriculture Teacher Proficiencies and Self Efficacies for Performing and Teaching Technical Agricultural Skills

Dissertation Chair: T. G. Roberts II

Morteza Alipanahrostami

Major: *Mechanical Engineering*

Dissertation: Development of Highly Permeable Water-Repellent and Omniphobic Membranes for Next Generation Membrane-Based Two-Phase Heat Sinks

Dissertation Chair: S. Moghaddam

Ala Shehdeh Alobeidyeen

Major: *Civil Engineering*

Dissertation: Flow Propagation Models in Transportation Networks

Dissertation Chair: A. Elefteriadou

Sulaiman K. Al-Qallaf

Major: *Chemical Engineering*

Dissertation: Offset Free Multivariable Predictive Control Design, Analysis, and Applications

Dissertation Chair: O. D. Crisalle

Hussain Meed Alqhtani

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Post-Myocardial Infarction Depression (PMD) among Privately Insured Persons in the US: Evidence from 2005-2015 Data

Dissertation Chair: V. Diaby

Manish Amin

Major: *Physics*

Dissertation: Advancements in Diffusion Weighted Imaging Acquisition and Analysis

Dissertation Chair: T. H. Mareci

David Merrill Anderson

Major: *Zoology*

Dissertation: Broad Scale Perspectives on the Interplay between Life History and Population Ecology

Dissertation Chair: J. F. Gillooly

Jesse D. Anderson

Major: *Design, Construction and Planning*

Dissertation: The Political Efficacy of Informal Settlements in Patna, Bihar

Dissertation Chair: A. Alakshendra

Wesley Michael Anderson

Major: *Wildlife Ecology and Conservation*

Dissertation: Impacts of an Invasive Ecosystem Engineer upon Wetlands and Aquatic Communities across a Subtropical Agroecosystem

Dissertation Chair: R. K. Boughton

Stephen Michael Apple

Major: *Aerospace Engineering*

Dissertation: Design and Performance Characterization of a New LISA-Like Gravitational Reference Sensor Test Bed Using the UF Torsion Pendulum

Dissertation Chair: J. Conklin

Jose A. Arce-Cordero

Major: *Animal Sciences*

Dissertation: Using Dual-Flow Continuous Culture System to Evaluate Ruminant Fermentation Responses to Micronutrients Supplementation

Dissertation Chair: A. Faciola

Lucas Hunter Armitage

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Regulation of Innate Immune Cell Function and Dysfunction by *PTPN22* Allotypes

Dissertation Chair: C. E. Mathews

Kendra P. Auguste-Vincent

Major: *Mass Communication*

Dissertation: Improving Media Literacy: An In-Depth Look at Consumer Perspectives of Weight-Loss Supplement Advertisements on Instagram

Dissertation Chair: D. M. Treise

Ori R. Baber

Major: *Health and Human Performance*

Dissertation: Integrating Supply-Side Characteristics into Proximity-Based Evaluations of Access to Community Recreation Facilities

Dissertation Chair: H. J. Gibson

Olivia A. Bailey

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Type 1 Diabetes Prevention: A Novel Combinatorial Therapy Utilizing Immune Depletion with Induction of Oral Tolerance to Proinsulin

Dissertation Chair: M. A. Atkinson

Christopher A. Baker

Major: *Food Science*

Dissertation: The Prevalence and Concentration of Shiga Toxin-Producing *Escherichia coli* in Bovine Manure and Its Survival in Soil

Dissertation Chair: K. R. Schneider

Guita Banan

Major: *Physics*

Dissertation: Development of a Multiband Magnetic Resonance Electrical Impedance Tomography Technique

Dissertation Chair: T. H. Mareci

Kamaldeep Kaur Bansal

Major: *Plant Pathology*

Dissertation: Comparative Genomics and Transcriptomics of the Pollen-Mimicking Floral Infection of Blueberry by *Monilinia vaccinii-corymbosi*

Dissertation Chair: J. A. Rollins

Angel Antonio Barbosa Espitia

Major: *Geology*

Dissertation: The Accretion of the Panama Arc to the Northern Andes: Geographic Extension, Magmatic and Exhumation Response of the Continental Margin

Dissertation Chair: D. A. Foster

Enrico Rey Barrozo

Major: *Genetics and Genomics*

Dissertation: Defining Herpes Simplex Virus 1 Latency One Cell at a Time

Dissertation Chair: D. C. Bloom

Srimayee Basu

Major: *English*

Dissertation: Fugitives, Travelers, Émigrés: The Carceral Subjects of the Long Nineteenth-Century Black Atlantic

Dissertation Chair: J. R. Schorb

Maria Juliana Bedoya Duran

Major: *Interdisciplinary Ecology*

Dissertation: Privately Protected Areas and the Conservation of Medium and Large Mammals and Ground Birds in Western Andes of Colombia

Dissertation Chair: L. C. Branch

Marion Marler Bendixen

Major: *Nursing Sciences*

Dissertation: Lactation Success in Mothers of Critically Ill Infants

Dissertation Chair: L. A. Parker

Adam R. Benjamin

Major: *Forest Resources and Conservation*

Dissertation: Improving Structure from Motion Photogrammetry Mapping Operations through Efficiency and Accuracy Analysis

Dissertation Chair: H. H. Hochmair

Samuel Joseph Berens

Major: *Chemical Engineering*

Dissertation: Fundamental Understanding of Diffusion Properties in Membranes and Molecular Sieves by High Field Diffusion NMR

Dissertation Chair: S. Vasenkov

Benjamin Leonard Berey

Major: *Health and Human Performance*

Dissertation: Relations between Impulsivity and Subjective Response with Ramifications for Alcohol Outcomes

Dissertation Chair: R. F. Leeman

Shaheen Bibi

Major: *Plant Pathology*

Dissertation: Role of Metals in Plant-Microbe Interaction

Dissertation Chair: J. B. Jones

Dissertation Co-chair: G. S. Ali

Waleed Abdulrahman Z. Bin Masoud

Major: *Agricultural and Biological Engineering*

Dissertation: Improving the Efficiency to Cool Greenhouses through the Use of a Liquid Desiccant and Regeneration System

Dissertation Chair: M. J. Correll

Dissertation Co-chair: R. A. Bucklin

Alexandra Jane Binney

Major: *School Psychology*

Dissertation: The Relationship between Student Perceptions of School Climate and Office Discipline Referrals across the Transition to Middle School

Dissertation Chair: D. J. Beaulieu

Dissertation Co-chair: J. D. Splett

Shelby L. Blaes

Major: *Medical Sciences—Neuroscience*

Dissertation: Effects of Dopamine on Risky Decision Making

Dissertation Chair: B. Setlow

Dissertation Co-chair: J. L. Bizon

Jeremiah J. Blanchard

Major: *Computer Engineering*

Dissertation: Building Bridges: The Impact of Dual-Modality Instruction in Introductory Programming Coursework

Dissertation Chair: L. Anthony

Dissertation Co-chair: C. Gardner-McCune

Ellen Kathleen Bledsoe

Major: *Interdisciplinary Ecology*

Dissertation: The Role of Patch- and Landscape-Level Processes in Shaping Desert Rodent Communities

Dissertation Chair: S. K. Ernest

Charlotte Allison Bolch

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Data Scientists' Epistemic Thinking for Creating and Interpreting Visualizations

Dissertation Chair: K. J. Crippen

Gregory H. Bontrager

Major: *Linguistics*

Dissertation: Effect of Orthographic Depth on Reading in English and Spanish

Dissertation Chair: C. R. Wiltshire

Wesley Williams Boone IV

Major: *Wildlife Ecology and Conservation*

Dissertation: Ecology and Population Genetics of Marsh Rice Rats and Hispid Cotton Rats on Near-Shore Islands

Dissertation Chair: R. A. McCleery

Dissertation Co-chair: J. D. Austin

Rodrigo Borba Onofre

Major: *Plant Pathology*

Dissertation: Single-Site Fungicide Alternatives for Management of Strawberry Powdery Mildew

Dissertation Chair: N. A. Peres Lauretti

Jasmine Danielle Bowers

Major: *Computer Science*

Dissertation: On the Privacy and Security of Digital Finance Applications

Dissertation Chair: P. Traynor

Emily Faith Brooks

Major: *English*

Dissertation: The Unique Codex Digitization Project: Treasuring the Materiality of Books in Fourth-Wave Digital Humanities

Dissertation Chair: S. I. Dobrin

Justin L. Brown

Major: *Medical Sciences— Medical Physics*

Dissertation: Advancements in the Computation of Patient Organ Dose in Medical Radiation Exposures

Dissertation Chair: W. E. Bolch

Chesya Burke

Major: *English*

Dissertation: #Hashtag, Black Girl Magic: Reimagining Black Women Fluid Artists within the Spirituality of Womanism

Dissertation Chair: D. W. King

Breanna Kierspe Burkes

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: The Impact of Long and Short Wnt5A Isoforms in Ovarian Cancer

Dissertation Chair: S. Huang

Jackson Nathanael Cagle

Major: *Biomedical Engineering*

Dissertation: Improved Deep Brain Stimulation Therapy for Treatment of Tourette Syndrome

Dissertation Chair: A. Gunduz

Christina Maria Callicott

Major: *Anthropology*

Dissertation: Music, Plants, and Medicine: Lamista Shamanism in the Age of Internationalization

Dissertation Chair: C. M. Tucker

Patrick H. Carey IV

Major: *Chemical Engineering*

Dissertation: Study on Antibacterial Coatings, Ga₂O₃ and AlGa_N/Ga_N Based Device Fabrication and Characterization

Dissertation Chair: F. Ren

Stephanie Tanna Carnell

Major: *Human-Centered Computing*

Dissertation: Using Virtual Human Scenarios to Study and Improve Communication Skills Learners' Message Production

Dissertation Chair: B. Lok

Jack A. Causseaux

Major: *Agricultural Education and Communication*

Dissertation: Leader Courage when Addressing Problem Behaviors in Agricultural Fraternities

Dissertation Chair: N. L. Stedman

Nicholas David Cavallaro

Major: *Agricultural and Biological Engineering*

Dissertation: Laser Carbonized Biosensors for Point of Use Detection of *Listeria monocytogenes*

Dissertation Chair: E. McLamore

Mehmet Celepkolu

Major: *Computer Science*

Dissertation: Computational Dialogue Analysis and Visualizations to Empower Children to Reflect on Their Collaborative Dialogue

Dissertation Chair: K. Boyer

Subodha Charles

Major: *Computer Science*

Dissertation: Design of Secure and Trustworthy Network-On-Chip Architectures

Dissertation Chair: P. K. Mishra

Lisha Chen

Major: *Design, Construction and Planning*

Dissertation: Integration of Terrestrial Laser Scanning and Close-Range Photogrammetry for Documenting Built Heritage

Dissertation Chair: R. R. Issa

Pingjun Chen

Major: *Biomedical Engineering*

Dissertation: Thyroid Nodule Frozen Section Whole Slide Image Diagnosis with Deep Representation

Dissertation Chair: C. E. Schmidt

Dissertation Co-chair: P. D. Gader

Jessica L. Chitwood-Brown

Major: *Horticultural Sciences*

Minor: *Plant Pathology*

Dissertation: Improving Resistance to Fusarium Wilt Race 3 of Tomato (*Solanum lycopersicum*)

Dissertation Chair: S. F. Hutton

Hyunjun Choe

Major: *Chemistry*

Dissertation: Uncovering and Improving the Substrate Range of Serine Palmitoyltransferase

Dissertation Chair: J. D. Stewart

Sreeja Chowdhury

Major: *Electrical and Computer Engineering*

Dissertation: Counterfeit Detection Methodologies for Analog, Mixed Signal, and Reconfigurable Circuits

Dissertation Chair: D. J. Forte

Hung-Wen Chung

Major: *Civil Engineering*

Dissertation: Effects of Reduced Paste Volume on Portland Limestone Cement Concrete

Dissertation Chair: M. Tia

Peter McNeil Chutcharavan

Major: *Geology*

Dissertation: Ice Sheet Histories and Sea-Level Change during the Last Interglacial and Termination I Inferred from Fossil Corals: An Interdisciplinary Approach

Dissertation Chair: E. E. Martin

Marissa Carmae Ciesla

Major: *Medical Sciences—Neuroscience*

Dissertation: Serotonergic Innervation of Respiratory and Non-Respiratory Motor Nuclei after Cervical Spinal Cord Injury

Dissertation Chair: G. S. Mitchell

Dissertation Co-chair: E. J. Gonzalez-Rothi

Lauren Anne Cirino

Major: *Entomology and Nematology*

Dissertation: Consequences of Environmental Heterogeneity on Reproductive Output in the Leaf-footed Cactus Bug, *Narnia femorata* (Hemiptera: Coreidae)

Dissertation Chair: C. W. Miller

Kyle Austin Clavier

Major: *Environmental Engineering Sciences*

Dissertation: Advancing the Beneficial Use of Waste Incineration Residues through Technical Evaluation of Policy Drivers and Application as a Cement Kiln Feed

Dissertation Chair: T. G. Townsend

Leah Corinne Cobb Lee

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Interactions between Stress, Competition, and Clonal Diversity of *Juncus roemerianus* (Scheele) Populations along the Florida Gulf Coast

Dissertation Chair: C. R. Adams

Samantha W. Coberly

Major: *Anthropology*

Dissertation: Broken Hearts and Broken Ribs: An Examination of Gunshot Wounds to the Neck and Torso

Dissertation Chair: J. Krigbaum

Conrad R. Cole

Major: *Mechanical Engineering*

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

Dissertation Chair: D. W. Hahn

Dissertation Co-chair: C. Taylor

Raquel Framil Concepcion

Major: *School Psychology*

Dissertation: Critical Events which Contribute to the Evolution of Teacher Candidates' Professional Identity

Dissertation Chair: T. M. Smith-Bonahue

Binyamin Cooper

Major: *Business Administration—Management*

Dissertation: Exploring Workplace Remedies to Buffer Rudeness' Negative Outcomes

Dissertation Chair: A. Erez

Bryan Lawrence Danson

Major: *Fisheries and Aquatic Sciences*

Dissertation: Spawning Characteristics and Juvenile Development of Two Species of Popular Loricariidae Catfishes, *Otocinclus vittatus* and *Panaqolus maccus*

Dissertation Chair: C. L. Ohs

Thi Nguyet Minh Dao

Major: *Plant Pathology*

Dissertation: Exploiting *Citrus tristeza virus* Intraviral Interactome to Study Virus Pathogenicity and Plant-Virus Interactions

Dissertation Chair: S. Y. Folimonova

Laura Das Neves Patterson Rosa

Major: *Animal Sciences*

Dissertation: Leveraging Omics to Unravel Complex Health Conditions in the Horse

Dissertation Chair: S. A. Brooks

Miriam Evelyn Dennis

Major: *Aerospace Engineering*

Dissertation: Computational Method for Optimal Guidance and Control with Application to Low-Altitude Skid-to-Turn Vehicle

Dissertation Chair: A. Rao

Stephanie Ann Dhuman Giron

Major: *Sociology*

Dissertation: Fusions and Fault-Lines: Puerto Rican Experiences in a Florida Community

Dissertation Chair: N. Vargas

Adrian Diaz

Major: *Aerospace Engineering*

Dissertation: A Concurrent Atomistic-Continuum Method for Massively Parallel Simulation of Non-Equilibrium Solids

Dissertation Chair: Y. Chen

Alec F. Dinnin

Major: *Political Science*

Dissertation: Democracy and Disorientation: José Ortega y Gasset's Post-Imperial Liberalism

Dissertation Chair: D. O'Neill

Dissertation Co-chair: S. Klein

Christopher Aaron Discenza

Major: *Coastal and Oceanographic Engineering*

Dissertation: Wave Turbulence of Edge Waves

Dissertation Chair: A. A. Sheremet

Brittney Nicole Dixon

Major: *Public Health*

Dissertation: The Association between the Built Environment and Intervention-Related Weight Loss Outcomes for Rural Adults with Obesity

Dissertation Chair: K. M. Ross

Erica E. Dolinting

Major: *Health and Human Performance*

Dissertation: Appeals on Giving and Information Sharing Behaviors in Charity Events: The Roles of Trust Propensity and Elevation

Dissertation Chair: Y. J. Ko

Ting Dong

Major: *Mechanical Engineering*

Dissertation: Practical Application of Structural Health Monitoring to Aircraft Maintenance, Prognostics and Design Modification

Dissertation Chair: N. H. Kim

Theodore Tzvetanov Drashansky

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Bcl11b in the Control of Regulatory T and Mucosal Associated Invariant T Cell Programs

Dissertation Chair: D. Avram

Alexandros Dritsoulas

Major: *Entomology and Nematology*

Dissertation: The Occurrence of Entomopathogenic Nematodes and their Natural Enemies in Greek Citrus Orchards

Dissertation Chair: L. W. Duncan

Lisa G. Duffy

Major: *Anthropology*

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

Dissertation Chair: K. F. Emery

Katie M. Dunleavy

Major: *Chemistry*

Dissertation: Probing Conformational Dynamics and Hydration Properties of IA₃, an Intrinsically Disordered Protein

Dissertation Chair: G. E. Fanucci

Allison Laurel Durland Donahou

Major: *Interdisciplinary Ecology*

Dissertation: Effects of Domestication on the Guppy *Poecilia reticulata* with Implications for Invasiveness

Dissertation Chair: J. E. Hill

Kyle A. Dyson

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Towards Effective Immunotherapy for Medulloblastoma

Dissertation Chair: D. Mitchell

Chandra Earl

Major: *Genetics and Genomics*

Dissertation: Tools for Biodiversity Analyses Using Natural History Collections and Repositories: Data Mining, Machine Learning and Phylodiversity

Dissertation Chair: R. P. Guralnick

Dissertation Co-chair: A. Kawahara

Ricardo Eiris Pereira

Major: *Design, Construction and Planning*

Dissertation: iVisit: Using 360-Degree Interactive Digital Sites to Practice Problem-Solving and Collaboration within Complex Spatiotemporal Contexts

Dissertation Chair: M. Gheisari

Dissertation Co-chair: R. R. Issa

Amy Lynn Elliott

Major: *Epidemiology*

Dissertation: Racial/Ethnic and Area Deprivation Disparities in the Juvenile Justice Drug and Alcohol Use Services Cascade

Dissertation Chair: L. B. Cottler

Sarah V. Ellison

Major: *Materials Science and Engineering*

Dissertation: Establishing the Fundamentals of Tissue Manufacturing

Dissertation Chair: T. E. Angelini

Jessica W. England

Major: *Counseling Psychology*

Dissertation: Connecting Marginalization and Economic Constraints with Academic and Career Development in First-Generation Students: A Qualitative Study

Dissertation Chair: R. D. Duffy

Kaitlyn F. Erhardt

Major: *Psychology*

Dissertation: Children's Perspectives of Diverse Family Structures

Dissertation Chair: M. J. Farrar

Peixin Fan

Major: *Animal Sciences*

Dissertation: Unravelling the Host and Environmental Effects on Gut Microbiota and Its Impact on Animal Growth and Gut Resistome

Dissertation Chair: K. C. Jeong

Yingkai Fang

Major: *Food and Resource Economics*

Dissertation: Three Essays on Sustainable Fisheries Management: Can Market-Based Approaches Make a Difference?

Dissertation Chair: F. Asche

Janet E. Finlayson

Major: *Anthropology*

Dissertation: The Anatomical Variation of Corresponding Joint Surface Congruency and Its Utility for the Sorting of Commingled Human Remains

Dissertation Chair: J. Krigbaum

Daniel Fisher

Major: *Psychology*

Dissertation: Early Childhood Executive Function in the Democratic Republic of the Congo

Dissertation Chair: D. Kertes

Tiffany Leigh Fisher

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Roles and Preparedness in Multi-Tiered Systems of Support: A Survey of Florida Elementary Special Educators

Dissertation Chair: P. T. Sindelar

Alinka Leila Földesi-Freeman

Major: *Nursing Sciences*

Dissertation: HIV-Related Stigma and Medication Adherence: A Rural-Urban-Suburban Comparison Using Secondary Data from a Florida Cohort Survey

Dissertation Chair: J. R. Stacciarini

Farhaan Fowze

Major: *Electrical and Computer Engineering*

Dissertation: Domain Informed Firmware Analysis for Internet of Things (IoT) Security

Dissertation Chair: T. Yavuz

Ian Reynolds Frazier

Major: *Psychology*

Dissertation: Trust-Related Decision Making and Aging

Dissertation Chair: N. C. Ebner

Amanda N. Friend

Major: *Anthropology*

Dissertation: Florida Caribbean Migrant Deaths: A Multi-Isotope Approach to Detection

Dissertation Chair: J. Krigbaum

Tessa Marie Frohe

Major: *Health and Human Performance*

Dissertation: Attention Training on Smartphones (ATS) Study

Dissertation Chair: R. F. Leeman

Michele Lisa Fullarton

Major: *Materials Science and Engineering*

Dissertation: Thermodynamics and Charged Defects in Nuclear Alloys and Semiconductor Materials from First-Principles Calculations

Dissertation Chair: S. R. Phillpot

Kareem Ahmed Galal

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Synthesis and Biological Evaluation of Optimized Analogues of Benzyl Piperidine Based Neuropeptide FF Receptor Ligands

Dissertation Chair: C. R. McCurdy

Madeline Benson Gangnes

Major: *English*

Dissertation: Thinking Periodically: Late-Victorian Serialized Fiction and the Digital Archive

Dissertation Chair: T. A. Harpold

Ming Gao

Major: *Chemical Engineering*

Dissertation: A Mathematical Model for Electrochemical Impedance Response of Continuous Glucose Sensor

Dissertation Chair: M. E. Orazem

Yujing Gao

Major: *Agricultural and Biological Engineering*

Dissertation: Quantification of Prediction Uncertainty of Rice Simulation Models: Using Rice Phenology Prediction as the Example

Dissertation Chair: G. Hoogenboom

Mariana Eloisa Garcia Ascolani

Major: *Animal Sciences*

Dissertation: Evaluation of Nutritional Strategies to Mitigate Enteric Methane Emissions from Beef Cattle Consuming High-Fiber Diets

Dissertation Chair: N. DiLorenzo

Drake Mitchel Ginter Garner

Major: *Plant Molecular and Cellular Biology*

Dissertation: Understanding How Environmental Treatments Affect Floral Volatiles, Investigating Possible Commercial Applications, and Bringing Modern Science into Education

Dissertation Chair: T. A. Colquhoun

Dissertation Co-chair: K. M. Folta

Fabio Garofalo Sasahara

Major: *Civil Engineering*

Dissertation: Evaluation of Queue Spillback on Freeway Ramp Bottlenecks

Dissertation Chair: A. Elefteriadou

Marlene Evelyn Garzona

Major: *School Psychology*

Dissertation: Predictors of Service Utilization among College Students with Disordered Eating

Dissertation Chair: D. J. Beaulieu

Tamal Ghosh

Major: *Statistics*

Dissertation: On Some Contributions to Loss Robustness and Small Area Estimation

Dissertation Chair: M. Ghosh

Dissertation Co-chair: K. Khare

Nicole Marie Gibson

Major: *School Psychology*

Dissertation: Stability of Social-Emotional Universal Screening Scores and Classes of Functioning across the Transition to Middle School

Dissertation Chair: D. J. Beaulieu

Dissertation Co-chair: J. D. Splett

Kacey Lee Gilbert

Major: *School Psychology*

Dissertation: Equivalency of the Traditional and Q-Interactive Administration Formats of the WISC-V: Results of an Independent Study

Dissertation Chair: J. H. Kranzler

Melissa Sarah Gluck

Major: *Counseling Psychology*

Dissertation: Does Adult Attachment Style Predict Intimacy with a Person with Dark Triad Personality Traits

Dissertation Chair: M. Heesacker

Kissel J. Goldman

Major: *Psychology*

Dissertation: Similar and Dissimilar Competing Responses in the Treatment of Tics: An Analysis of Efficacy, Interference with Ongoing Activity, and Social Acceptability

Dissertation Chair: I. G. De Leon

Demián Fernando Gómez Damiano

Major: *Forest Resources and Conservation*

Dissertation: *Invasive Bark and Ambrosia Beetles, Preparing for the Future*

Dissertation Chair: J. Hulcr

Melissa Gonzalez

Major: *School Psychology*

Dissertation: *Lived Experiences of the Diagnostic Process and Symptom Interpretation among Latino Parents with a Child with Autism Spectrum Disorder*

Dissertation Chair: T. M. Smith-Bonahue

Eliza Lee Gordon

Major: *Psychology—Clinical and Health Psychology*

Dissertation: *Longitudinal Changes in Food Addiction Symptoms, Problem Food Consumption, and Body Weight among Adults in a Behavioral Weight Loss Program*

Dissertation Chair: M. G. Perri

Harlan M. Gough

Major: *Zoology*

Dissertation: *Evolution of Anti-Bat Strategies in Tiger Beetles*

Dissertation Chair: A. Kawahara

Timothy A. Gowan

Major: *Wildlife Ecology and Conservation*

Minor: *Fisheries and Aquatic Sciences*

Dissertation: *Estimating Demographic Parameters for Marine Mammal Populations Using Hierarchical Capture-Recapture Models*

Dissertation Chair: W. E. Pine III

Dissertation Co-chair: J. Martin

Nicolette Marie Grasley-Boy

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: *A Conceptual Replication of Targeted Professional Development to Increase Teachers' Behavior Specific Praise*

Dissertation Chair: N. A. Gage

Tyler L. Grimes

Major: *Biostatistics*

Dissertation: *Some Contributions to the Differential Network Analysis of -Omics Data*

Dissertation Chair: S. Datta

Aishwarya Gurumurthy

Major: *Genetics and Genomics*

Dissertation: *The Role of Enhancer RNA and Integrator in Locus Control Region Mediated Regulation of Beta Globin Gene Expression*

Dissertation Chair: J. Bungert

Andrew Giles Guzick

Major: *Psychology—Clinical and Health Psychology*

Dissertation: *Expectations of Distress during Exposure and Response Prevention for Children and Adolescents with Obsessive-Compulsive Disorder*

Dissertation Chair: J. P. McNamara

Dissertation Co-chair: D. Janicke

Andrea Elizabeth Hall

Major: *Mass Communication*

Dissertation: *Celebrity Media: Exploring How Interest and Engagement with Celebrities Influences Critical Evaluation of Feminine Stereotypes among Emerging Adult Women*

Dissertation Chair: W. M. Wanta

Yu Han

Major: *Design, Construction and Planning*

Dissertation: Coastal Flooding Risk Evaluation and Adaptation under Sea Level Rise

Dissertation Chair: Z. Peng

Tyler James Hatchel

Major: *Counseling Psychology*

Dissertation: Suicidal Thoughts and Behaviors among LGBTQ Youth: Meta-Analyses and Systematic Review

Dissertation Chair: D. Espelage

Kirsten A. Hecht

Major: *Interdisciplinary Ecology*

Dissertation: A Mixed-Methods Investigation of Public Engagement Activities by Herpetologists

Dissertation Chair: K. A. Stofer

Dissertation Co-chair: M. A. Nickerson

Lauren Michael Henry

Major: *Criminology, Law, and Society*

Dissertation: Prosecutorial Sexual Assault Case Declination in Indian Country: A Legal Theory Consideration

Dissertation Chair: L. M. Lanza Kaduce

Grant Haydock Hernandez

Major: *Computer Engineering*

Dissertation: Leveraging Domain Knowledge to Enable and Scale Firmware Security Testing

Dissertation Chair: K. Butler

Floyd W. Hilty III

Major: *Materials Science and Engineering*

Dissertation: Microstructural Impact on the Thermal Conductivity of Materials

Dissertation Chair: M. Tonks

Katie Rose Hooker

Major: *Wildlife Ecology and Conservation*

Dissertation: Factors Influencing Two Sympatric Primary Consumer Species

Dissertation Chair: R. A. McCleery

Tamzidul Hoque

Major: *Electrical and Computer Engineering*

Dissertation: IP Trust Assurance through Design and Runtime Solutions

Dissertation Chair: S. Bhunia

Zachary M. Houck

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Concussion Profiles: Criteria, Prevalence, Risk Factors, and Association with Cognitive Functioning

Dissertation Chair: R. M. Bauer

Dissertation Co-chair: W. M. Perlstein

Tony Harvey Hughes

Major: *Entomology and Nematology*

Dissertation: Ground-Dwelling Ant (Hymenoptera: Formicidae) Diversity and Functional Composition in Relation to Vegetation and Habitat Quality of Protected Longleaf Pine Forests in Florida Sandhills

Dissertation Chair: P. G. Koehler

Joonghyun Hwang

Major: *Food and Resource Economics*

Dissertation: Revealed and Stated Preference Methods to Value Natural Resources: Applications of Travel Cost and Contingent Valuation Methods

Dissertation Chair: X. Bi

Dissertation Co-chair: Z. Gao

Maira Irigaray

Major: *Geography*

Dissertation: Indigenous Resistance within Cycles of Contention in the Amazon Rainforest and the Struggle for Social Justice: The Ipereğ Ayû Movement of the *Munduruku* People

Dissertation Chair: C. S. Simmons

Arjun Iyer

Major: *Psychology*

Dissertation: Connecting the Constructs: The Relationship between Theory of Mind, Language, and Moral Development

Dissertation Chair: M. J. Farrar

Johanna Ruth Jantzen

Major: *Botany*

Dissertation: Evolution of Neotropical *Tibouchina sensu stricto* (Melastomataceae)

Dissertation Chair: P. S. Soltis

Dissertation Co-chair: D. E. Soltis

David Mirabedini Jaramillo

Major: *Agronomy*

Dissertation: Nutrient Cycling, Greenhouse Gas Emissions, and Water Footprint in Grass or Grass-Legume Mixed Grazing Systems

Dissertation Chair: J. C. Dubeux

Dissertation Co-chair: N. DiLorenzo

Xinyi Jiang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: The Cascade of Hepatitis C Virus Care among Individuals with a Substance Use Disorder

Dissertation Chair: H. Park

Hailey A. Johnson

Major: *Geology*

Minor: *Curriculum and Instruction*

Minor: *Electrical and Computer Engineering*

Dissertation: Reusable Geoscientific Software Design and Applications in Coastal Morphology Research and Education

Dissertation Chair: P. N. Adams

Dissertation Co-chair: J. A. Fortes

Andrew S. Jones

Major: *Chemical Engineering*

Dissertation: Doped Rare-Earth Oxides for the Oxidative Coupling of Methane

Dissertation Chair: H. E. Hagelin Weaver

Rachel Keil

Major: *Aerospace Engineering*

Dissertation: Solving Chance Constrained Optimal Control Problems Using Biased Kernel Density Estimators

Dissertation Chair: A. Rao

Kelly Lee Kelly

Major: *Mass Communication*

Dissertation: News Media Coverage of the Transcendental Meditation Movement: Evolution of Frames from 1967–2019

Dissertation Chair: W. M. Wanta

Roozbeh Ketabi

Major: *Computer Engineering*

Dissertation: Enabling Urban-Scale Simulation, Similarity, Matching, and Forecasting Applications Using Spatio-Temporal Analysis of Vehicular Mobility

Dissertation Chair: A. A. Helmy

Jahangir Khan

Major: *Agronomy*

Dissertation: Deciphering the Genetic Architecture of Spike Fertility, Spike Harvest Index and Complex Physiological Mechanisms to Increase Harvest Index, Yield and Prediction Accuracy in US Soft Wheat under High and Moderate Stress Environments

Dissertation Chair: M. A. Babar

Dooyoung Kim

Major: *Electrical and Computer Engineering*

Dissertation: Analysis of Conjugate Lightning-Induced Electron Precipitation Events Using the VLF Remote Sensing Method

Dissertation Chair: R. C. Moore

Ja Young Kim

Major: *Communication Sciences and Disorders*

Dissertation: Primary Site of Constriction during the Compression Phase of Cough in Healthy Young Adults

Dissertation Chair: K. W. Hegland

Kwanmok Kim

Major: *Interdisciplinary Ecology*

Dissertation: How Does Structural Complexity Affect Species Composition?

Dissertation Chair: P. C. Frederick

Lily Kirk

Major: *Interdisciplinary Ecology*

Dissertation: Metabolism in Subtropical Lowland Rivers

Dissertation Chair: M. J. Cohen

Ryan William Klein

Major: *Horticultural Sciences*

Dissertation: Validating Tree Risk Assessments: The Impact of Risk Perception, Professional Experience, and Industry Accreditation

Dissertation Chair: A. K. Koeser

Dissertation Co-chair: G. M. Hansen De Chapman

Emily J. Koller

Major: *Medical Sciences—Neuroscience*

Dissertation: Investigating How Tau Alters the Brain in Alzheimer's Amyloidosis Mouse Models and Wild Type Mice

Dissertation Chair: P. Chakrabarty

Dissertation Co-chair: J. M. Lewis

Sara J. Komenda

Major: *Forest Resources and Conservation*

Dissertation: Exploring the Use of Smart Irrigation Systems for Residential Water Conservation

Dissertation Chair: M. C. Monroe

Abhishek Kumar

Major: *Physics*

Dissertation: Dynamical and Transport Properties of Certain Correlated Electron Systems

Dissertation Chair: D. Maslov

Chankyu Lee

Major: *Design, Construction and Planning*

Dissertation: Integration of Building Information Modeling (BIM) and 3D Printing for Rationalization of Free-Form Construction

Dissertation Chair: R. R. Issa

Kangjae Lee

Major: *Mechanical Engineering*

Dissertation: A Laser-Based Heating System Coupled with in-operando Raman Spectroscopy for Studying Solar Thermochemical Redox Cycles of Ceria and LSM Perovskites

Dissertation Chair: J. Scheffe

Kyulim Lee

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Investigation of Probiotic Mechanisms of Action of *Streptococcus* Sp. A12

Dissertation Chair: R. A. Burne Jr.

Minji Lee

Major: *Statistics*

Dissertation: A Bayesian Approach to Envelopes

Dissertation Chair: Z. Su

Sangyoul Lee

Major: *Food and Resource Economics*

Dissertation: The Unintended Consequences of Environmental Regulation and Voluntary Pollution Prevention Program: Substitution, Leakage, and Spillovers

Dissertation Chair: X. Bi

Shuzhan Li

Major: *Curriculum and Instruction*

Dissertation: Rural Mainstream Elementary Teacher Identity in Teaching English Language Learners

Dissertation Chair: M. R. Coady

Yang Li

Major: *Mechanical Engineering*

Dissertation: A Multiscale Simulation Study of PbTe-PbSe Heterostructures from Growth to Defect Formation to Phonon Transport

Dissertation Chair: Y. Chen

Jisok Lim

Major: *Health and Human Performance*

Dissertation: Influence of Female Sex Hormones on the Acute Vascular Effects of Aerobic Exercise in Young Premenopausal Women

Dissertation Chair: D. D. Christou

Carly N. Logan

Major: *Psychology*

Dissertation: Regulators of Nucleus Accumbens Core Glutamate Efflux and the Reinstatement of Cocaine-Seeking

Dissertation Chair: L. Knackstedt

Jasmine Lopez

Major: *Horticultural Sciences*

Dissertation: Discovery, Fine Mapping, and Characterization of Graywall Resistance Loci in Tomato

Dissertation Chair: S. F. Hutton

Joy E. Losee

Major: *Psychology*

Dissertation: Examining the Role of Individual Differences in the Threat Response Process

Dissertation Chair: G. D. Webster

Clayton Cory Lowe

Major: *Criminology, Law, and Society*

Dissertation: Moral Communities in Chicago: Examining the Relationship between Family and Community Religiousness and Youth Substance Use and Delinquency

Dissertation Chair: C. L. Gibson

Dissertation Co-chair: A. A. Fagan

Yu Lu

Major: *Materials Science and Engineering*

Dissertation: Understanding the Microstructure Evolution and Mechanical Property Degradation of Thermally Aged and Neutron Irradiated Duplex Stainless Steels

Dissertation Chair: Y. Yang

Feiya Luo

Major: *Curriculum and Instruction*

Dissertation: Exploring Elementary Students' Computational Thinking Leveraging Affordances of Learning Trajectories

Dissertation Chair: P. Antonenko

Dissertation Co-chair: M. Israel

Ke Luo

Major: *Materials Science and Engineering*

Dissertation: Shockwave Propagation and High Strain Rate Loading of Hydrogels via Molecular Dynamics Simulation

Dissertation Chair: D. Spearot

Shangru Lyu

Major: *Medical Sciences—Neuroscience*

Dissertation: Characterization of Mouse Models: Phenotypes with Implications on Restless Legs Syndrome

Dissertation Chair: Y. Li

Mhairi Katriona MacLean

Major: *Biomedical Engineering*

Dissertation: Biomechanics of Walking with Mechanical Assistance: From a Robotic Exoskeleton or Partial Bodyweight Support

Dissertation Chair: D. P. Ferris

Katherine Maslak Madson

Major: *Design, Construction and Planning*

Dissertation: Taxonomy of Flexible Manufacturing Facility Design and Comparative Valuation through a Real Options Analysis

Dissertation Chair: B. W. Franz

Victoria E. Makal

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Biophysical Characterization of AAV2-Based Capsid Mutants Exhibiting Increased Retinal Transduction following Intravitreal Injection and Quantification of Aggregation Prevention as a Function of Vector Formulation

Dissertation Chair: S. E. Boye

Hoda Manafian

Major: *Health and Human Performance*

Dissertation: Agritourism Development: Definition, Preferences, and Spatial Distribution in Florida

Dissertation Chair: A. M. Almeyda Zambrano

Jagadeesh Nagendra Manda

Major: *Chemistry*

Dissertation: Enantioselective Synthesis of Chiral Biaryls & the Synthesis of Spirastrellolide A Analogues, Small Molecule Inhibitors and Prodrugs

Dissertation Chair: A. Aponick

Zachary Lawrence Mannes

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Effect of Pain on Depressive Symptoms, Opioid Use, and Health-Related Quality of Life among Retired National Football League Athletes: A Nuanced Examination of Pain Intensity, Catastrophizing, Acceptance, and Interference

Dissertation Chair: N. Ennis

Felicien Masanga Maisha

Major: *Anthropology*

Dissertation: Exploring Manhood, Masculinities and the Roles of Men Regarding Pregnancy and Childbirth in a Humanitarianized War Zone of Eastern Democratic Republic of Congo

Dissertation Chair: A. E. Strong

Dissertation Co-chair: C. J. Mulligan

Casey J. McDonald

Major: *Mass Communication*

Dissertation: Hearing the Organizational Human Voice: A Proposed Theoretical Model of Conversational Human Voice And Perceived Trustworthiness

Dissertation Chair: T. A. Kelleher

Lucas Glen McEachron

Major: *Interdisciplinary Ecology*

Dissertation: Reef Fish Spatial Distributions throughout the Florida Keys in the Context of Matrix Effects, Trophic Dynamics, and Complementary Modeling Techniques

Dissertation Chair: R. J. Fletcher Jr.

Dissertation Co-chair: M. S. Allen

Alexander J. McGhee

Major: *Mechanical Engineering*

Dissertation: In Situ Spatiotemporal Detection of Cytokine Production within 3D Cell Culture

Dissertation Chair: W. G. Sawyer

Alicia Rae McGrew

Major: *Interdisciplinary Ecology*

Dissertation: Taxonomic, Phylogenetic, and Size-Based Approaches to Characterizing Aquatic Community Structure

Dissertation Chair: B. H. Baiser

Nina Veronica Medyk

Major: *Counseling and Counselor Education*

Dissertation: Exploring the Effects of a Group Theraplay Intervention among Adolescents in a Disciplinary Alternative Education Program

Dissertation Chair: S. L. Smith

Daniel C. Melear

Major: *Counseling and Counselor Education*

Dissertation: A Grounded Theory of How Couple Counselors Understand Apology and Adaptive Shame in Relationship Repair with Couples Facing Infidelity

Dissertation Chair: S. L. Smith

Guanhong Miao

Major: *Biostatistics*

Dissertation: Techniques for Privacy-Preserving Data Collection and Analysis

Dissertation Chair: S. S. Wu

Moses Roderick Jawanza Mike

Major: *Agricultural Education and Communication*

Dissertation: Disaster Management, Communication Strategies, and Challenges to Resilience during Tropical Storm Karen: The Story of Trinidad Extension

Dissertation Chair: R. W. Telg

Stephanie Michelle Mintz

Major: *Criminology, Law, and Society*

Dissertation: Learning Extremism: A Social Learning Theory Approach to Explaining Engagement in Violent Extremism

Dissertation Chair: L. M. Lanza Kaduce

Tiffany Lynn Mohr

Major: *Mass Communication*

Dissertation: Exploring Relationships of Interest Group Strategic Communication and Agenda Building

Dissertation Chair: S. K. Kiouisis

Marissa Selena Molinar II

Major: *Anthropology*

Dissertation: Drawing the World: Coso Range Rock Art as a Gendered Performance of Cosmology, Community and Social Memory

Dissertation Chair: K. E. Sassaman Jr.

Christina Monachino

Major: *School Psychology*

Dissertation: Profiles, Transition Patterns, and Descriptive Characteristics of Peer Victimization across the Middle School Transition

Dissertation Chair: J. D. Splett

Dissertation Co-chair: T. M. Smith-Bonahue

Emily Victoria Moore

Major: *Public Health*

Dissertation: Improving Nutrition in Children under Five in Burkina Faso: A One Health Approach

Dissertation Chair: S. L. McKune

Rachel Ann Moore

Major: *Microbiology and Cell Science*

Dissertation: Emission Sources, Atmospheric Effects, and Deposition of Microbial Aerosols and Ice Nucleating Particles

Dissertation Chair: B. C. Christner

Victoria Lorese Morgan

Major: *Agricultural and Biological Engineering*

Dissertation: Data-Driven Decision Support by Coupling Nanotechnology, Public Health Risk Models, and Indigenous Knowledge in Rural Colombia

Dissertation Chair: E. McLamore

Dissertation Co-chair: G. A. Kiker

Samuel L. Morris

Major: *Psychology*

Dissertation: Assessing and Improving the Sociability of Children with Autism Spectrum Disorder

Dissertation Chair: T. R. Vollmer

Fezile Prudence Mtsetfwa

Major: *Interdisciplinary Ecology*

Dissertation: Understanding Impacts of Climate and Land-Use Changes on Keystone Savanna Tree Species Distributions

Dissertation Chair: R. A. McCleery

Gregory Nicholas Muller

Major: *School Psychology*

Dissertation: The Relationship between Obsessive-Compulsive Disorder, Five Factor Traits, and Religiosity-Spirituality in 18-44-Year-Olds

Dissertation Chair: D. J. Beaulieu

Aravinda Munasinghe

Major: *Chemistry*

Dissertation: Polymers' Effects on Structure and Dynamics of Proteins upon Conjugation, including their Effect toward the Microenvironment of the Protein

Dissertation Chair: C. M. Colina

Matthew Nicholas Musselwhite

Major: *Veterinary Medical Sciences*

Dissertation: Central and Peripheral Modulation of Reflex Tracheobronchial Cough in the Cat

Dissertation Chair: D. C. Bolser

Kelly Calder Muzyczka

Major: *Anthropology*

Dissertation: Understanding Racial Disparities within Total Knee Replacements

Dissertation Chair: C. McCarty

Andre A. Naranjo

Major: *Botany*

Dissertation: Understanding the Evolution of Narrow Endemics: The Case of the Scrub Mint Clade (Lamiaceae)

Dissertation Chair: P. S. Soltis

Dissertation Co-chair: D. E. Soltis

Laura Estefania Navia

Major: *School Psychology*

Dissertation: Caregiver Reports of Diabetes-Related Distress and Family Conflict in Relation to Disease Duration

Dissertation Chair: T. M. Smith-Bonahue

Mallory D. Netz

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Role of Food Allergy Management and Caregiver Distress in Caregiver-Provider Communication

Dissertation Chair: D. A. Fedele

Hanh Thi Nguyen

Major: *Soil and Water Sciences*

Dissertation: Characterization of Microbial Communities in Soil and Water Column of Constructed Wetlands: The Everglades Stormwater Treatment Area-2 as a Case Example

Dissertation Chair: J. Meyer

Dissertation Co-chair: R. K. Reddy

Yu Niu

Major: *Health and Human Performance*

Dissertation: An Investigation of Factors Influencing Later Life Tourism Participation: A Life Course Perspective

Dissertation Chair: H. J. Gibson

Nwakaego Ugomma Adaku Nmezi

Major: *Counseling Psychology*

Dissertation: Associations of Severity of Depression Symptoms, Perceived Stress, and Acculturation with Cardiovascular Health among African Immigrants Living in the United States

Dissertation Chair: C. M. Tucker

Jerald D. Noble

Major: *Plant Molecular and Cellular Biology*

Dissertation: Alternative Splicing Dynamics in Diverse Plant Populations

Dissertation Chair: W. B. Barbazuk

Dissertation Co-chair: M. Kirst

Shirin Noei

Major: *Civil Engineering*

Dissertation: Longitudinal Control in Traffic Microsimulation

Dissertation Chair: X. Zhao

Dissertation Co-chair: C. D. Crane III

Abigail S. Novak

Major: *Criminology, Law, and Society*

Dissertation: Exclusionary Discipline across the Life-Course: An Age-Graded Examination of the School-To-Prison Pipeline

Dissertation Chair: A. A. Fagan

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

Deirdre Margaret O'Shea

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Prediction of Response to Behavioral Interventions with MRI Based Biomarkers in Mild Cognitive Impairment

Dissertation Chair: G. E. Smith

Junho Oh

Major: *Business Administration—Finance*

Dissertation: Price Discovery in the Private Bond Market

Dissertation Chair: M. J. Flannery

Joseph Olufemi Olopade

Major: *Design, Construction and Planning*

Dissertation: Qualitative Comparative Analysis of Causal Pathways to Successful Construction Cross-Functional Teams

Dissertation Chair: B. W. Franz

Kathryn L. Olsen

Major: *Chemistry*

Dissertation: Catalytic Enantioselective Synthesis of Minimally Differentiated Chiral Amines

Dissertation Chair: A. Aponick

Aleksandra Ita Olszewska

Major: *Curriculum and Instruction*

Dissertation: Counter-Stories from Poland: Identities and Language Identities of Adolescent Refugee-Background Students

Dissertation Chair: M. R. Coady

Enrique Orozco López

Major: *Agricultural and Biological Engineering*

Dissertation: Subsurface Preferential Flow and Transport in Riparian Buffers

Dissertation Chair: R. Munoz-Carpena

Dissertation Co-chair: B. Gao

Brian C. Orr

Major: *Communication Sciences and Disorders*

Dissertation: Differential Recruitment of Cognitive Processes as a Function of Variations in Text Difficulty, Response Format, and Question Type

Dissertation Chair: L. J. Altmann

Billy A. Palmer Jr.

Major: *Counseling Psychology*

Dissertation: Unexplored Aspects of Gambling Disorder Stigma

Dissertation Chair: M. Heesacker

Xiaoshu Pan

Major: *Chemistry*

Dissertation: Aptamer Engineering for Enhanced Delivery of Functional Proteins and Biomarker Analysis in Cancer Therapy

Dissertation Chair: R. A. Butcher

Babu Ram Panthi

Major: *Entomology and Nematology*

Dissertation: Ecology, Behavior, and Management of *Scirtothrips dorsalis* Hood in Florida Strawberry and Blueberry

Dissertation Chair: O. E. Liburd

Dissertation Co-chair: S. Lahiri

Maria Papaioannou

Major: *Classical Studies*

Dissertation: Epigram and Cult: A New Study of the Rock-Cut Precinct of Artemidorus at Thera

Dissertation Chair: R. S. Wagman

John Yongchae Park

Major: *Botany*

Dissertation: Quantifying Leaf Phenology of Tropical Forest Canopy Trees and Species from UAV Images and Its Relationship to Plant Functional Traits

Dissertation Chair: J. W. Lichstein

Casey Parker

Major: *Entomology and Nematology*

Dissertation: Dynamics of Insecticide Susceptibility Status in Florida *Aedes aegypti* (Linnaeus) and *Aedes albopictus* (Skuse) Populations and Evaluation of Mosquito Education Campaigns

Dissertation Chair: C. R. Connelly

Dissertation Co-chair: B. D. Siegfried

Anthony J. Pastore

Major: *Chemistry*

Dissertation: Investigation for Electron Transfer and Optimal Decarboxylase Activity of Oxalate Decarboxylase

Dissertation Chair: A. Angerhofer

Pornpamol Pattamanont

Major: *Animal Sciences*

Dissertation: Economic Optimization of Dry Period Length to Maximize Profitability of an Adjacent Lactation at Cow and Herd Level

Dissertation Chair: A. De Vries

Christopher J. Patton

Major: *Computer Science*

Dissertation: Interpretation of Provable Security for Cryptographic Practice

Dissertation Chair: T. Shrimpton

Anirudra Paul

Major: *Chemistry*

Dissertation: Development of Methods for the C–H Functionalization of Cyclic Amines

Dissertation Chair: D. Seidel

Joshua Thomas Paul

Major: *Materials Science and Engineering*

Dissertation: Utilization of High-Throughput Techniques for Materials Discovery and Characterization

Dissertation Chair: R. Hennig

Percy A. Peralta

Major: *Interdisciplinary Ecology*

Dissertation: What Incentivizes Eco-Friendly Coffee Practices in the Peruvian Tropical Andes?: Socioeconomic and Environmental Sustainability of Smallholder Coffee Production in the Satipo Province, Perú

Dissertation Chair: K. A. Kainer

Dissertation Co-chair: C. M. Tucker

Victor J. Perez Jr.

Major: *Geology*

Minor: *Science Education*

Minor: *Zoology*

Dissertation: Florida's Chondrichthyan Fossil Record (Eocene—Pleistocene)

Dissertation Chair: B. J. MacFadden

Giorgi Pertaia

Major: *Industrial and Systems Engineering*

Dissertation: Applications of Conditional Value at Risk Norm and Buffered Probability in Risk Management

Dissertation Chair: S. Uryasev

Robyn Elaine Pescatore

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Macrocyclic Tetrapeptides as Potential Prostate Cancer Therapeutics

Dissertation Chair: J. V. Aldrich

Svetlana Petrova

Major: *Business Administration—Finance*

Dissertation: Essays in Fintech: Cybersecurity Breaches, Corporate Responses, and Investment Behaviors

Dissertation Chair: A. Naranjo

Sara Ann Phelps

Major: *Soil and Water Sciences*

Dissertation: Critical Zone Processes and Water Quality in an Urbanized Watershed

Dissertation Chair: T. Z. Osborne

Daniel Pimentel

Major: *Mass Communication*

Dissertation: *If I Become the Masses I Will Act: VR Animal Embodiment and Psychic Numbing*

Dissertation Chair: S. Kalyanaraman

Jerald B. Pinson

Major: *Botany*

Dissertation: *The Separation of Generations: Biology and Biogeography of Long-Lived Sporophyteless Fern Gametophytes*

Dissertation Chair: E. Sessa

Christopher Scott Poitevien

Major: *School Psychology*

Dissertation: *Parental Knowledge of Individual Education Plans and Section 504 Student Supports for Disabilities*

Dissertation Chair: D. J. Beaulieu

Dissertation Co-chair: J. H. Kranzler

Caroline Lois Poli

Major: *Interdisciplinary Ecology*

Dissertation: *Validating Connectivity Estimates against Actual Movement*

Dissertation Chair: R. J. Fletcher Jr.

Keerati Ponpetch

Major: *Public Health*

Dissertation: *Environmental Determinants and Spatial Distribution of Schistosomiasis in Ethiopia*

Dissertation Chair: S. Liang

Brianna Belén Posadas

Major: *Human-Centered Computing*

Dissertation: *Crowdsourcing Ground Truth Data Collection for Precision Agriculture Using a Citizen Science Mobile Application*

Dissertation Chair: J. E. Gilbert

Patricia Prade

Major: *Entomology and Nematology*

Dissertation: *The Biological Control of Brazilian Peppertree in Florida, USA*

Dissertation Chair: C. R. Minter-Killian

Julianne L. Price

Major: *Psychology*

Dissertation: *Hair Cortisol Trajectories from Pre-Treatment to Early Abstinence in Alcohol Use Disorder: A Correlate of Cognitive Recovery*

Dissertation Chair: S. J. Nixon

Niels Olduvai Proctor

Major: *Forest Resources and Conservation*

Dissertation: *Assessing the Use and Benefits of Self-Directed Retrieval Practice in the Authentic Context of an Undergraduate Course*

Dissertation Chair: M. C. Monroe

Dissertation Co-chair: P. Antonenko

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

Sheryl E. Quail

Major: *Forest Resources and Conservation*

Minor: *Geography*

Dissertation: REDD, Sustainable Agricultural Intensification, and Land Cover Change Modeling: Analyzing Tradeoffs and Synergies at a REDD Pilot Project in Kilosa District, Tanzania

Dissertation Chair: G. Barnes

Dissertation Co-chair: B. A. Child

Nathan A. Quails

Major: *Medical Sciences—Medical Physics*

Dissertation: Investigating Patient Skin and Eye Lens Radiation Dose during Endovascular Neurosurgery Procedures

Dissertation Chair: L. N. Rill

Dissertation Co-chair: M. M. Arreola

Sourav Raha

Major: *Physics*

Dissertation: String Bits at Finite Temperature

Dissertation Chair: C. B. Thorn III

Shalaunda Monet Reeves

Major: *Curriculum and Instruction*

Dissertation: Unpacking the Experience: Beliefs and Conceptions of Undergraduate Science Students with Virtual Laboratories

Dissertation Chair: K. J. Crippen

Katy Lynn Robinson

Major: *Mass Communication*

Dissertation: Says Who? A Qualitative Study of the Relationship between Employee Voice and Strategic Internal Communication

Dissertation Chair: L. Men

Dissertation Co-chair: S. K. Kiouis

Raele D. Robison

Major: *Rehabilitation Science*

Dissertation: Lingual Physiologic Reserve Homeostenosis and Bulbar Function in Individuals with Amyotrophic Lateral Sclerosis

Dissertation Chair: E. K. Plowman

Richard P. Rode

Major: *Mechanical Engineering*

Dissertation: Design and Evaluation of Bilayer Graphene Oxide Membranes in Biological Applications

Dissertation Chair: S. Moghaddam

Kayla Briette Rodney

Major: *English*

Dissertation: School Dazed: Education Theory in the Literary Works of African-American Writers

Dissertation Chair: D. W. King

Victoria Amparo Rodriguez

Major: *Counseling Psychology*

Dissertation: Factors Associated with Cervical Cancer Screening Adherence in a Sample of Hispanic/Latina Women and Latinx Individuals with Cervixes

Dissertation Chair: C. M. Tucker

Barukh Ben Rohde

Major: *Electrical and Computer Engineering*

Dissertation: Motivations and Outcomes of an Undergraduate Teaching Assistantship Program

Dissertation Chair: W. R. Eisenstadt

Dissertation Co-chair: E. P. Douglas

Cody A. Ruben

Major: *Electrical and Computer Engineering*

Dissertation: PMU Applications on Power Systems: Strategies for PMU Allocation and Real-Time Monitoring for Enhanced Gross Error Detection

Dissertation Chair: A. S. Bretas

Vanessa Yvette Rubio

Major: *Chemistry*

Dissertation: Mass Spectrometry Strategies and Applications for High-Efficiency Global Metabolomics

Dissertation Chair: R. A. Yost

Jordan Tyler Russell

Major: *Microbiology and Cell Science*

Dissertation: Implications of Early Life Microbiome Alterations Associated with Host Genetics and Environmental Factors

Dissertation Chair: E. Triplett

Max H. Russo

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Molecular Mechanisms Associated with Adverse Effects of the Environmentally Persistent Organochlorine Pesticide Dieldrin

Dissertation Chair: B. Liu

Shriram Sadashivajois

Major: *Physics*

Dissertation: A Search for Relic Axions and Their Frequency Modulation

Dissertation Chair: N. S. Sullivan

Dissertation Co-chair: D. B. Tanner

Ravneet Kaur Sandhu

Major: *Horticultural Sciences*

Dissertation: Relaycropping an Alternative Technique in Vegetables and Strawberry Production for Growers in Florida for Maximizing Economic Returns

Dissertation Chair: N. S. Boyd

Jay Claus Santos

Major: *Health and Human Performance*

Dissertation: Antecedents and Consequences of College Athletes' Time Demands

Dissertation Chair: M. Sagas

Arman Sargolzaei

Major: *Mechanical Engineering*

Dissertation: Control of Multi-Agent Systems in Presence of Cyber-attack

Dissertation Chair: C. D. Crane III

Dissertation Co-chair: W. E. Dixon

Aisharjya Sarkar

Major: *Computer Engineering*

Dissertation: Discovering Signatures in Uncertain and Heterogeneous Biological Datasets

Dissertation Chair: T. Kahveci

Haley Marie Sater

Major: *Horticultural Sciences*

Dissertation: Understanding Blueberry Aroma Origin, Inheritance, and its Sensory Perception by Consumers

Dissertation Chair: P. R. Munoz

Tracey B. Schafer

Major: *Soil and Water Sciences*

Dissertation: Hurricane Impacts on Water Quality and Dissolved Organic Matter Cycling along an Aquatic Continuum

Dissertation Chair: T. Z. Osborne

Dissertation Co-chair: R. K. Reddy

Bryan Robert Schlink

Major: *Biomedical Engineering*

Dissertation: Measuring Spatial Lower Limb Myoelectric Activity during Human Locomotion with High-Density Electromyography

Dissertation Chair: D. P. Ferris

Abigail C. Schmitt

Major: *Health and Human Performance*

Dissertation: Gait and Balance Impairments in Patients with Parkinson's Disease and Osteoarthritis

Dissertation Chair: C. J. Hass

Bonnie Michelle Scott

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Motivation in Parkinson's Disease: Parsing the Temporal Dynamics of Anticipatory and Consummatory Stages of Reward Processing

Dissertation Chair: D. Bowers

Dillon T. Seroski

Major: *Biomedical Engineering*

Dissertation: Design and Characterization of Co-Assembling Peptides as Supramolecular Biomaterials

Dissertation Chair: G. Hudalla

Faisal Shahzad

Major: *Horticultural Sciences*

Dissertation: Role of Mineral Nutrition in Citrus Tree Health, Fruit Quality, and Postharvest Storage Life of HLB-Affected Mandarin Cultivars

Dissertation Chair: T. Vashisth

Dissertation Co-chair: J. K. Brecht

Yangming Shi

Major: *Civil Engineering*

Dissertation: A Working Memory Investigation of Immersive Visualization Technologies on Construction Task Performance

Dissertation Chair: J. Du

Prasanth Shyamsundar

Major: *Physics*

Dissertation: Novel Data Analysis Techniques in High Energy Physics: Leveraging Kinematic Variables, Machine Learning, and Quantum Computing

Dissertation Chair: K. T. Matchev

Cindy Lee Sigler

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Characterizing the Floral Volatile Pathways and Transcriptome of *Caladium bicolor*

Dissertation Chair: T. A. Colquhoun

Kenneth Michael Silverman

Major: *Classical Studies*

Dissertation: The Mind of Homer: A Study in Homeric Physiology and Thought

Dissertation Chair: R. S. Wagman

Shruti Siva Kumar

Major: *Biomedical Engineering*

Dissertation: Identifying Early Markers of Subclinical Cardiac and Pulmonary Radiation Toxicity in Breast Cancer

Dissertation Chair: W. G. O'Dell

James G. Solari

Major: *Counseling and Counselor Education*

Dissertation: Therapy with Disordered Gamers: An Interpretive Phenomenological Analysis of Counselor Experience

Dissertation Chair: S. C. Echevarria-Doan

Rebecca Jeanne Solch

Major: *Nutritional Sciences*

Minor: *Agricultural Education and Communication*

Dissertation: Probiotics on Stress-Associated Gastrointestinal Function in University Students

Dissertation Chair: R. J. Henken

Kristy Elizabeth Spear

Major: *Curriculum and Instruction*

Dissertation: Untangling the Web: A Mixed-Methods Study of High-Achieving Students' Beliefs About Online Courses

Dissertation Chair: P. Antonenko

Lindsay J. Spiers

Major: *Fisheries and Aquatic Sciences*

Dissertation: The Role of Herbivores in Shaping Coral Reef Macroalgal Communities: Differing Effects of Herbivorous Fish and the Long Spined Sea Urchin *Diadema antillarum*

Dissertation Chair: T. K. Frazer

Arjun Srivathsa

Major: *Interdisciplinary Ecology*

Dissertation: Saving the Underdogs: A Multi-Scale Approach to Inform Strategies for Conserving the Endangered Asiatic Wild Dog

Dissertation Chair: M. K. Oli

Preeyanan Sriwanayos

Major: *Veterinary Medical Sciences*

Dissertation: Genomic Characterization, Molecular Epidemiology, and Disease Potential Tiger Frog Viruses Pose to Aquatic Animal Industries

Dissertation Chair: T. B. Waltzek

Dissertation Co-chair: J. E. Hill

Theodor L. Stansly

Major: *Agronomy*

Dissertation: Response of *Brassica carinata* to Biotic and Abiotic Stress through Glucosinolate Synthesis and Distribution

Dissertation Chair: D. L. Wright

Dissertation Co-chair: I. M. Small

Lijuan Su

Major: *Health and Human Performance*

Dissertation: Utilizing Big Data Analytics to Develop Effective Crisis Communications in the Tourism and Hospitality Industry

Dissertation Chair: S. O. Stepchenkova

Ariana D. Suárez Martínez

Major: *Biomedical Engineering*

Dissertation: Development of an *Ex Vivo* Mouse Tissue Culture Model for Investigating Cell Dynamics during Microvascular Remodeling

Dissertation Chair: W. L. Murfee III

Ratna G. Suthar

Major: *Agricultural and Biological Engineering*

Dissertation: Modeling Postharvest Losses in the Florida Tomato System

Dissertation Chair: J. Judge

Thomas William Sutor

Major: *Rehabilitation Science*

Dissertation: Neuromodulation to Improve Breathing and Trunk Function in Humans after Spinal Cord Injury

Dissertation Chair: E. J. Fox

Adrian Marie Svingos

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Predicting Very Long-Term Outcomes after Severe Traumatic Brain Injury

Dissertation Chair: S. C. Heaton

Dissertation Co-chair: R. M. Bauer

Justin Shane Tauscher

Major: *Counseling and Counselor Education*

Dissertation: Preferences for Technology Based and In-Person Substance Use Disorder Treatment: A Discrete Choice Experiment

Dissertation Chair: M. K. DePue

Greenberry Bush Taylor III

Major: *Mass Communication*

Dissertation: Exploring the Health Implications of Mindfulness In Mobile Applications for Emerging Adults

Dissertation Chair: C. L. Fisher

Dissertation Co-chair: C. Bylund-Lincoln

Lin Teng

Major: *Animal Sciences*

Dissertation: Genetic Diversity of Naturally Occurring ESBL/AmpC-Producing Pathogens in Beef Cattle

Dissertation Chair: K. C. Jeong

Travis Michael Thomas

Major: *Wildlife Ecology and Conservation*

Dissertation: Evaluation of Habitat Characteristics and Threats to the Diamondback Terrapin (*Malaclemys terrapin*) in the Greater Suwannee Estuary

Dissertation Chair: S. A. Johnson

Dissertation Co-chair: M. S. Allen

Jennifer Timmers

Major: *Agronomy*

Dissertation: Developing Climate Resilient Annual Ryegrass for the Southeastern U.S.A.

Dissertation Chair: J. E. Erickson

Dissertation Co-chair: E. F. Rios

Aleksandra Tomic

Major: *Linguistics*

Dissertation: Codeswitching as a Beneficial Cue in the Processing of Subsequent Speech: Evidence from Eyetracking Studies on Emotionality and Prediction

Dissertation Chair: J. R. Valdes Kroff

Legna M. Torres Garcia

Major: *Coastal and Oceanographic Engineering*

Dissertation: Hydrodynamics and Sediment Mobility in Degraded Barrier Coral Reefs

Dissertation Chair: M. Olabarrieta Lizaso

Erin Ruth Trifilio

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Measuring Apathy in Parkinson Disease: Development of a Novel Apathy Scale Using a Laboratory Validation Measure

Dissertation Chair: D. Bowers

Elise Michelle Turner

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Role of Sleep-Disordered Breathing and Oxygen Desaturation in Neurocognitive Functioning among Youth with Sickle Cell Disease

Dissertation Chair: D. A. Fedele

Dissertation Co-chair: S. C. Heaton

Bradley James Udell

Major: *Wildlife Ecology and Conservation*

Dissertation: Monitoring, Predicting, and Analyzing Decisions for Invasive Species Management in Heterogeneous Landscapes

Dissertation Chair: C. M. Romagosa

Dissertation Co-chair: J. Martin

Chantel Monique Ulfig

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Cognitive Behavioral Effects on Emotional Well-Being, Worry about Cancer Progression, Proinflammatory Cytokines, and Cancer Recurrence among Women with Confirmed Gynecologic Malignancies

Dissertation Chair: D. B. Pereira

Tanaya Ravindra Vaidya

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Multiscale and Translational Quantitative Systems-Based Modeling and Simulation for Efficacy and Safety Assessment of Anti-Cancer Agents

Dissertation Chair: A. N. Brown

Dissertation Co-chair: J. B. Bulitta

Saskia A. van Wees

Major: *Political Science*

Dissertation: Status Seeking and Shades of Compliance with Global Environmental Norms: The Cases of China and India

Dissertation Chair: B. B. Smith

Kyle Jude Michael Ventura

Major: *Materials Science and Engineering*

Dissertation: Thermodynamic Database Assisted Design and Experimental Evaluation of Novel Ni-Based Superalloys

Dissertation Chair: G. E. Fuchs

Michael E. Vickers

Major: *Entomology and Nematology*

Dissertation: Colors Used as Signals during Foraging in Jumping Spiders (Salticidae)

Dissertation Chair: L. A. Taylor

Achilles Vieira Neto

Major: *Animal Molecular and Cellular Biology*

Dissertation: Mineral Metabolism in Transition Dairy Cows: The Role of Acid-Base Status and Vitamin D Metabolites

Dissertation Chair: J. E. Santos

Bo Wang

Major: *Mechanical Engineering*

Dissertation: Computational Models for Developing Design Criteria for Next Generation Electrodes for Li-ion and Na-ion Batteries

Dissertation Chair: K. E. Aifantis

Hao Wang

Major: *Mechanical Engineering*

Dissertation: Numerical Simulation of Cryogenic Bubble Nucleation and Growth Dynamics, and Convective Cryogenic Quenching of a Pipe

Dissertation Chair: J. N. Chung

Luyu Wang

Major: *Health and Human Performance*

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

Dissertation Chair: A. M. Almeyda Zambrano

Xi Wang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Utilization and Safety of Biologics for Pregnant Women with Inflammatory Bowel Diseases

Dissertation Chair: A. G. Winterstein

Zhongkai Wang

Major: *Biostatistics*

Dissertation: Model-Based Standardization to Adjust for Confounding with Clustered Data

Dissertation Chair: B. A. Brumback

Jennifer Lynn Warnick

Major: *Psychology—Clinical and Health Psychology*

Dissertation: An Experimental Manipulation Evaluating the Impact of Distress on Parental-Feeding Practices

Dissertation Chair: D. Janicke

Hannah Leigh Warshowsky

Major: *Counseling Psychology*

Dissertation: Cliteracy for Him: Effectiveness of Bibliotherapy for Heterosexual Men's Sexual Functioning

Dissertation Chair: L. Mintz

Jonathan Shane Welker

Major: *Mathematics*

Dissertation: An Immuno-Epidemiological Model of Canine Visceral Leishmaniasis Structured by Time-Since-Infection

Dissertation Chair: M. Martcheva

Elizabeth H. White Rose

Major: *Interdisciplinary Ecology*

Dissertation: Population Characteristics, Movement Behavior, and Resource Selection of Florida Burrowing Owls Breeding in Suburban and Pastureland Habitats

Dissertation Chair: R. K. Boughton

Ryan Michael Wilhelmi

Major: *Geology*

Dissertation: Evolution and Exposure of Precambrian Basement along the Western Margin of the Wyoming Province

Dissertation Chair: D. A. Foster

Renessa S. Williams

Major: *Nursing Sciences*

Dissertation: The Impact of HIV-Related Stigma among Adults Living with HIV & Disability in Florida, 2015-2016

Dissertation Chair: R. J. Lucero

Rua Mae Williams

Major: *Human-Centered Computing*

Dissertation: Metacogs: VR Toolkit for Executive Function Assessment and Metacognitive Strategy Development via Agent-Based Modeling

Dissertation Chair: J. E. Gilbert

Kedon Kevin Willis

Major: *English*

Dissertation: A Wretched Body of Queers: Queer Failure as Utopian Critique in Contemporary Caribbean Literature

Dissertation Chair: L. R. Rosenberg

Regina Renae Woloshun

Major: *Nutritional Sciences*

Dissertation: Select Amino Acids Enhance or Reduce Iron Absorption via DMT1 Trafficking for Treatment of Iron-Deficiency Anemia and Iron-Overload Disorders

Dissertation Chair: J. F. Collins

Qianyan Wu

Major: *Food and Resource Economics*

Dissertation: Value Estimates for Natural Springs in Florida with Non-Market Valuation Methods through Consistent Use of Revealed and Stated Preference Data

Dissertation Chair: X. Bi

Yao Xiao

Major: *Biomedical Engineering*

Dissertation: Deep Learning for Multimodal CT Image Quality Enhancement and Radiation Exposure Optimization

Dissertation Chair: R. Fang

Xiaoping Xin

Major: *Soil and Water Sciences*

Dissertation: Development, Characterization and Evaluation of Polymeric Nanoparticles for Application in Agriculture

Dissertation Chair: Z. He

Dissertation Co-chair: J. Judy

Yu-Hua Xu

Major: *Health and Human Performance*

Minor: *Geography*

Dissertation: Planning for Spatial-Economic Resilience: Home-Sharing in Rural Florida

Dissertation Chair: L. Pennington

Zhengtao Xu

Major: *Materials Science and Engineering*

Dissertation: Design, Synthesis and Application of Organic Semiconductors in Flat Panel Display and Solar Energy Conversion

Dissertation Chair: J. Xue

Guang Yang

Major: *Pharmaceutical Sciences—Clinical Pharmaceutical Sciences*

Dissertation: Identification of Pharmacogenomic Markers of Bisphosphonates Induced Osteonecrosis of the Jaw

Dissertation Chair: Y. G. Whisler

Hongfen Yang

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Synthesis and Discovery of Halogenated Phenazines as Antibacterial and Biofilm-Eradicating Agents

Dissertation Chair: R. W. Huigens III

Lu You

Major: *Biostatistics*

Dissertation: Dynamic Disease Screening by Online Risk Monitoring

Dissertation Chair: P. Qiu

Kevin K. Yu

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Exploring the Presence of Bacteria in the Fetus and Its Effects on Development

Dissertation Chair: C. E. Wood

Yifan Yu

Major: *Chemical Engineering*

Dissertation: Improving Lubricity of Contact Lenses by Surface Coating and Comfort Enhancers

Dissertation Chair: T. Lele

Dissertation Co-chair: A. Chauhan

Faxi Yuan

Major: *Design, Construction and Planning*

Dissertation: Investigating Disaster Resilience through Social Media

Dissertation Chair: R. Liu

Xiaoyong Yuan

Major: *Computer Science*

Dissertation: Security and Privacy Issues in Deep Learning

Dissertation Chair: D. Wu

Keke Zhai

Major: *Computer Science*

Dissertation: Hybrid Multicore Architecture Optimization for a Large-Scale Scientific Application

Dissertation Chair: S. Ranka

Hongping Zhang

Major: *Health and Human Performance*

Dissertation: Using Autobiographical Memory to Understand the Development of Pro-Environmental Behaviors and Global Citizenship in the Context of Study Abroad

Dissertation Chair: H. J. Gibson

Lan Zhang

Major: *Electrical and Computer Engineering*

Dissertation: Connectivity Control and Optimization for Internet of Things Applications

Dissertation Chair: Y. Fang

Shuaifang Zhang

Major: *Mechanical Engineering*

Dissertation: A Phase-Field Model Describing Fracture in Anisotropic Brittle Materials

Dissertation Chair: M. Tonks

Yi Zhang

Major: *Design, Construction and Planning*

Dissertation: A Justice-Oriented Approach to Identify Priorities for Transportation Adaptation in Response to Sea Level Rise Induced Flooding

Dissertation Chair: Z. Peng

Zexi Zheng

Major: *Mechanical Engineering*

Dissertation: Probing Phonon Thermal Transport Properties from Molecular Dynamics Simulations by Direct Mode Propagation Tracking

Dissertation Chair: Y. Chen

Haocheng Zhou

Major: *Mechanical Engineering*

Dissertation: A MEMS-Based Five-Hole Probe with Optical Pressure Transducers

Dissertation Chair: M. Sheplak

Jie Zhou

Major: *Nutritional Sciences*

Dissertation: Associations between the Wnt Signaling Pathway and Iron-Deficient Milk of Hephaestin Knockout Mouse Dams Underlies Hair Loss in Pups

Dissertation Chair: C. D. Vulpe

Dissertation Co-chair: J. F. Collins

Jue Zhou

Major: *Research and Evaluation Methodology*

Minor: *Statistics*

Dissertation: A Comparison of Machine Learning Techniques to Handle Sparse Data in Item Response Theory Model Estimation

Dissertation Chair: W. L. Leite

Dissertation Co-chair: A. C. Manley

Wei Zhou

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Biochemical, Biophysical, Structural and Cellular Studies of Protein-Ligand Interaction: Insights on Early Drug Discovery Targeting PRMT5 and TEAD2

Dissertation Chair: C. Li

Qile Zhu

Major: *Computer Science*

Dissertation: Deep Representation Learning in Natural Language Processing

Dissertation Chair: D. Wu

Rebecca Ann Zimler

Major: *Entomology and Nematology*

Dissertation: Emergence and Transmission Potential of Zika Virus by Invasive Mosquitoes from Florida and Puerto Rico

Dissertation Chair: B. W. Alto

Arthur D. Zimmerman

Major: *Medical Sciences— Pharmacology and Therapeutics*

Dissertation: The Behavioral and Neuroanatomical Basis of GC-D-Dependent Odor Learning

Dissertation Chair: S. D. Munger

Ashley Nicole Zuniga

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: An Emerging Role for Hectd3 in the Prevention of Inflammation and Malignancy in the Gut via Ubiquitination of Master Regulators of Innate Immunity

Dissertation Chair: D. Avram

DOCTOR OF EDUCATION

Kristi Suzanne Aponte

Major: *Educational Leadership*

Dissertation: Staying Power: Resilience Factors of Charter School Principals

Dissertation Chair: L. J. Searby

Rachael Elizabeth Elrod

Major: *Higher Education Administration*

Dissertation: "You Feel like You're Walking Blindly into It": The Experiences of Library Leaders and Academic Library Renovations

Dissertation Chair: C. Haynes

Nicole Lettie Washington Micheau

Major: *Curriculum and Instruction*

Dissertation: Parent Engagement Using Information and Communication Technology in Elementary Title I Schools

Dissertation Chair: A. D. Ritzhaupt

Willie Mae India White

Major: *Educational Leadership*

Dissertation: Understanding the Persistence of Take Stock in Children Scholarship Recipients

Dissertation Chair: C. H. Redding

Sarah Pezdek Wike

Major: *Curriculum and Instruction*

Dissertation: A Mixed-Methods Study on the Student Perspective of Having Individual Access to Smartphones in the Classroom

Dissertation Chair: K. M. Dawson

DOCTOR OF BUSINESS ADMINISTRATION

Erasmus Attah-Gyamfi Jr.
John S. Canzio
Michael A. Carrillo
William J. Carty Jr.
Joel Russell Rennie Davis
James Kirby Easterling
James Bradley Fatzinger

Shari Lynn Fowler
Kristen J. Freiburger
Pete Garcia
Philip Allen Garton
Patrick L. Hobbs
Daren W. Jackson
Bradly N. Labrum

Gregory Robert Lewis
Carlos Luis Pascual Jr.
Laurence J. Pino
William Charles Poellnitz
Scott R Sanderson
Roxanne Y. Valies
Warner G. Walker

DOCTOR OF PLANT MEDICINE

Alexander Michael Gannon

Morgan Grace Pinkerton
Sage M. Thompson

Benjamin David Waldo

PROFESSIONAL DEGREES

THE FREDRIC G. LEVIN COLLEGE OF LAW

Dean Laura A. Rosenbury

DOCTOR OF JURIDICAL SCIENCES IN TAXATION

Musaad Fahad S. Alwohaibi

Monica Rocha Victor De Oliveira

MASTER OF LAWS IN TAXATION

Naif Hadi Alyami

Brian Edward Miller

William Delaney Spencer-Hampton

MASTER OF LAWS IN U.S. LAW

Danielle Black

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE

Alexis M. Dang
Cara Francesca DeMore
Emily Rae Goff
Jennifer Helene Guttery
Noreen Haq

Kristin Renee Lapham
Claire A. Lewellen
Leah Kathleen Lowe
Kari Ann Mattox
Scott A. Mercado
Sandra R. Pelaez-Munsey

Courtney G. Perez
Katherine Harper Prevatt
Kari Layne Stokes
Rhett A. Thomas
Hannah N. Zinman

THE COLLEGE OF PHARMACY

Dean Julie A. Johnson

DOCTOR OF PHARMACY

Eric Joseph Lee *

Caneel Bay Marrero

Robert Andrew Zagorsky





Chain of Office

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

Academic Mace

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

the university's chief marshal, who leads all academic processions, carries the mace.



Diplomas

Diplomas will be mailed to the graduate's diploma mailing address in September 2020.



2020 SUMMER
COMMENCEMENT

Caps and Gowns, An Explanation

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.



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