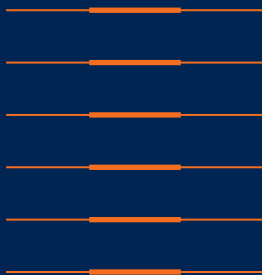


SPRING 2025

Commencement



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 2025.

Today's ceremony celebrates your remarkable accomplishment in earning a doctoral degree from one of the nation's very best public research universities. I applaud you for your years dedicated to rigorous scholarship, thoughtful analysis and thorough presentation of your findings. I join you in thanking your faculty advisors, mentors and the family and friends who have supported you.

Today is a day for celebration, and for reflection on your future.

Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research, analysis skills and resilience you honed as a doctoral student will serve you well. The complex demands and expectations for today's academic and professional leadership opportunities demand nothing less.

The university has benefited from your research, teaching, insights and discoveries, and we are grateful for your time here. We hope that you will look back on this period 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

Dr. W. Kent Fuchs

Dr. Kent Fuchs began serving as Interim President of the University of Florida in August 2024. A professor in the UF Department of Electrical and Computer Engineering, he was the university's 12th president from 2015 to 2023.

Dr. Fuchs led UF into the ranks of the nation's best public universities during his tenure, with the university's stature increasing more than any other research university in the nation. Among other advancements, UF topped \$1 billion in annual research, surpassed \$4.6 billion in philanthropy, and created and filled more than 600 new faculty positions, establishing national prominence in artificial intelligence and other areas of strategic importance.

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

He has been elected 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.

He 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.



2025 SPRING
COMMENCEMENT

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University President and Cabinet

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Vice President - Government and Community Relations

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Interim Chief Financial Officer

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*Interim Vice President - Construction, Facilities, and Real
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Sabyasachi Mitra
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Michael Reid
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The Graduate School

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Peter Swaan
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Mary Watt
College of Liberal Arts and Sciences

Marta L. Wayne
International Center

Dana N. Zimmel
College of Veterinary Medicine

COMMENCEMENT AGENDA – THURSDAY, MAY 1, 9:00 A.M.

Presiding	W. Kent Fuchs <i>Interim President</i>
Processional	Gainesville Brass Quintet
National Anthem	Anthony Offerle <i>Vocalist</i> Gainesville Brass Quintet
Welcome	W. Kent Fuchs
Introductions	Joseph Glover <i>Interim Provost and Executive Vice President - Academic Affairs</i>
Presentation of Honorary Doctor of Technology	W. Kent Fuchs
Recipient	Sachio Semmoto <i>Herbert Wertheim College of Engineering</i>
Commencement Address	Sachio Semmoto <i>Serial Entrepreneur and Founder, KDDI</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	Sarah D. Lynne <i>Member, UF Board of Trustees</i>
Recognition of Graduates	
Closing Remarks	W. Kent Fuchs
Alma Mater	Anthony Offerle Gainesville Brass Quintet
Recessional	“I Won’t Back Down” ©1989 Written by Tom Petty and Jeff Lynne Performed by Tom Petty Album: <i>Full Moon Fever</i>
Postlude	Gainesville Brass Quintet

COMMENCEMENT SPEAKER

Sachio Semmoto, Ph.D.

*Serial Entrepreneur and
Founder, KDDI*

Sachio Semmoto received his undergraduate degree in Electrical Engineering from Kyoto University, Japan, in 1966 and his Ph.D. in Electrical Engineering from the University of Florida in 1971. Dr. Semmoto is a highly successful entrepreneur with more than 30 years of experience in senior management positions with several leading Japanese telecommunication companies.

His career began when he joined Nippon Telegraph and Telephone Public Corporation (NTT, Japan) in 1966, staying until 1983. In 1984, after successfully campaigning to establish a deregulated telecommunications industry in Japan, he co-founded Japan's first private telecom startup, DDI, now KDDI. It is now the second-largest telecom company in Japan.

Dr. Semmoto currently serves as the executive chairman of RENOVA, Inc., a renewable energy power company headquartered in Tokyo, Japan. Under his leadership, RENOVA has grown from a private startup to become Japan's leader in renewable energy, publicly listed on the Tokyo Stock Exchange in 2017. The company continues to develop innovative large-scale renewable energy plants, including offshore wind, large-scale biomass, and utility-



scale solar PV. With his entrepreneurial and management experience, combined with an extensive network, Dr. Semmoto is deeply engaged with RENOVA's business activities.

In the past, Dr. Semmoto has served on the boards of several world-class companies, including NetApp, a leading cloud/data management company in Silicon Valley (US), and Reuters Shareholding Company, a first-class communications company (UK).

GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Anthony R. Aborizk

Major: *Aerospace Engineering*

Dissertation: Recursive Trajectory Optimization for Autonomous Proximity Operations and Docking of Small Satellites

Dissertation Chair: Norman G. Fitz-Coy

Nancy Adams

Major: *Anatomical Sciences Education*

Dissertation: Measuring Self-Efficacy in Gross Anatomy

Dissertation Chair: Kyle E. Rarey

Dissertation Co-chair: Daniel B. Topping

Mosúnmólá O. Adéòjó

Major: *English*

Dissertation: Hidden in Layered Robes: Text, Tune, and Cultural Agency in Rev. Canon J.J. Ransome-Kuti's Yorùbá Anglicanism

Dissertation Chair: Leah Reade Rosenberg

Rahul Aggarwal

Major: *Design, Construction and Planning—Construction Management*

Dissertation: Non-Invasive Spectral Analysis of Insulated Glazing Units Using Full-Spectrum Camera Technology

Dissertation Chair: Ravi Shankar Srinivasan

Damilola Ajayi

Major: *Agricultural Education and Communication*

Dissertation: Evaluation of Sustainable Management Practices for Spotted Wing Drosophila Among Cherry and Berry Growers in the United States

Dissertation Chair: Kay Kelsey

Dissertation Co-chair: Sebastian Galindo

Md Mahfuz Al Hasan

Major: *Electrical and Computer Engineering*

Dissertation: From Chips to Healthcare: Cross-Domain AI for Hardware Security and Medical Imaging

Dissertation Chair: Navid Asadi Zanjani

Dissertation Co-chair: Mark Tehranipoor

Mohammed Nassir Al Otmí

Major: *Chemical Engineering*

Dissertation: Polymer Membranes on a Molecular-Level: Understanding Free Volume and Transport Mechanisms Through Molecular Simulations

Dissertation Chair: Janani Sampath

Ahmed Hussain Aljabr

Major: *Mechanical Engineering*

Dissertation: Chemical Looping Strategies for Sustainable Hydrogen and Syngas Production: A Study on Water-Gas Shift, Methane Reforming, and Biomass Gasification

Dissertation Chair: Jonathan Scheffe

Galvin Alonzo Ortiz

Major: *Plant Pathology*

Dissertation: Spread of *Neopestalotiopsis* sp. Inoculum and Its Management in Florida Strawberry Fields

Dissertation Chair: Natalia A. Peres

May Ahmed Alshahwan

Major: *Nutritional Sciences*

Dissertation: The Mediterranean Diet, Food Security, Behavioral and Psychosocial Factors, and Mental Health Symptoms Among College Students

Dissertation Chair: Anne Mathews

Jorge Alvarado-Barrantes

Major: *Medical Sciences—Genetics*

Dissertation: Kaposi's Sarcoma Associated Herpes Virus (KSHV) miR-K12-9 Induces Alternative Splicing Through Upregulation of C-Myc and SRSF3 in Endothelial Cells

Dissertation Chair: Rolf Renne

Danielle Nicole Alverson

Major: *Materials Science and Engineering*

Dissertation: Adapting Data Science Methods to Elucidate Structure-Property Relationships in Materials

Dissertation Chair: Megan Marie Butala

Muhammed A. Alzahrani

Major: *Mechanical Engineering*

Dissertation: Uncertainty Management in the Kriging Surrogate Model

Dissertation Chair: Nam Ho Kim

Patrick McGill Amy

Major: *Mechanical Engineering*

Dissertation: Lyapunov-Based Indirect Control of Robotic Systems

Dissertation Chair: Warren E. Dixon

Nathan Daniel Arndt

Major: *Materials Science and Engineering*

Dissertation: Effects of Local Point-Defect Disorder on Crystallographic and Magnetic Orders in Highly Correlated Oxide Materials

Dissertation Chair: Megan Marie Butala

Ange Asanzi

Major: *Agricultural Education and Communication*

Dissertation: It Is More than Just About Food: An In-Depth Study of How Low Income Mothers With Young Children Navigate the Food Environment in Urban Florida

Dissertation Chair: Paul F. Monaghan

Meysam Asghari

Major: *Electrical and Computer Engineering*

Dissertation: Hardware Security and High-Frequency Wireless Communication

Dissertation Chair: Yong-Kyu Yoon

Dissertation Co-chair: Nima Maghari

Morgan Alexandria Averette

Major: *Sociology*

Dissertation: Playing Outside the Binary: Trans and Non-Binary Experiences in Sports

Dissertation Chair: Rebecca Annice Hanson

Dissertation Co-chair: Kendal Broad

Carrie Nichol Baker

Major: *Agricultural Education and Communication*

Dissertation: Building Community Capacity to Address Stress and Mental Health Support Needs of Florida's Agricultural Workforce

Dissertation Chair: Sarah A. Bush

Cathleen B. Barker

Major: *Nuclear Engineering Sciences*

Dissertation: Fresh Nuclear Fuel Verification System Optimized Using Neutron and Gamma Signatures

Dissertation Chair: Andreas Enqvist

Travis R. Barker

Major: *Nuclear Engineering Sciences*

Dissertation: Compton Backscatter Imaging Optimized for Explosive Standoff Detection

Dissertation Chair: James Edward Baciak

Alexander Barquero Elizondo

Major: *Human-Centered Computing*

Dissertation: Guidance Reimagined: Understanding the Design, Development, and Users' Perception of Mixed Reality

Context-Aware Task Guidance Systems

Dissertation Chair: Jaime Ruiz

Julia Barra Netto-Ferreira

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: Evaluation of Chickpea as a Dual-Purpose Crop: Effects on Soil Health, Nitrogen Cycling, and Subsequent Cash Crop Production

Dissertation Chair: Gabriel Maltais-Landry

Dissertation Co-chair: Chris Hollister Wilson

Walter Sebastian Barrutia

Major: *Biomedical Engineering*

Dissertation: Development, Validation, and Testing of a 3D-Printed Knee Exoskeleton to Assist and Enhance Human Gait

Dissertation Chair: Daniel Perry Ferris

Nicholas Aaron Barth

Major: *Astronomy*

Dissertation: A Sum of Their Parts: Assessing the Chemodynamical History of Galaxies Using Their Different Stellar Populations

Dissertation Chair: Rana Ezzeddine

Brandon Scott Battas

Major: *Materials Science and Engineering*

Dissertation: Investigating Densification in UO_2

Dissertation Chair: Michael Tonks

Meghan Anne Beatty

Major: *Wildlife Ecology and Conservation*

Dissertation: Understanding and Forecasting the Interplay of Demography and Dispersal in a Metapopulation

Dissertation Chair: Robert J. Fletcher

Megan Rae Blythe Bentley

Major: *Chemistry*

Dissertation: High-Accuracy Thermochemistry of Gas-Phase Molecules: Theory and Experiment

Dissertation Chair: John F. Stanton

Subhadeep Bera

Major: *Chemistry*

Dissertation: Synthesis and Reactivity of [3:1] Site-Differentiated Iron Sulfur Clusters

Dissertation Chair: Leslie Justin Murray

Liudmyla Berbenychuk

Major: *Genetics and Genomics*

Dissertation: From *Cis*-Regulatory Elements to Isoform Quantification: A Dual Approach in *Phaseolus vulgaris* Research

Dissertation Chair: Carlos E. Vallejos

Avanti C. Bhandarkar

Major: *Electrical and Computer Engineering*

Dissertation: Personifying Large Language Models Through Stylistic Attributes and Personality Traits

Dissertation Chair: Damon Lamar Woodard

Allison R. Cauvin

Major: *Interdisciplinary Ecology—Microbiology and Cell Science*

Dissertation: Examining the Role of Microbes in *Orbicella faveolata* Disease Dynamics

Dissertation Chair: Julie Meyer

Dissertation Co-chair: Andrew Harlan Altieri

Riya Chakraborty

Major: *Curriculum and Instruction—Languages and Literacies in Education*

Dissertation: Mapping the Academic and Socio-Emotional Support for Newcomer English Learners in a Rural School: An Arts-Based Narrative Inquiry

Dissertation Chair: Sara Ashley Smith

Quadry Akine Chance

Major: *Astronomy*

Dissertation: Planet Formation in Dynamic Systems: Environmental Sculpting of Exoplanet Demographics

Dissertation Chair: Sarah Ballard



Chieh-Yu Chang

Major: *Chemistry*

Dissertation: Axially Chiral P,N-Stack Ligands in Asymmetric Transition Metal Catalysis and Natural Product Synthesis

Dissertation Chair: Aaron Aponick

Mario Carlo Chang

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Investigating Cancer Metabolism and Therapeutic Efficacy With Stable Isotope Tracer Methods

Dissertation Chair: Matthew E. Merritt

Spencer Jordan Chang

Major: *Electrical and Computer Engineering*

Dissertation: Enhancing Semantic Segmentation Using Locally Learned Histogram Features

Dissertation Chair: Alina Zare

Mark M. Chatfield V

Major: *History*

Dissertation: Guided Group Interaction and the Historical Foundations of the Troubled Teen Industry in the United States, 1942–1974

Dissertation Chair: Joseph F. Spillane

Anik Chattopadhyay

Major: *Computer Science*

Dissertation: Signal Coding and Reconstruction Using Biologically Plausible Spiking Neurons

Dissertation Chair: Arunava Banerjee

Atul Chaudhary

Major: *Chemistry*

Dissertation: Metal Carbonyl Olefin Precursors for Focused Electron Beam-Induced Deposition

Dissertation Chair: Lisa McElwee-White

Mingjing Chen

Major: *Epidemiology*

Dissertation: Longitudinal Lipidomic and Metabolomic Profiles of Left Ventricular Structure, Diastolic Function, and Risk of Coronary Heart Disease in American Indians

Dissertation Chair: Jinying Zhao

Chao-Ching Chiang

Major: *Chemical Engineering*

Dissertation: Fabrication, Characterization, and Applications of Wide Bandgap Semiconductor Devices, Biosensors, and Dental Implant Coatings

Dissertation Chair: Fan Ren

Alec D. Chin-Quee

Major: *Plant Molecular and Cellular Biology*

Dissertation: Functions and Evolution of the BRAP2/BRIZ Protein Family in Plants

Dissertation Chair: Don McCarty

Siddhi Arun Chitre

Major: *Medical Sciences—Cancer Biology*

Dissertation: Investigating Host Bacterial Communication Following *Campylobacter jejuni* Infection

Dissertation Chair: Christian Jobin

Kwansun Cho

Major: *Electrical and Computer Engineering*

Dissertation: Foreign Accent Assessment in Second-Language Vowels

Dissertation Chair: John Gregory Harris

Tyler Carawan Cline

Major: *History*

Dissertation: To Slake the Thirst of Liberty: Transnational Anglo-Saxonism and the Age of Retrenchment, 1830–1890

Dissertation Chair: Jessica Leigh Harland-Jacobs

Catherine Faye Coe

Major: *Curriculum and Instruction—Educational Technology*

Dissertation: Examining the Effects of Student Engagement and Social Influence on Students' Acceptance of a Mobile Application With Confirmatory Factor Analysis and Path Analysis

Dissertation Chair: Albert D. Ritzhaupt

Karen Awura-Adjoa Ronke Coker

Major: *Public Health—One Health*

Dissertation: Assessing the Impact of Multiscale Socio-Environmental Injustices on Mental Health and Well-Being: A Transatlantic Exploration and Amplification of Lived Experiences Across Two Black Geographies

Dissertation Chair: Sarah Lindley McKune

Bradley Ryan Collins

Major: *Anatomical Sciences Education*

Dissertation: A Study of the Subjective Well-Being of Medical Students During Clinical Clerkship Anatomy Sessions

Dissertation Chair: Kyle E. Rarey

Dissertation Co-chair: Kent J. Crippen

Michelle Lynn Commeret

Major: *Curriculum and Instruction*

Dissertation: Developing Identity Literacy Through Photovoice: Snapshots of Curriculum and Learning in English Language Arts

Dissertation Chair: Zhihui Fang

Dissertation Co-chair: Taryn Brown

Mackenzie Leigh Connell

Major: *Public Health—Environmental Health*

Dissertation: Evaluating the Impacts of Volatile Organic Compound (VOC) Toxicity on Development and Reproduction Using the Zebrafish Animal Model

Dissertation Chair: Tracie R. Baker

Matthew G. Cook

Major: *Electrical and Computer Engineering*

Dissertation: Competency Awareness Using Null Space Projections

Dissertation Chair: Alina Zare

Michael Hai Coopman

Major: *Mathematics*

Dissertation: Major Index, Q-Analogues, and Permutation Statistics

Dissertation Chair: Zachary Hamaker

Leah Catherine Corpus

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: Resilient Narratives: Women's Voices in Museums, Monuments, and Memorials in the Aftermath of the Armenian Genocide

Dissertation Chair: Sevan G. Terzian

Julianna Stiehl Costanzo

Major: *Philosophy*

Dissertation: How Do Computing Technologies Impact Justice? A Democratic Egalitarian Perspective

Dissertation Chair: Jaime Ahlberg

Rayven Nychole Crisafulli

Major: *Health and Human Performance—Recreation, Parks and Tourism*

Dissertation: All Are Welcome Here: Event Brand Authenticity, Existential Connection, and Re-Attendance at EDC

Dissertation Chair: Rachel J.C. Fu

Jamie Newland Cruz

Major: *Psychology*

Dissertation: Parent-Infant Reciprocity and Joint Attention During Shared Book Reading and Language Outcomes

Dissertation Chair: Lisa S. Scott

Lihan Cui

Major: *Biomedical Engineering*

Dissertation: Neural Mechanisms of Visual Learning and Emotion Processing: Machine Learning-Aided Studies

Dissertation Chair: Mingzhou Ding

Sarah da Silva Benevenuto

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Stomatal Morphology, Environmental Influence on Flower Bud Initiation, and the Potential for Fall Production in Southern Highbush Blueberry

Dissertation Chair: Gerardo Nunez

Nader F. Dagher

Major: *Mass Communication*

Dissertation: Solidarity Movement With Palestine in the United States

Dissertation Chair: Rachel L. Grant

Dissertation Co-chair: Spiro K. Kiouisis

Chunhua Dai

Major: *Curriculum and Instruction*

Dissertation: Understanding Pretend Play Conceptualization and Actualization of Chinese Early Childhood Educators: A Case Study

Dissertation Chair: Timothy Matthew Vetere

Linda Chi Dao

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Evaluating the Agronomic Traits of Sweet Corn Kernels

Dissertation Chair: A. Mark Settles

Mikayla Yvonne Darrows

Major: *Chemistry*

Dissertation: The Force and the Fellowship: A Tale of Machine Learning Models for Biological Insights

Dissertation Chair: Adrian E. Roitberg

Bishwaprava Das

Major: *Chemistry*

Dissertation: Design and Synthesis of Ru and Mn Organometallic Precursors for Selective Thin Films Deposition via Photoassisted Chemical Vapor Deposition

Dissertation Chair: Lisa McElwee-White

Baylea Nicole Davenport

Major: *Medical Sciences—Genetics*

Dissertation: Mitigation of Placental Insufficiency and Fetal Growth Restriction Through Placental Nanoparticle-Mediated IGF1 Gene Therapy

Dissertation Chair: Helen Nichola Jones

Alexis Ciara Davis

Major: *Linguistics*

Dissertation: Black Mecha(Linguistics): Addressing Antiblackness in Automated Speech Recognition Systems

Dissertation Chair: Alayo Tripp

Dissertation Co-chair: Ratree Wayland

Caroline de Favari Tardivo

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Citrus Rootstock Development From Nursery to the Field and Challenges Associated With HLB

Dissertation Chair: Ute Albrecht

Grace Noel deMeurisse

Major: *Linguistics*

Dissertation: L1 and L2 Processing of Pragmatically Licensed Negative Polarity Items

Dissertation Chair: Edith Kaan

Antonio Luis Diaz

Major: *Aerospace Engineering*

Dissertation: *The Bathy-Drone: An Autonomous Uncrewed Drone-Tethered Sonar System*

Dissertation Chair: Peter G. Ifju

Victoria Catherine Dolce

Major: *Educational Leadership*

Dissertation: *Nou Se Chanjman An: Understanding the Experiences of Educational Leaders Providing School Quality Assurance in Haiti*

Dissertation Chair: Chris Curran

Yiyi Dong

Major: *Forest Resources and Conservation*

Dissertation: *Ecology and Genetics of Invasive Woodboring Beetles*

Dissertation Chair: Jiri Hulcr

Maxine Madeline Donnelly

Major: *English*

Dissertation: *Magic From the Margins: The Uses of Otherness in Youth Fantastic Fiction*

Dissertation Chair: Anastasia Maria Ulanowicz

Kati A. Doxsee

Major: *Medical Sciences—Medical Physics*

Dissertation: *Dosimetric Planning Comparisons and Intrafraction Motion Monitoring Tools for Stereotactic Radiosurgery*

Dissertation Chair: Frank J. Bova

Dissertation Co-chair: Manuel Munoz Arreola

Elizabeth Cupit Dunn

Major: *Nursing Sciences*

Dissertation: *Exploring Nurse-to-Nurse Communication in Oncology Clinical Trial Participant Care: A Qualitative Content Analysis via Within-Methods Triangulation*

Dissertation Chair: Jane M. Carrington

Aditya Dutt

Major: *Computer Science*

Dissertation: *A Multimodal Alignment Network for Domain Translation and Fusion*

Dissertation Chair: Alina Zare

William Grady Dyer

Major: *Linguistics*

Dissertation: *The Syntax of Relative Clauses in Sereer*

Dissertation Chair: Fiona McLaughlin

Dissertation Co-chair: Eric H. Potsdam

Madison Anne Dymont

Major: *Agricultural Education and Communication*

Dissertation: *Journeys of Junior Faculty: Exploring Cross-Sections of Experiences, Curriculum Development, Mentorship, and Identity Among Agricultural and Natural Resources Communication Junior Faculty Members*

Dissertation Chair: Ricky W. Telg

Emine Ecem Ece

Major: *Sociology*

Dissertation: Not available

Dissertation Chair: Kendal Broad

Paul Stuart Edwards

Major: *Physics*

Dissertation: *Tilt-to-Length Simulation and Sideband Locking for the Laser Interferometer Space Antenna*

Dissertation Chair: Paul Fulda

Shaghayegh Esmaeili

Major: *Human-Centered Computing*

Dissertation: Investigating Human Perception of Motion-Based Encoding Techniques for Visualizing Quantitative Data

Dissertation Chair: Eric Ragan

Zavier Gregory Eure

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Investigation Into the Role of Sphingolipids on *Porphyromonas gingivalis* OMV Uptake and Innate Immune Sensing

Dissertation Chair: Frank Gibson III

Analiz Faife Casas

Major: *Romance Languages—Spanish*

Dissertation: *El Hombre Nuevo* al diván: Análisis lacaniano de cuatro películas cubanas del período revolucionario

Dissertation Chair: Martín Sorbille

Macodou Fall

Major: *Religion*

Dissertation: Mediating Bamba: The Exegesis of Islamic Poetry Among Mourides

Dissertation Chair: Benjamin Soares



Tahir Latif Farrukh

Major: *Aerospace Engineering*

Dissertation: Particle Transport and Light Output of Spherical Multiphase Blasts

Dissertation Chair: Sivaramakrishnan Balachandar

Dissertation Co-chair: Ryan William Houim

Mahsan Farzaneh

Major: *Mechanical Engineering*

Dissertation: Numerical Analysis of Frost Deposition in Turbulent Flows Over Cold Surfaces

Dissertation Chair: SA Sherif

Dissertation Co-chair: Sivaramakrishnan Balachandar

Miguel E. Fernandez

Major: *Mechanical Engineering*

Dissertation: Characterization and Modelling of Solute Embrittlement Beyond Flat Grain Boundaries

Dissertation Chair: Douglas Edward Spearot

Ariana M. Figueroa

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Functional and Phenotypic Characterization of Microglia in Response to Alcohol, Inflammagens and Mitragynine

Dissertation Chair: Bin Liu

Roy Thomas Forestano

Major: *Physics*

Dissertation: Interpretable Machine Learning Algorithms for High Energy and Astro-Physics

Dissertation Chair: Jeffrey J. Andrews

Forough Foroutan

Major: *Design, Construction and Planning*

Dissertation: Toward a Resilient Dwelling: Forced Resettlement Places in Receiver Communities

Dissertation Chair: Jeffrey Andrew Carney

Anna Francesca Fusco

Major: *Medical Sciences—Neuroscience*

Dissertation: Axonal Degeneration After Traumatic Spinal Cord Injury

Dissertation Chair: David Fuller

Murad Gafarov

Major: *Political Science*

Dissertation: European Union Enlargement: Between Identity and Pragmatism

Dissertation Chair: Amie Kreppel

Upasana Gayen

Major: *Chemistry*

Dissertation: Enantioselective Catalytic Strategies Using StackPhos-Based Ligands for the Synthesis of Chiral Nitrogen-Containing Compounds: Palladium(II)-Catalyzed Overman Rearrangement and Copper(I)-Catalyzed Borylation Reaction

Dissertation Chair: Aaron Aponick

Gina Marie Gehling

Major: *Nursing Sciences*

Dissertation: Genomic Profiling of Metastatic Breast Cancer

Dissertation Chair: Jennifer Rene Dungan

Kimia Ghaffari

Major: *Mechanical Engineering*

Dissertation: Development of Machine Learning Interatomic Potentials for Advanced Ceramics in Extreme Conditions

Dissertation Chair: Ghatu Subhash

Dissertation Co-chair: Douglas Edward Spearot

Sourath Tarun Ghosh

Major: *Physics*

Dissertation: Estimating the Arm Locking Noise Performance and the Feasibility of Detecting the Gravitational Memory Effect With the New LISA Design

Dissertation Chair: Guido Müller

Dissertation Co-chair: Paul Fulda

Cassidy Leigh Gibson

Major: *Computer Science*

Dissertation: Characterizing Intimate Abuse Ecosystems

Dissertation Chair: Patrick Traynor

Dissertation Co-chair: Kevin Butler

Angel Lille Gonzalez Smith

Major: *Economics*

Dissertation: Essays on Expectations and International Macroeconomics

Dissertation Chair: Eugenio Ignacio Rojas Barros

Niloofar Gopal Pour

Major: *Chemistry*

Dissertation: Investigating the Human GPCRs' Interactions With G-Protein and Allosteric Modulators From a Structural Perspective

Dissertation Chair: Matthew T. Eddy

Natalya Mariabella Green

Major: *Educational Leadership—Educational Policy*

Dissertation: Cancer College: An Arts-Based Narrative Inquiry on the Experiences of College Students Diagnosed With Cancer

Dissertation Chair: Chris Curran

Adam Daniel Gregory

Major: *Mathematics*

Dissertation: Utilizing Combinatorial Models for Schubert Polynomials

Dissertation Chair: Zachary Hamaker

Amanda Elizabeth Griffith

Major: *Human-Centered Computing*

Dissertation: Investigating Human-AI Co-Creativity in Narrative Writing

Dissertation Chair: Kristy Boyer

Christopher Kevin Gulick

Major: *Wildlife Ecology and Conservation*

Dissertation: Dispersal, Survival, and Regional Habitat Use of the American White Ibis

Dissertation Chair: Abby Powell

Rachel Elizabeth Gunraj

Major: *Medical Sciences—Neuroscience*

Dissertation: PFKFB3 as a Novel Target to Modulate the Inflammatory Response After Ischemic Stroke

Dissertation Chair: Eduardo Candelario-Jalil

Seth Hale

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Effects of Histone Deacetylase Degradation by Proteolysis Targeting Chimeras

Dissertation Chair: Daiqing Liao

Jaime Harsell

Major: *Higher Education Administration*

Dissertation: Subbaccalaureate Credential and Credit Performance in the Labor Market: A Systematic Synthesis of the Literature From 2004 to 2024

Dissertation Chair: Justin C. Ortagus

Chang He

Major: *Design, Construction and Planning—Architecture*

Dissertation: *Spiritual Space in the Rustic Order*

Dissertation Chair: Hui Zou

Hope Lynn Hersh

Major: *Plant Molecular and Cellular Biology*

Dissertation: *Advancing of Sweet Corn Breeding, Heat Tolerance Mechanisms, and Radiation Resilience for Sustainable and Space-Based Food Production*

Dissertation Chair: A. Mark Settles

Nicholas McEwan Hiers

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: *The Life and Death of Animal MicroRNAs*

Dissertation Chair: Mingyi Xie

Li-Yin Hsiao

Major: *Chemical Engineering*

Dissertation: *IrO₂-Based Oxide Catalysts in Methane Oxidation Reactions*

Dissertation Chair: Helena E. Hagelin-Weaver



Jingzhou Hu

Major: *Computer Science*

Dissertation: A Unified View for Identifiable Latent Representation Learning via Matrix Volume Optimization

Dissertation Chair: Kejun Huang

Xiaojun Hu

Major: *Chemistry*

Dissertation: Chiral Conjugate Base Stabilized Brønsted Acids and Their Applications in Catalytic Asymmetric Reactions

Dissertation Chair: Daniel Seidel

Miao Huang

Major: *Mechanical Engineering*

Dissertation: Cancer Mechanobiology: Manipulating and Recording the Mechanical Forces in Nucleus and Cell to Inhibit Drug-Resistance

Dissertation Chair: Xin Tang

Shu Huang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Risk Prediction of Suicide-Related Outcomes in Patients With Prescription Opioid Use

Dissertation Chair: Amie J. Goodin

Dissertation Co-chair: Tianze Jiao

Owen Huw Hudson

Major: *Plant Pathology*

Dissertation: Investigating Fusarium Ear Rot of Maize Using Comparative Genomics, Selection Models, and Machine Learning

Dissertation Chair: Jeremy T. Brawner

Larissa Iapicca

Major: *Nursing Sciences*

Dissertation: Lactation Outcomes Among Mothers of Infants With Congenital Heart Disease

Dissertation Chair: Leslie Ann Parker

Lindsey Anne Ives

Major: *Psychology*

Dissertation: Quantifying the Value of Social Interaction Using Behavioral Economic Demand

Dissertation Chair: Jesse Dallery

Desmond Lee Jeff

Major: *Astronomy*

Dissertation: Characterizing the Energetics and Chemistry of High Mass Star-Forming Regions in Galactic Centers

Dissertation Chair: Adam Ginsburg

Tre' Ryan Jeter

Major: *Computer Science*

Dissertation: A Foundational Paradigm of Federated Learning

Dissertation Chair: My Thai

Shizhen Jia

Major: *Health and Human Performance—Recreation, Parks and Tourism*

Dissertation: Digital Technologies Reshaping Human Experiences: Three Essays on Concurrent Technology Issues

Dissertation Chair: Hengxuan Chi

Ziqi Jia

Major: *Electrical and Computer Engineering*

Dissertation: MRI Compatible Multifunctional Neural Probe

Dissertation Chair: Yong-Kyu Yoon

Beining Jin

Major: *Chemistry*

Dissertation: Developing Nuclear Magnetic Resonance Strategies to Study Function-Related Dynamics of G Protein-Coupled Receptors

Dissertation Chair: Matthew T. Eddy

Xu Jin

Major: *Design, Construction and Planning—Interior Design*

Dissertation: Exploring Integrative Lighting's Effect on Psychophysiological Response and Cognition: An Immersive Virtual Environment

Dissertation Chair: Nam-Kyu Park

Dissertation Co-chair: Luis Mejia-Puig

Yisen Jin

Major: *Statistics*

Dissertation: Topics in Structured Statistical Learning

Dissertation Chair: Aaron J. Molstad

Vishwas Jindal

Major: *Health and Human Performance—Biobehavioral Science*

Dissertation: Characterization of Brain-Wide Functional Connections With Medullary Regions Involved in Forelimb Movement Control

Dissertation Chair: Shahab Vahdat

Yue Jing

Major: *Geography—Geographic Information Systems*

Dissertation: Social and Economic Dimensions of Urban Commuting Efficiency

Dissertation Chair: Yujie Hu

Kenesma Delandra Vanterpool John

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: I Am More than My Hair: A Closer Look at Black Girls' Hair Experiences

Dissertation Chair: Chonika Coleman-King

Jason Johnson

Major: *Mathematics*

Dissertation: Some New Results on Sums of the Möbius Function in Number Theory

Dissertation Chair: Krishnaswami Alladi

Tonika Jamila Jones

Major: *Curriculum and Instruction—Educational Technology*

Dissertation: Exploring Black Girls' Sources of Self-Efficacy for Artificial Intelligence During an Informal Learning Experience

Dissertation Chair: Pavlo D. Antonenko

Marialal Joseph

Major: *Higher Education Administration*

Dissertation: Exploring the Dynamics of Kerala Students' Motivations to Pursue International Higher Education

Dissertation Chair: Cliff Haynes

Ezequiel Juarez Garcia

Major: *Electrical and Computer Engineering*

Dissertation: System-Wide Uncertainty Quantification and Information Fusion Using Interpretable Machine Learning

Dissertation Chair: Nicholas Napoli

Antonio Diego Alejandro Juárez-Sánchez

Major: *Wildlife Ecology and Conservation*

Dissertation: A Non-Native Consumer and Its Interactions With Native Predators: The South American Armored Catfish (*Pterygoplichthys* sp.) in Northern Guatemala

Dissertation Chair: Christina M. Romagosa

Sebastian Jugl

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Pregnancy after Cancer: Pregnancy Rates, Healthcare Related Costs, and Risk of Preterm Birth Among Young Cancer Survivors

Dissertation Chair: Almut G. Winterstein

Dissertation Co-chair: Amie J. Goodin

Tahmid Kaisar

Major: *Electrical and Computer Engineering*

Dissertation: Nonlinear Dynamics of Micro/Nanoelectromechanical System Oscillators for Solving Combinatorial Optimization Problems

Dissertation Chair: Philip Feng

Caio Kalil Lauand

Major: *Electrical and Computer Engineering*

Dissertation: The Curse of Memory in Stochastic Approximation and How to Break It

Dissertation Chair: Sean Meyn

Ilia Kapelevich

Major: *Economics*

Dissertation: Three Essays in Applied Microeconomics

Dissertation Chair: Robert M. Ainsworth

Amanpreet Kapoor

Major: *Human-Centered Computing*

Dissertation: Computing Undergraduate Students' Participation in Internships: Experiences, Preparation, and Barriers

Dissertation Chair: Christina Gardner McCune

Wyatt Wilson Kelch

Major: *Civil Engineering*

Dissertation: Mitigating Uncertainty in Geotechnical Design Through Full-Scale Construction Monitoring for the Development of Safer and More Efficient Geotechnical Structures

Dissertation Chair: Michael B. Rodgers

Shailina Amin Keshwani

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Analgesic Use, Risk of Cardiovascular Diseases and Effectiveness of Beta Blockers in Medicare Population With Osteoarthritis and Co-Existing Hypertension

Dissertation Chair: Steven M. Smith

Rebecca Sue Key

Major: *Botany*

Dissertation: Microbial Dynamics Across Spatiotemporal and Environmental Gradients in Boreal and Oceanic Biomes

Dissertation Chair: Bryndan P. Durham

Dissertation Co-chair: Stuart McDaniel

Daniel Dong-Wook Kim

Major: *Business Administration—Management*

Dissertation: To Lead Is to Err: Threat and Opportunity as a Lens to Examine Leaders' Error Responses and Subsequent Leader Perceptions

Dissertation Chair: Klodiana Lanaj

Kelly Brianna Kirkpatrick

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Immunophenotyping SARS-CoV-2 Breakthrough Infections

Dissertation Chair: Rolf Renne

Kristopher Thomas Klann

Major: *Higher Education Administration*

Dissertation: Impact of New Student Orientation Peer Socialization Activities on New Student Sense of Connection

Dissertation Chair: Justin C. Ortagus

Steven P. Klepac

Major: *Civil Engineering*

Dissertation: A Machine Learning Approach to Forecasting Hurricane Impacts to Infrastructure

Dissertation Chair: Arthriya Subgranon

Patrick Mitchell Kmiecik

Major: *Business Administration—Accounting*

Dissertation: The Cost of Controversy: Negative Publicity and Auditor Salaries

Dissertation Chair: W. Robert Knechel

Alexandra Wilson Knerr

Major: *Psychology*

Dissertation: Vaping as Operant Behavior: The Role of Alternative Reinforcement

Dissertation Chair: Jesse Dallery

Deep Kundu

Major: *Mathematics*

Dissertation: Minimum Number of Critical Points and Lusternik-Schnirelmann Category

Dissertation Chair: Alexander Dranishnikov

Tracey Leanne Kyles

Major: *Mass Communication*

Dissertation: Divided, We Brand: Navigating Agenda Building, Political Meme Culture, and Political Market Rivalry

Dissertation Chair: Thomas A. Kelleher

Oluwatoyin Oluwakayode Lawal

Major: *Design, Construction and Planning—Architecture*

Dissertation: Blockchain-Enabled City Information Modeling for Asset Lifecycle Management

Dissertation Chair: Nawari Nawari

Jaehyeon Lee

Major: *Soil, Water, and Ecosystem Sciences—Hydrologic Sciences*

Dissertation: Effects of Climate Seasonality on River Flows, Water Quality, and Lakes

Dissertation Chair: James W. Jawitz

Wonki Lee

Major: *Criminology, Law, and Society*

Dissertation: Testing Integrative Theories of Adolescent Deviance: Focusing on the Models of Elliott et al. (1979), Hayes (1997), and Thornberry (1987)

Dissertation Chair: Abigail A. Fagan

Motomori Oluwatumininu Lewis

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Geographic Variation Patterns of Quality Measures for Prescription Opioid Use and Treatment of Opioid Use Disorder Among Medicare Beneficiaries

Dissertation Chair: Wei-Hsuan “Jenny” Lo-Ciganic

Bowen Li

Major: *Chemistry*

Dissertation: Synthetic Methodology Development of Alpha-Functionalized Saturated Heterocycles

Dissertation Chair: Daniel Seidel

Henian Li

Major: *Electrical and Computer Engineering*

Dissertation: Pre-Silicon Physical Attack Modeling and Assessment

Dissertation Chair: Mark Tehranipoor

Zhongzheng Li

Major: *Chemistry*

Dissertation: Asymmetric Conjugate-Base-Stabilized Carboxylic Acid Catalysis

Dissertation Chair: Daniel Seidel

Karen M. Libby

Major: *English*

Dissertation: Literary Community Building: Twentieth-Century Alternative Publishing

Dissertation Chair: Margaret Galvan

Alexander Spencer Lim

Major: *Biomedical Engineering*

Dissertation: Measurement Model to Reinforce Outcomes of Microelectrodes Used in Neural Interfaces

Dissertation Chair: Kevin Otto

Dissertation Co-chair: Christine E. Schmidt

Jinxiu Liu

Major: *Special Education—Early Childhood Studies*

Dissertation: Parents' Practices and Perceptions of Shared Book Reading With Chinese-English Dual Language Learners

With Disabilities: A Mixed Methods Study

Dissertation Chair: Melinda Leko

Lijun Liu

Major: *Food and Resource Economics*

Dissertation: Three Essays on Sustainability and Risk Assessment in Aquaculture

Dissertation Chair: James L. Anderson

Dissertation Co-chair: Frank Asche

Qianchen Liu

Major: *Chemistry*

Dissertation: Computer-Aided Peptide Design Towards Targeted Proteins for Targeted Immunotherapy

Dissertation Chair: Alberto Perez

Qipeng Liu

Major: *Design, Construction and Planning—Construction Management*

Dissertation: How Building Occupants Perceive and Utilize Information From Dynamic Intelligent Wayfinding

Guidance Systems

Dissertation Chair: Rui Liu

Rongzi Liu

Major: *Biostatistics*

Dissertation: Advanced Machine Learning and Statistical Methods for Genetic Survival Analysis and Single-Cell eQTL Detection

Dissertation Chair: Qing Lu

Xiaolu Liu

Major: *Curriculum and Instruction*

Dissertation: Chinese Immigrant Families' Parent-Child Shared Book Reading Interaction Patterns in the United States

Dissertation Chair: Sara Ashley Smith

Jason D. Livesay

Major: *Chemical Engineering*

Dissertation: Experiments on Resonance Instability Under Variable Gravity Environments

Dissertation Chair: Ranga Narayanan

Maedeh Lotfi

Major: *Mechanical Engineering*

Dissertation: Measuring and Modeling of Alignment in Engineered Tissue Constructs

Dissertation Chair: Malisa Sarntinoranont

Dissertation Co-chair: Ghatu Subhash

Dreyton J. Lott

Major: *Environmental Engineering Sciences*

Dissertation: Assessing the Design, Operation, and Performance of Constructed Wetlands in the Treatment of Landfill Leachate

Dissertation Chair: Timothy G. Townsend

Jean Danielson Louis

Major: *Computer Science*

Dissertation: Unfair Size Advantage: Exploring Quantize Facial Recognition Models' Impact on Class Accuracy

Dissertation Chair: Juan E. Gilbert

Olatunde Oladimeji Madandola

Major: *Nursing Sciences*

Dissertation: Investigating the Relationship Between Electronic Health Records User Interface Features and Data Quality of Patient Clinical Information

Dissertation Chair: Gail Keenan

Dissertation Co-chair: Ragnhildur Bjarnadottir

Arun M. Madhu

Major: *Physics*

Dissertation: Search for the Lepton Flavor Violating Neutrinoless Decay of Tau Lepton to Three Muons in Proton-Proton Collisions at LHC

Dissertation Chair: Andrey Korytov

Dissertation Co-chair: Yuta Takahashi

Azad Madhu

Major: *Environmental Engineering Sciences*

Dissertation: Simulation of Secondary Organic Aerosol Formation From Alkanes and Complex Hydrocarbon Mixtures

Dissertation Chair: Myoseon Jang

Sean Patrick Mandrick

Major: *Mathematics*

Dissertation: On the Inversion Graphs of Permutations

Dissertation Chair: Vincent Vatter

Costanza Manes

Major: *Wildlife Ecology and Conservation—Tropical Conservation and Development*

Dissertation: Integrative Assessment of Fibropapillomatosis Dynamics in Aggregations of Green Turtles (*Chelonia mydas*) From the Northeastern Florida Gulf

Dissertation Chair: Raymond R. Carthy

Dissertation Co-chair: Ilaria Capua

Pavan Kumar Mangipudi

Major: *Electrical and Computer Engineering*

Dissertation: Radio Access Network Optimizations for Beyond 5G Networks

Dissertation Chair: Janise Y. McNair

Julian Richard Mark

Major: *Medical Sciences—Neuroscience*

Dissertation: Immune Dysregulation and Metabolic Deficits in Parkinson's Disease: Insights From Peripheral Immune Cell Stimulations

Dissertation Chair: Malú Gámez Tansey

Erin Morgan Marshall

Major: *Chemistry*

Dissertation: No Pain No Gain—Analgesic Natural Product Discovery From Unique Microbes

Dissertation Chair: Sandra Loesgen

Julio Antonio Martin

Major: *Counseling Psychology*

Dissertation: Depression and Anxiety in Caregivers of LGBTQ Youth: Race and Social Justice as Moderators

Dissertation Chair: Roberto L. Abreu

Nicholas W. Martin

Major: *Entomology and Nematology*

Dissertation: Secondary Defenses and Their Signals in a Soft Bodied Insect: The Role of Host-Plant Association in Predator Learning

Dissertation Chair: Heather J. McAuslane

Juan Manuel Martínez

Major: *Romance Languages—Spanish*

Dissertation: Ser es ser retratado: El cuerpo, la imagen emergente y la transición posthumana hacia el mundo de la simulación en la ficción especulativa latinoamericana (1890–2018)

Dissertation Chair: Libby Ginway

Samantha Grace Martinusen

Major: *Chemical Engineering*

Dissertation: High-Throughput Tools for Protease Reprogramming: Inhibitor Discovery and Drug Screening

Dissertation Chair: Carl Andre Denard

Sharon Njoki Mburu

Major: *Rehabilitation Science*

Dissertation: The Remote Assessment of Gait and Balance Status of Older Adults in the Home

Dissertation Chair: Consuelo M. Kreider

Dissertation Co-chair: Sergio Romero

Caitlin Anna McCadden

Major: *Chemistry*

Dissertation: Discovery of Novel Terpene Synthases and Characterization of Oxidative Transformations in Diterpenoid Biosynthesis

Dissertation Chair: Jeffrey Daniel Rudolf

Haleh Mehdipour

Major: *Design, Construction and Planning—Construction Management*

Dissertation: Temporal and Spatial Interaction of Housing and Respiratory Health, Case Study: Health Zone 1 Communities in Jacksonville

Dissertation Chair: Jason Kyle von Meding



Parsshava Mehta

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Paving the Way for Levetiracetam PR: How Model-Informed Drug Development Drives Regulatory Strategy

Dissertation Chair: Valvanera Vozmediano Esteban

Dissertation Co-chair: Stephan Schmidt

Philip Walker Melchert

Major: *Pharmaceutical Sciences—Clinical Pharmaceutical Sciences*

Dissertation: Screening of CNS Active Dietary Supplements for CES1 Inhibition

Dissertation Chair: John S. Markowitz

Tanmaya Mishra

Major: *Physics*

Dissertation: Searches for Intermediate Mass Black Holes With LIGO

Dissertation Chair: Sergey Klimenko

Martina Monaco

Major: *Geology*

Dissertation: The Thermochemical Hawaiian Plume and Its Dynamic Interplay With the X-Discontinuity: A Novel Computational Approach

Dissertation Chair: Raymond M. Russo

Myra Antoinette Monreal

Major: *Civil Engineering*

Dissertation: Navigating Blind Spots: Data and Methodological Limitations in Safety Assessment of Emerging Transportation Modes

Dissertation Chair: Siva Srinivasan

Andrew James Moore

Major: *Medical Sciences—Neuroscience*

Dissertation: Identification of Prospective Predictors of Alcohol Initiation During Early Adolescence

Dissertation Chair: Sara Jo Nixon

Dissertation Co-chair: Ben Lewis

Joyce C. Morales Aparicio

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Determining the Role of Bile Acids in Norovirus Intestinal Disease and Neonatal Bile Acid Metabolism

Dissertation Chair: Stephanie Karst

Manuel Antonio Morales Mite

Major: *Wildlife Ecology and Conservation*

Dissertation: The Galapagos Grouper (*Mycteroperca olfax*) Fishery Social-Ecological System: Guidelines for Conservation and Management

Dissertation Chair: Nia Morales

Dissertation Co-chair: Steve A. Johnson

Meredith Chandler Mordecai

Major: *English*

Dissertation: Healing Hashtags: A Case Study of #HealingJourney, Circulation, Solidarity, and the Rhetoric of Healing on TikTok

Dissertation Chair: Laura Gonzales

Andres Felipe Munoz Gomez

Major: *Economics*

Dissertation: Essays on Political Economics and Antitrust Market Analysis

Dissertation Chair: Robert M. Ainsworth

Spencer Gregory Norman Murphy

Major: *Counseling and Counselor Education—Mental Health Counseling*

Dissertation: The Culmination of Advocacy: An Exploration of Corrections Counselors' Perspectives on Client Advocacy and Liberation Frameworks

Dissertation Chair: Sondra Lori Smith

Nam Hai Ky Nguyen

Major: *Pharmaceutical Sciences—Clinical Pharmaceutical Sciences*

Dissertation: CRISPR/Cas9 Screening to Identify Modulators of Chemotherapy Response in Pediatric Acute Myeloid Leukemia (AML)

Dissertation Chair: Jatinder Lamba

Yuqiang Ning

Major: *Civil Engineering*

Dissertation: Robust and Resilient Distributed Coordinated Route Navigation Systems for Traffic Congestion Mitigation in Unstable and Malicious Cyber Environments

Dissertation Chair: Lili Du

Dianna Marie Nord

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Intracellular Complement C3 and Its Noncanonical Roles in Neutrophil Homeostasis and Inflammation

Dissertation Chair: Carl Atkinson

Claudia Lorena Del Pilar Odgers Ascencio

Major: *Criminology, Law, and Society*

Dissertation: Perceived Informal Social Support and Desistance From Crime: A Qualitative Study of Chilean Men With a History of Criminal Involvement

Dissertation Chair: Rebecca Annice Hanson

Dissertation Co-chair: Jodi Lane

Similoluwa Olamipeju Ogundare

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: SH2B3 Regulates Inflammatory Responses in Endothelial Cells

Dissertation Chair: Clayton Mathews

Dissertation Co-chair: Todd M. Brusko

Gabriel Oliveira Matsumoto

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Unveiling the Genetic Potential of *Vaccinium stamineum*: A Multi-Omics Approach to Anthocyanin Biosynthesis and Accumulation

Dissertation Chair: Patricio Ricardo Muñoz del Valle

Damilola Adeniyi Onatayo

Major: *Design, Construction and Planning—Construction Management*

Dissertation: Understanding the Photo-Optics' Spatial and Temporal Changes of a Solar Spectrum Light Beam Through Single Glazing, as Detected by a Full Spectrum Camera

Dissertation Chair: Ravi Shankar Srinivasan

Marisa Olivia Pacheco

Major: *Chemical Engineering*

Dissertation: Understanding the Formation and Function of Crystalline Domains in Silk Fibroin Across Biomaterial Formats

Dissertation Chair: Whitney L. Stoppel

Ramón Francisco Padín Monroig

Major: *Materials Science and Engineering*

Dissertation: Thermodynamic and Kinetic Evaluation of Iron-Carbon Alloys in High Magnetic Fields for Thermomagnetic Processing

Dissertation Chair: Michele V. Manuel

Kausturi Parui

Major: *Materials Science and Engineering*

Dissertation: Homologues of Transition Metal Oxides and Their Electrochemical Cycling

Dissertation Chair: Megan Marie Butala

Kimberly Paulsen

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: KSHV miRNAs Target STING to Evade Innate Immunity and Facilitate KSHV Lytic Reactivation From Latency

Dissertation Chair: Zhe Ma

Tiffany Robi Pennamon

Major: *English*

Dissertation: *The Revolution Within and Without: Black Art as Worldmaking Cultural News and Call to Aliveness*

Dissertation Chair: Debra Walker King

Naipy C. Perez

Major: *Medical Sciences—Medical Physics*

Dissertation: *Lattice Radiotherapy: A Novel Approach for the Treatment of Advanced Cervical Cancer: Clinical Implementation and Biological Equivalent Dose*

Dissertation Chair: Manuel Munoz Arreola

Eliany Perez Ramirez

Major: *Psychology*

Dissertation: *Exploring Age-Related Changes in Navigational Decision-Making*

Dissertation Chair: Steven M. Weisberg

William S. Perry

Major: *Physics*

Dissertation: *Reverse Modeling in Thin Film Characterization, Molecular Design, and Rogue Phonon Wave Simulation*

Dissertation Chair: Xiaoguang Zhang



Ignacio Javier Pickering

Major: *Chemistry*

Dissertation: Implementation and Development of Computational Protocols for the Application of Atomistic Neural Network Potentials to Biomolecular Simulations

Dissertation Chair: Adrian E. Roitberg

Jacob William Posey

Major: *Aerospace Engineering*

Dissertation: Multiphase Modeling of Reactive Polydisperse Aluminum Particles

Dissertation Chair: Ryan William Houim

Barclay Blount Powell

Major: *Animal Sciences—Domestic Animal Genomics*

Dissertation: Preliminary Genetic Analysis of Traits Under Selection For Behavior and Morphological Variation in the Horse

Dissertation Chair: Samantha Brooks

Jackson Connor Powers

Major: *Chemical Engineering*

Dissertation: Engineered Protein-Based Vesicle Systems towards the Development of an Advanced Synthetic Cell Platform

Dissertation Chair: Yeongseon Jang

Gabrielle Pereira Quadrado

Major: *Geography—Climate Science*

Dissertation: Exploring Linkages Between Oceanographic Processes and Coastal Change Through Extreme Total Water Levels along the Coastlines of the United States

Dissertation Chair: Katherine Serafin

Laura Elena Quintana

Major: *Higher Education Administration*

Dissertation: A Case Study of Student Conduct Systems in Higher Education

Dissertation Chair: Justin C. Ortagus

Priyanka Ramlakhan

Major: *Religion—Women's/Gender Studies*

Dissertation: A Woman's Place Is on the *Singhasan*: The Emergence of *Panditas* as Hindu Religious Leaders in Trinidad

Dissertation Chair: Vasudha Narayanan

Arka Prabha Ray

Major: *Chemistry*

Dissertation: Membrane Lipids Regulate Functioning of G Protein-Coupled Receptors

Dissertation Chair: Matthew T. Eddy

Sarah Lynn Leilehua Redding

Major: *Geology*

Dissertation: Finding Missing Pieces: What Do Instructors Expect Concerning Student Skills and Readiness when Starting an Undergraduate STEM Course & What Organics are Preserved in Basaltic Lava Tubes and Associated Salts From the Craters of the Moon National Monument

Dissertation Chair: Anita Marshall

Morgan Elizabeth Reeves

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: CXCR6 Signaling in Hepatocellular Carcinoma to Better Understand the Underlying Mechanisms of Sorafenib Resistance

Dissertation Chair: Siobhan Malany

Muhammad Shahroze Rehman

Major: *Curriculum and Instruction—Educational Technology*

Dissertation: Exploring the Relationship Between System Usability, Cognitive Load, Working Memory, and Performance in a Virtual Reality (VR) Based Learning Environment

Dissertation Chair: Albert D. Ritzhaupt

Dissertation Co-chair: Pavlo D. Antonenko

Marlon Antonio Retana Cordero

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Phosphorus Nutrition in Blueberry: Physiological, Morphological, Phenological, and Yield Responses

Dissertation Chair: Gerardo Nunez

Theodore Richardson

Major: *Astronomy*

Dissertation: A Framework for Modeling Evolution of the Core Mass Function

Dissertation Chair: Adam Ginsburg

Dillon Ray Lee Rickertsen

Major: *Chemistry*

Dissertation: Developing New Synthetic Tools for the α -C-H Bond Functionalization of Alicyclic Amines

Dissertation Chair: Daniel Seidel

Simon S. Riley

Major: *Agronomy*

Dissertation: Statistical Methods for the Modeling of Crop Root System Distribution in Minirhizotron Studies

Dissertation Chair: Edzard van Santen

Paula Alicia Rios Glusberger

Major: *Microbiology and Cell Science*

Dissertation: Comprehensive Strategies for Mitigating Citrus Greening Disease: From Foliar Treatments to Transgenic Solutions

Dissertation Chair: Eric Triplett

Alycia Renee Rivet

Major: *Rehabilitation Science*

Dissertation: Speech-Language Pathologist Interpretation of Videofluoroscopic Swallow Studies

Dissertation Chair: Karen W. Hegland

Richard Brandon Roberts

Major: *Health and Human Performance—Biobehavioral Science*

Dissertation: Locomotor Learning During Uncertainty

Dissertation Chair: Rachael Seidler

Anna Genevieve Rodell

Major: *Curriculum and Instruction*

Dissertation: Learning to Be (In) Community: Oral Histories of a Colonia in the Texas Borderlands

Dissertation Chair: Chonika Coleman-King

Paloma Rodriguez

Major: *Classical Studies*

Dissertation: *Sordida Scorta*: The Social and Physical Stigma of Roman Prostitutes

Dissertation Chair: Konstantinos Kapparis

Ivette Rodríguez Berdote

Major: *English*

Dissertation: “The Way of the Saints”: Orichas in Women’s Writing of the Caribbean

Dissertation Chair: Tace Megan Hedrick

Sourav Roy

Major: *Electrical and Computer Engineering*

Dissertation: Dual-Purpose Circuits for Detection of Chip Aging and Anomalies

Dissertation Chair: Domenic J. Forte

Soo Yon Ryu

Major: *Business Administration—Marketing*

Dissertation: Essays on Ethical Consumption: The Effects of Visual Complexity Cues and Moral Beliefs

Dissertation Chair: Aner Sela

Dissertation Co-chair: Chris Janiszewski

Sara Elizabeth Salgado Astudillo

Major: *Entomology and Nematology*

Dissertation: Biological Control for Earleaf Acacia in Florida, United States

Dissertation Chair: Carey Minter

Magdalena Maria Samojlik

Major: *Biomedical Engineering*

Dissertation: Engineering a Three-Dimensional in vitro Hydrogel Platform to Enable the Temporal and High Content

Investigation of T Cell Dynamics and Cytotoxic Responses to Pancreatic Beta Cell Targets

Dissertation Chair: Cherie Stabler

Barbara Caridad Sanchez

Major: *Sociology*

Dissertation: Digital Natives' Perceptions of and Experiences With Online Privacy and Cyberstalking: A Qualitative Examination

Dissertation Chair: Marian J. Borg

Firmansyah Tri Saputra

Major: *Animal Molecular and Cellular Biology*

Dissertation: Dairy Production in Developing Countries With Focus on Mastitis and Heat Stress

Dissertation Chair: Corwin Nelson



William James Schap III

Major: *Astronomy*

Dissertation: The Effect of Birth Environment on the Formation and Detection of Exoplanets and Astrobiological Life

Dissertation Chair: Elizabeth Anne Lada

Michael Russell Schuster

Major: *Religion*

Dissertation: Salafism in Tunisia

Dissertation Chair: Terje Østebø

Julia Irene Schwieg

Major: *Chemistry*

Dissertation: Quantifying Localized Heating in Plasmon-Induced Photothermal Catalysts

Dissertation Chair: Wei David Wei

Michael Alan Scofield

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: Bucking the Norms: Examining the Role of Advanced Placement and Dual Enrollment in the College Success of First-Generation Students Through a (Counter)Narrative Inquiry

Dissertation Chair: Chonika Coleman-King

Edward Elmer Seh-Taylor

Major: *Anthropology*

Dissertation: A Mixed Methods Investigation of Community Engagement in Translational Research: The University of Florida—Florida State University Clinical and Translational Science Award

Dissertation Chair: Christopher McCarty

Sarah Elizabeth Ser

Major: *Epidemiology—Data Sciences Epidemiology*

Dissertation: Identifying and Predicting Hospital-Induced Delirium in Medical-Surgical Patients Using Electronic Health Record Data, Computable Phenotyping, and Causal Machine Learning

Dissertation Chair: Mattia Prosperi

Arash Shad

Major: *Mechanical Engineering*

Dissertation: Heat Transfer and Ice Accretion on Aircraft Wings in Supercooled Clouds

Dissertation Chair: SA Sherif

Dissertation Co-chair: Sivaramakrishnan Balachandar

Shivani Parag Shah

Major: *Astronomy*

Dissertation: Cosmic Origins of Heavy Elements With Stellar Archaeology

Dissertation Chair: Rana Ezzeddine

Bhavna Sharma

Major: *Sociology*

Dissertation: Constructing a Prototype for Wise Organizations and Wise Leadership Through a Cross-Cultural, Mixed-Methods Study

Dissertation Chair: Monika Ardelt

Brittany Rose Shaughnessy

Major: *Mass Communication*

Dissertation: The Modern American Zeitgeist: Examining the Impact and Emotion of Alternative Media on Democracy

Dissertation Chair: Myiah Hutchens

Zhihang Shen

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Discovery of PRMT5 Inhibitors

Dissertation Chair: Chenglong Li

Qian Shi

Major: *Design, Construction and Planning—Construction Management*

Dissertation: Performance Optimization of Acoustic Numerical Simulation by Spatio-Temporal Predictive Neural Network

Dissertation Chair: Ian Flood

Dissertation Co-chair: Hassan Azad

Shankar Shrestha

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: Nutrient Management Strategies to Improve Tree Performance, Fruit Quality, and Productivity of HLB-

Affected Citrus Grown in Florida Sandy Soil

Dissertation Chair: Arnold Walter Schumann

Shreemoyee Sil

Major: *Anthropology*

Dissertation: Navigating Care: A Study of Pediatric Cancer Patients Undergoing Palliative Care in Delhi, India

Dissertation Chair: Adrienne E. Strong

Rachel Messier Silva

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: Exploring the Complexity of Inclusive Practice in Teacher Preparation: A Chat-Informed Analysis of Teacher Educators' Understandings, Practices, and Contexts

Dissertation Chair: Alyson Joyce Adams

William A. Sims Jr.

Major: *Computer Science*

Dissertation: Graph-Based Configuration Spaces: Convex Covering, Flattening, and Counting via Edge Contractions and Flips

Dissertation Chair: Meera Sitharam

Ethan Daniel Smith

Major: *Medical Sciences—Neuroscience*

Dissertation: Functional and Structural Insights Into Tau Pathogenesis: Implications of Post-Translational Modifications and Prion-Like Propagation in Neurodegenerative Diseases

Dissertation Chair: Benoit Giasson

Dissertation Co-chair: David Ralph Borchelt

Julia Rachel Smith

Major: *Interdisciplinary Ecology—Wildlife Ecology and Conservation*

Dissertation: Unraveling Trap-Based Bycatch: Interdisciplinary Approaches to Understand, Assess, and Mitigate Sea Turtle Bycatch in Florida Trap Fisheries

Dissertation Chair: Raymond R. Carthy

Samantha Marie Smith

Major: *Medical Sciences—Neuroscience*

Dissertation: Decline of Paired Associates Learning in Aging and Traumatic Brain Injury

Dissertation Chair: Sara Nicole Burke

Konstantina Sokratous

Major: *Psychology*

Dissertation: Machine Learning Approaches for the Discovery of Latent Structures

Dissertation Chair: Brian Odegaard

Jason E. Steward

Major: *Agricultural Education and Communication*

Dissertation: A Major Decision: The Influence of Personal Identity Characteristics on Major and Career Choice of Students in Agricultural Education and Communication or Geomatics

Dissertation Chair: Grady Roberts

Michael C. Stoop

Major: *Anthropology*

Dissertation: Reclaiming Literacy: Choctaw Literacy (Re)Appropriation From 1824 to 2024

Dissertation Chair: George Aaron Broadwell

Kimberly J. Stubbs

Major: *Mechanical Engineering*

Dissertation: Teleoperated Functional Electrical Stimulation Actuated Rehabilitative Cycling

Dissertation Chair: Warren E. Dixon

Vignesh Subramaniam

Major: *Mechanical Engineering*

Dissertation: Functional Tissue Models and Robust Soft Materials for Bioprinting and Tissue Engineering

Dissertation Chair: Thomas Ettore Angelini

Chaoyue Sun

Major: *Electrical and Computer Engineering*

Dissertation: Advanced Graph Neural Networks for Infectious Disease Dynamics

Dissertation Chair: Ruogu Fang

Huanbo Sun

Major: *Physics*

Dissertation: Dark Matter Direct Detection With HVeV Detector

Dissertation Chair: Tarek Saab

Yuchen Sun

Major: *Computer Science*

Dissertation: Identifiability and Algorithmic Advances in Complete and Overcomplete Dictionary Learning With Extensions to Tucker Decomposition

Dissertation Chair: Kejun Huang

Brendan J. Sweeney

Major: *Music—Composition*

Dissertation: A Post-Secondary Pedagogical Approach to Music Creation Utilizing a Visual Design Framework

Dissertation Chair: Paul S. Richards

Estefania Tavares Flores

Major: *Plant Breeding*

Dissertation: Developing Healthier Blueberries Through Molecular Breeding

Dissertation Chair: Patricio Ricardo Muñoz del Valle

Fatemeh Tavassoli

Major: *Computer Science*

Dissertation: Enhancing Colon Cancer Prediction Performance Using Gut Microbiome Data: Evaluation of Different Derived Datasets, Optimized Machine Learning Pipelines, Reliability Testing, and Ensemble Models

Dissertation Chair: Juan E. Gilbert

Bryn Victoria Taylor

Major: *Rehabilitation Science—Neuromuscular Plasticity*

Dissertation: Mediators of Racial Health Disparities in Utilization of Deep Brain Stimulation Surgery for the Treatment of Parkinsons Disease

Dissertation Chair: Karen W. Hegland

Zachary Augustus Taylor

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Significance of the Glucose-Pts and Glycerol Metabolism in *Streptococcus sanguinis* Metabolic Regulation, Fitness, and Interspecies Competition

Dissertation Chair: Lin Zeng

Palani J. Te

Major: *Mass Communication*

Dissertation: Music, Clinic, Pain, and Emotions: Analgesic and Humanizing Effects of Clinical Music Interventions on the Pain Experience

Dissertation Chair: Robyn Goodman

Peyton Svagerko Teague

Major: *Veterinary Medical Sciences—Animal Molecular and Cellular Biology*
Dissertation: Mechanism of Hyperinsulinemia in Horses With Insulin Dysregulation
Dissertation Chair: Dianne McFarlane

Nicholas Shawn Terrel

Major: *Chemistry*
Dissertation: Use the Force: Advancing ANI Neural Network Potentials for Large-Scale Molecular Simulations
Dissertation Chair: Adrian E. Roitberg

Meena Thiagarajah

Major: *Curriculum and Instruction—Science Education*
Dissertation: Should Professional Identity Be the Only Engineering Identity?
Dissertation Chair: Kent J. Crippen

Troy Richard Thomas

Major: *Music Education*
Dissertation: Steelbands in the United States: A Profile and Comparison of K-12, Collegiate, and Community Ensembles
Dissertation Chair: William I. Bauer

William Jared Thomas Jr.

Major: *Design, Construction and Planning—Construction Management*
Dissertation: Retrospective Multi-Windowed Forensic Delay Analysis Using the Actual ABCP Baseline
Dissertation Chair: Raja Raymond Issa

Aaron Kolby Thrasher

Major: *Mathematics*
Dissertation: Price Inequality and the Growth of Harmonic Functions on Nonpositively Curved Manifolds
Dissertation Chair: Luca Di Cerbo

Yuhan Tian

Major: *Statistics*
Dissertation: Change Point Detection in the Presence of Cross-Correlations and Non-Stationarity
Dissertation Chair: Michael Joseph Daniels

Emily Rose Tobin

Major: *Health and Human Performance—Biobehavioral Science*
Dissertation: Neuroimaging and Force Control Deficits in Rapid Eye Movement Behavior Disorder and Parkinson's Disease
Dissertation Chair: David E. Vaillancourt

Yekatit G. Tsehayu

Major: *Religion*
Dissertation: Women in Muslim Revivalist Movement: *Yetemarch* Ethiopian Muslim From Intersectional Victimhood to Agents of Change
Dissertation Chair: Terje Østebo

Wangchen Tsering

Major: *Medical Sciences—Neuroscience*
Dissertation: Investigating the Interface Between A β Plaques and Tau Pathology in Alzheimer's Disease
Dissertation Chair: Stefan Prokop

Jalea Turner

Major: *Curriculum and Instruction—Teachers, Schools, & Society*
Dissertation: A Sista Circle Series Exploring Black Women Teachers' Voices Within Florida's Anti-Woke Political Climate Using Poetic Analysis
Dissertation Chair: Chonika Coleman-King

Eyup Bedirhan Unlu

Major: *Physics*
Dissertation: Classical and Quantum Machine Learning Applications in Astrophysics and High Energy Physics
Dissertation Chair: Tarek Saab

Lazaro Willian Vinola Lopez

Major: *Zoology*

Dissertation: Late Quaternary Caviomorph Rodents From the West Indies, Systematics, Relationship, Ecology, and Species Loss

Dissertation Chair: Jonathan I. Bloch

Ashley Nicole Walker

Major: *Anatomical Sciences Education*

Dissertation: Anato-Community: Exploring Relationships Between First-Year Medical Students' Perceived Sense of Community and Learning in a Peer Teaching Environment

Dissertation Chair: Kyle E. Rarey

Dissertation Co-chair: Daniel B. Topping

Lindsey Taylor Walker

Major: *Design, Construction and Planning—Interior Design*

Dissertation: Analyzing Communication Models for Design Teams in Hybrid Work Environments: Insights From an Architecture and Design Firm

Dissertation Chair: Margaret Portillo

Dissertation Co-chair: Bryan W. Franz

Bowen Wang

Major: *Research and Evaluation Methodology*

Dissertation: Gathering Validity Evidence Through Process Data: A Psychometric Approach to Classifying Response Process Heterogeneity in Computer-Based Assessments

Dissertation Chair: Anne Corinne Manley

Dissertation Co-chair: Jinnie Shin

Jiayi Wang

Major: *Chemical Engineering*

Dissertation: Microfluidic Purification of Long DNA From Biological Samples Using Electro-Hydrodynamic Migration

Dissertation Chair: Jason E. Butler

Dissertation Co-chair: Anthony J. Ladd



William David Warke

Major: *Mechanical Engineering*

Dissertation: Provably Convergent Optimization Algorithms for Robotics Applications

Dissertation Chair: Matthew Hale

Connor Allen Watkins

Major: *Electrical and Computer Engineering*

Dissertation: Frequency Stability Limits of Single-Crystal Silicon Thermal-Piezoresistive Resonators

Dissertation Chair: Philip Feng

Emily G. Watts

Major: *Geology*

Dissertation: Organic Carbon Cycling in Temperate Fjord Sediments

Dissertation Chair: Thomas S. Bianchi

Alexandra S. Weis

Major: *Counseling Psychology*

Dissertation: Navigating Political Stressors in the Therapeutic Context: Client Perspectives

Dissertation Chair: Banafsheh Moradi

Xiaoxiao Wen

Major: *Epidemiology*

Dissertation: Lifestyle Factors, Lipidomics and Risk of Type 2 Diabetes in American Indians

Dissertation Chair: Jinying Zhao

Heendeniyage Namodhi Chilanka Wijerathne

Major: *Chemistry*

Dissertation: Designing Catalysts to Achieve Significantly High Activity and Selectivity for Photo/Electrocatalytic Ammonia Synthesis

Dissertation Chair: Wei David Wei

Ethan J. Williamson

Major: *History*

Dissertation: Roman Popes, Byzantine Saints: History, Heresiology, and Hierotopy in East Roman Liturgical Life (10th–12th Centuries)

Dissertation Chair: Florin Curta

Ethan Reed Wilson

Major: *Computer Science*

Dissertation: Generating Private User Representations in Media While Preserving Usability and Naturalness

Dissertation Chair: Eakta Jain

Songzi Wu

Major: *Agricultural and Biological Engineering*

Dissertation: Find a Pathway to Maintain Sustainable Relationships Regarding Farm Data Between Small-Scale Stakeholders in Agriculture

Dissertation Chair: Ziwen Yu

Jingya Yang

Major: *Plant Pathology*

Dissertation: Characterization, Taqman Assay Diagnosis, and Fungicide Sensitivity of *Fusarium oxysporum* f. sp. *lycopersici*, the Causal Agent of Tomato Fusarium Wilt

Dissertation Chair: Gary E. Vallad

Shuang Yang

Major: *Medical Sciences—Biomedical Informatics*

Dissertation: Developing Natural Language Processing and Statistical Algorithms to Enhance Pulmonary Nodule Characterization and LDCT Adherence Prediction Using Real-World Data

Dissertation Chair: Yi Guo

Dissertation Co-chair: Jiang Bian

Yohei Yoshinaka

Major: *Chemistry*

Dissertation: Design of Eco-Friendly and Water-Degradable Polyamides via Weak-Link Strategy

Dissertation Chair: Stephen Albert Miller

Teagan Holly Young

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Evaluating the Impacts of Future Climate Conditions on Urban Tree Performance and Survival

Dissertation Chair: Ryan William Klein

Dissertation Co-chair: Gail Hansen

Jinze Yu

Major: *Mechanical Engineering*

Dissertation: Cryogenic Propellant Storage Tank Helium Subsurface Pressurization in Low Gravity

Dissertation Chair: Jacob Nan-Chu Chung

Tao Yuwen

Major: *Chemistry*

Dissertation: Toward Spin Transition Actuators for Two-Dimensional Materials: Synthesis and Characterization of Heterostructures of Two-Dimensional Materials With Hofman-Like Spin Crossover Solids

Dissertation Chair: Daniel R. Talham

Zeyu Yuwen

Major: *Statistics*

Dissertation: Low Tree-Rank Bayesian Vector Autoregression Models

Dissertation Chair: Leo Li Duan

Gabriel A. Zayas

Major: *Animal Sciences—Domestic Animal Genomics*

Dissertation: Novel Genomic Approaches to Explore Heterosis, Genetic Diversity, Selection, and Introgression in Cattle

Dissertation Chair: Raluca Mateescu

Cheng Zeng

Major: *Statistics*

Dissertation: New Methods and Large Sample Theory in Bayesian Nonparametrics and Semiparametrics

Dissertation Chair: Leo Li Duan

Yangqing Zeng

Major: *Fisheries and Aquatic Sciences*

Dissertation: Physiological and Immunological Responses in the Northern Quahog *Mercenaria mercenaria* Against Environmental Stresses

Dissertation Chair: Huiping Yang

Ke Zhang

Major: *Wildlife Ecology and Conservation*

Dissertation: Movement Ecology of White Ibises and Tricolored Herons in the Gulf of Mexico and Its Relationship With Haemosporidian Parasites

Dissertation Chair: Abby Powell

Xiaojian Zhang

Major: *Civil Engineering*

Dissertation: Travel Demand Modeling in the Artificial Intelligence Era: A Tale of Accuracy, Interpretability and Fairness

Dissertation Chair: Xilei Zhao

Xiaoliang Zhang

Major: *Physics*

Dissertation: Electronic, Spin and Vibrational Mode Coupling in Low-Dimensional Materials

Dissertation Chair: Chunjing Jia

Xinyao Zhang

Major: *Environmental Engineering Sciences*

Dissertation: Human-Robot Collaboration Disassembly: Behavior Modeling and Vision Intelligence

Dissertation Chair: Sara Behdad

Yichi Zhang

Major: *Computer Science*

Dissertation: Algorithms for Characterizing Configuration Spaces of Distance-Constrained Point-Sets and Applications to Molecular and Soft-Matter Assembly

Dissertation Chair: Meera Sitharam

Yue Zhang

Major: *Chemistry*

Dissertation: Development of New Stereoselective and Regioselective Iterative Glycosylation via Novel Latent-Active Moiety and Its Applications Toward Natural Product/Solid-Phase Synthesis

Dissertation Chair: Aaron Aponick

Guanqi Zhao

Major: *Microbiology and Cell Science*

Dissertation: Control of Murine Norovirus Infection by Bacterial Extracellular Vesicles Occurs Through DNA Mediated Immune Responses

Dissertation Chair: Melissa Kolsch Jones

Haohao Zhao

Major: *Horticultural Sciences—Horticultural Sciences*

Dissertation: Elucidation of Aldoxime-Mediated Metabolic Networks in Tomato

Dissertation Chair: Jeongim Kim

Haolan Zheng

Major: *Industrial and Systems Engineering*

Dissertation: Training Development and Learning Facilitation for Lower-Level Automated Driving Systems Across Age Groups

Dissertation Chair: Wayne Chi Wei Giang

Ran Zhi

Major: *Interdisciplinary Ecology—Soil and Water Sciences*

Dissertation: Soil Phosphorus in Subtropical Grasslands: Patterns, Drivers, and Legacy Effects

Dissertation Chair: Jiangxiao Qiu

Mingwei Zhou

Major: *Chemistry*

Dissertation: Developing Tools for Investigating Cell Surface by Combining Electron Paramagnetic Resonance (EPR) and Biosynthesis Techniques

Dissertation Chair: Gail E. Fanucci

Cenqi Zhu

Major: *Design, Construction and Planning*

Dissertation: A Visual Perception Evaluation Framework for Conceptual Design of Urban Complete Streets Using Bayesian Networks

Dissertation Chair: Ilir Bejleri

Weidong Zhu

Major: *Computer Science*

Dissertation: Leveraging Storage Semantics to Enhance Data Security and Privacy

Dissertation Chair: Kevin Butler

Dissertation Co-chair: Sara Rampazzi

DOCTOR OF EDUCATION

Adekunbi Adefule

Major: *Special Education*

Dissertation: Learning Disabilities: Raising Awareness to Create Access to Equitable Education in Nigeria

Dissertation Chair: Melinda Leko

Heather Ann Cobb

Major: *Special Education*

Dissertation: Increasing Caregiver Utilization of Evidence-Based Practices Through a Positive Behavior Support Framework

Dissertation Chair: Melinda Leko

Dissertation Co-chair: Nelson Carl Brunsting

Kelly Diamond

Major: *Curriculum and Instruction—Educational Technology*

Dissertation: The ACRL Framework for Information Literacy and Online Credit Bearing Information Literacy

Course Outcomes

Dissertation Chair: Swapna Kumar

Liza Michelle Ferreira

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: Persistence Prevails: Narratives of Academic Resilience of Adults Who Overcame Adversity During Adolescence

Dissertation Chair: Alyson Joyce Adams

Sarah Rebecca Holbrook

Major: *Special Education*

Dissertation: Bridging Research and Practice: Creating Scientifically Based Tier 1 Reading Instruction

Dissertation Chair: Kristi Cheyney-Collante

Dissertation Co-chair: Kyena Elrod Cornelius

Hong Hu

Major: *Curriculum and Instruction—Teachers, Schools, & Society*

Dissertation: Hide to Seek: A Teacherprincipal's Journey of Conscientization

Dissertation Chair: Chonika Coleman-King

Susanna Marie Hughes

Major: *Special Education*

Dissertation: Feasibility of Adapting the UFLI Foundations Tier 1 Reading Curriculum for Homeschool Instruction With a

Struggling Reader: A Case Study

Dissertation Chair: Linda J. Lombardino

Jenna Dawn Lindsey-Gonzalez

Major: *Special Education*

Dissertation: Supporting Students With Disabilities in Postsecondary Education: Students' Perspectives on the Disability Office Registration and Accommodation Process

Dissertation Chair: Erica D. McCray

Dissertation Co-chair: Hannah M. Mathews

Emily Kathleen Long

Major: *Higher Education Administration*

Dissertation: Experiences of Black Women Attending Predominately White Women's Colleges

Dissertation Chair: Lindsay Byron

Jennifer S. Parra

Major: *Special Education*

Dissertation: Exploring the Perspectives of Structured Literacy/Dyslexia Specialists and Certified Academic Language Therapists Engaging in Virtual Professional Development and Instructional Coaching: A Qualitative Case Study

Dissertation Chair: Kristi Cheyney-Collante

Andrew Daniel Rappe

Major: *Curriculum and Instruction—Educational Technology*

Dissertation: This Must Be the Place: Exploration of Educational Technology and Placed-Based Education in an Innovative Conservation Center

Dissertation Chair: Swapna Kumar

Jennifer Correoso Roig

Major: *Special Education*
Dissertation: Analyzing the Experiences of Teachers and a School Leader Engaged in Professional Learning at a School for Language-Based Learning Disabilities: A Case Study
Dissertation Chair: Vivian E. Gonsalves
Dissertation Co-chair: Kristi Cheyney-Collante

Stephanie Laurin Salkay

Major: *Educational Leadership*
Dissertation: Expanding Horizons: Understanding the Development and Application of Intercultural Competencies Through an International Study Abroad Program
Dissertation Chair: Tiffany S. Aaron

Joseph Robert Scoboria

Major: *Educational Leadership*
Dissertation: How Harrisburg Blinked: A Critical Analysis of How Policymaker Discourse Played a Role in the Interpretation, Navigation, and Leveraging of a State Court Decision
Dissertation Chair: Christopher Thomas

Temia C. Sibley

Major: *Curriculum and Instruction—Teachers, Schools, & Society*
Dissertation: Soaring Toward Our Destiny: A Qualitative Study on the Evolution of a Community of Practice in Early Childhood Education and Care at a Private Preschool Academy
Dissertation Chair: Taryn Brown

Christine Voigt

Major: *Curriculum and Instruction—Teachers, Schools, & Society*
Dissertation: Conveying Culture: A Case Study of Faculty Practices in a University-Based Intensive English Language Program
Dissertation Chair: Sevan G. Terzian

DOCTOR OF AUDIOLOGY

Sarah Elizabeth Bridges	Laura Patricia Infante	Caitlin M Salvagno
Emily Ann Brown	Aimee Kathryn Miller	Heather Ashlan Starr
Amber Nicole Gerasimchik	Makenzie Pauline	Lauren Elizabeth Taylor
Danielle Rose Hovsepien	Amanda Joy Prozeralik	

DOCTOR OF MUSICAL ARTS

Sydney Marie Burton	Juan Pablo Panneflek	Denis Vasenin
Carli Margot Castillon	Jared Taylor Potter	Peijun Xu
Zerrin Elif Agabigum Martin		

DOCTOR OF PLANT MEDICINE

Adam Pitcher

PROFESSIONAL DEGREES

THE COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Dean Michael Reid

DOCTOR OF ATHLETIC TRAINING

Aijha Brianna Clark	Ashlynn Michelle Hutson	Madison Taylor Stewart
Mikayla Elizabeth Franklin	Laney Michelle Olson	Savannah Grace Walters

THE COLLEGE OF NURSING

Dean Shakira Henderson

DOCTOR OF NURSING PRACTICE

Randy Aguiar Ramos
Christie M Anglero Ruiz
Jacinda Angulo
Camille Armington
Sara Marie Bellace
Chirstie Laine Joy Biggs
Lauren Blanchette
Hannah L Bryant
Stephanie V Carmon
Sarah L Cates
Andrew Benjamin Caudle
Ziwei Cheng
Kelly Melinda Chewning
James Edward Crumpton
Kershawna Marquette Curry
Michelle Claire Draves
Lexis Kate Eisenson
Nadine Mikaela Fiege
Kelsie McCleary Gleason

Aileen Marie Gonzalez
Kaytlyn Marie Griffin
Sondra Leona Griggs
Spencer Haire
Lilibet Hernandez
Mindy Kieu Huynh
Danielle Darlean Jarrett
Kimberlai Nicole Jordan
Byoung Kwon Kang
Nathalie Krentzman
Leah Anna Kuruvilla
Sabrina Kwok
Sarah E Little
Breanne Marie Marcoux
Krismarie Marrero Ramos
Amaris Mayberry
Serenity Alyric McNair
Savanna L Mittelmark
Mayuko Mondestin

Ryan Joseph Opena Navarro
Kelly Alyne Noughton-Hand
Amanda Renee O'Connor
Mailenys Ortega
Timothy Jason Quitco
Deepa Ramalingam
Vanessa Edna Raulerson
Amanda Parrish Reed
Jennifer N Rhodes
Ilyssa Leah Schatz
Brittany Nichole Schwertfager
Katherine Marie Steward
Candace Alexandra Walker
Wendee Morgan Whittaker
Kiné Jeree Williams
Tonya Renae Wilson
Danielle Marie Wishnow
Alexis Christianne Wood

THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

Dean Beth A. Virnig

DOCTOR OF PHYSICAL THERAPY

Samantha Hama Askey
Mackenzie Anne Aydelette
Christian Thomas Villanueva Baptista
Jamil Thornton Bateh
Taylor Ann Bauman
Jeet Bhagu
Ashley Nicole Bolin
Lindsey Rose Boyett
Courtney Bingham Boyle
Connor Martin Brown
Grace Renee Cunningham
Vassilios Dimitropoulos
Lathan Dane Dixon
Morgan Carmody DuPont
Virginia Nicole Ferguson
Ysabella Fernandez
Sophia Pearl Flood
Caroline Sutton Folsom
Jacob Nicholas Fordham
Daniel Gil
Rebecca Gonzalez
Erin Elisabeth Grandgeorge
Alexandra Jacqueline Greenwald
Luke Jared Henderson

Cristina Beatriz Hernandez
Jheovany Hernandez
Gabrielle Faith Hoban
Rachel Sarah Horan
Sara Margaret Johnson
Kamryn Gloriana Jonathan
Taylor Elyse Krafsky
Kaitlin Sue Lacey
Alec Brady Laflamme
Molly Seena Lantinberg
Saige Alexandra LaPorte
Josephine Jenna LeBlanc
Fiona Hoi-Ting Kawehi'ikalehua ha'akea Lennstrom
Emily Alexandra Leonard
Yadi Liu
Isabella Ann Luger
Aidan Lin Martino
Leah Elizabeth Mathews
Samuel McLuckie
Viktoria Melnykova
Gabriel Angel Muñoz
Henry Bao Nguyen

John B Nguyen
Kandyce Tuyet Mi Nguyen
Rachel Melissa Peterson
Kevin Pham
Jason Phu
Dominic Santino Pocci
Katrina Tsz Wing Poon
Hillary Kelsey Porto
Taylor Anne Pray
Brittany Marie Russell
Amanda Lauren Russo
Reilly Chen Sams
Eliana Osana Sevilla
Sun Shoua
Sander Jay Simon
Sarah Sinsel
Brittany Skinner
Jenna Marie Snyder
Emily Taylor Spencer
Meredith Raquel Sprague
Vanessa Thorina Stamas
Lila Ruth Taylor
Abigail Lynne Tucker



Chain of Office

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

Academic Mace

Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university's sesquicentennial celebration in 2003. The 70-inch staff features an

alligator sitting atop a globe. The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.



Diplomas

Diplomas will be mailed to the graduates' diploma mailing address in July of 2025.

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 lilac; Audiology degrees have colonial blue edging; Business Administration and Accounting are the color 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 Occupational Therapy is slate blue; 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.

