FALL 2023

THE GRADUATE SCHOOL
Dean Aimée M. Surprenant
DOCTORAL DEGREES

Doctor of Philosophy

COLLEGE OF
AGRICULTURE AND
LIFE SCIENCES

AGRICULTURAL AND
EXTENSION EDUCATION

August 11, 2023

Nunoo, Nicole Isabella
Committee Chair: Prof. K. L. Niewolny

Lyu, Pengcheng
Genome-wide Identification of Enhancers, Transcription Factors, and Mechanisms That Control Skeletal Muscle Differentiation in Cattle
Committee Chair: Prof. H. Jiang

PLATZER, JoAnna Marie
Investigating the Domestication Syndrome Hypothesis: To What Extent Does Morphology Predict the Behavior and Physiological Stress Response of Dogs and Cattle?
Committee Chair: Prof. E. N. Feuerbacher

Roqueto dos Reis, Barbara
Precision Technologies and Data Analytics for Monitoring Ruminants
Committee Chair: Prof. R. White

Wicks, Jordan C.
Understanding Beef Quality Development and Different Feeding Regimes
Committee Chair: Prof. D. E. Gerrard

ANIMAL AND POULTRY SCIENCES

December 14, 2023

Farrell, Kayla Brianne
Sex-differences in Proteasome-independent Roles of the Ubiquitin Proteasome System in Memory Formation
Committee Chair: Prof. T. Jarome

August 11, 2023

Kinstler, Sydney Regan
The Influence of Necrotic Enteritis, Environmental Factors, and Genetics on Intestinal Development Pathways and Disease Occurrence in Broiler Chickens
Committee Chair: Prof. E. A. Wong and Prof. J. J. Maurer

Perez Hernandez, Gabriela
Local Regulation of Milk Synthesis Capacity in the Mammary Gland of Lactating Dairy Cows
Committee Chair: Prof. B. A. Corl

BIOCHEMISTRY

August 11, 2023

Reinhold, Joanna Marie
Some Like It Cold: Interactions Between the Northern Frog Biting Mosquito, Culex territans (Walker 1856) and Its Amphibian Hosts
Committee Chair: Prof. C. A. Lahondere
CROP AND SOIL
ENVIRONMENTAL SCIENCES
December 14, 2023

Ely, Kristine Marie
Hempseed Oil as a Novel Source of Polyunsaturated Fatty Acids and Its Effect on Inflammation in Sedentary Horses
Committee Chair: Prof. J. H. Fike

Hilfiker, Derek Richard
Soil Nitrogen, Active Carbon, Corn, and Small Grain Response to Manure Injection
Committee Chair: Prof. R. O. Maguire

Kubesch, Jonathan Omar Cole
Evaluating Native Warm-season Grass and Wildflower Mixtures for Beef Cattle Production in the Mid-Atlantic
Committee Chair: Prof. B. F. Tracy

Li, Xiaoying
Improving Vegetable Soybean Production Through Investigating the Impact of Genotype and Environmental Factors on Germination and Emergence
Committee Chair: Prof. S. L. Rideout and Prof. B. Zhang

ENTOMOLOGY
December 14, 2023

Chalise, Pragya
Survey of Different Mealybug Species and Attending Ants and Their Management in Virginia Vineyards
Committee Chair: Prof. D. G. Pfeiffer

Nikoukar, Atoosa
Ecology and Management of Wireworms (Coleoptera: Elateridae) in Conventional and Organic Production Systems
Committee Chair: Prof. A. Rashed

Preston, Carrie E.
Impact of Predation by Laricobius nigrinus (Coleoptera: Derodontidae) and Leucotaraxis spp. (Diptera: Chamaemyiidae) on Adelges tsugae (Hemiptera: Adelgidae) and Tsuga canadensis (Pinales: Pinaceae) Tree Health
Committee Chair: Prof. S. M. Salom

ECONOMICS
December 14, 2023

Ko, Minkyong
Three Essays on Applied Economics
Committee Chair: Prof. F. Ramsey and Prof. C. L. Ta

Puri, Roshan
Methodological Advances in Benefit Transfer and Hedonic Analysis
Committee Chair: Prof. K. Moelten

August 11, 2023

Ferris, William Newell
Multipurpose Approaches to Regional Goals: Chapters in Environmental and Development Economics
Committee Chair: Prof. S. K. Stephenson
HUMAN NUTRITION, FOODS AND EXERCISE
December 14, 2023

Laskaridou, Eleni
Gut Microbiota-Generated Trimethylamine-N-oxide and Cardiometabolic Health in Healthy Adults
Committee Chair: Prof. K. P. Davy

August 11, 2023

Nichols, Quentin Zacharias
Factors Related to Diabetes Mellitus Among Asian-American Adults in the United States Using the 2011 to 2020 National Health and Nutrition Examination Survey
Committee Chair: Prof. S. L. Volpe

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE
December 14, 2023

Peppers, John Michael
Evaluation of Novel Techniques to Control Annual Grasses in Intensively Managed Turfgrass Systems
Committee Chair: Prof. S. D. Askew

Sias, Cynthia
Elucidating the Effects of Multiple Herbicide Termination Timings, Methods, and Cover Crop Programs to Improve Application Recommendations
Committee Chair: Prof. M. L. Flessner

COLLEGE OF ARCHITECTURE, ARTS, AND DESIGN
ARCHITECTURE AND DESIGN RESEARCH
December 14, 2023

Heinrich, Linda Kay
Fiendish Dreams: Reverse Engineering Modern Architecture
Committee Chair: Prof. P. F. Emmons

August 11, 2023

Hankins, Francesca A.
The Poetic Architect: An Imaginative Journey of Bruce Goff's Bavinger House
Committee Chair: Prof. M. Feuerstein

Jalali, Mansoureh Sadat
Development of a New Architectural Design Framework That Supports Occupants' Healthy Circadian Rhythm in Interior Spaces
Committee Chair: Prof. J. R. Jones and Prof. R. B. Gibbons

PAMPLIN COLLEGE OF BUSINESS
BUSINESS, ACCOUNTING AND INFORMATION SYSTEMS
December 14, 2023

Malone, Carissa Laura
The Impact of Helping Behavior and Rewards on Auditors' Judgments
Committee Chair: Prof. L. L. Lisic
Wolfe, Karneisha Tiye  
The Effects of Core Audit Teams' Review of Centralized Audit Teams' Work  
Committee Chair: Prof. S. E. Stein

**BUSINESS, BUSINESS INFORMATION TECHNOLOGY**  
**December 14, 2023**

Kormylo, Cameron Fredric  
A Jagged Little Pill: Ethics, Behavior, and the AI-Data Nexus  
Committee Chair: Prof. I. Adjerid  
**August 11, 2023**

Eroglu, Derya Ipek  
Medium is the Message: Unraveling the Social Media Platforms' Effects on Communication and Opinions  
Committee Chair: Prof. O. Seref and Prof. M. M. Seref

Malmir, Behnam  
Operational, Tactical, and Strategic Planning for Effective Pandemic Response  
Committee Chair: Prof. C. W. Zobel

**BUSINESS, MARKETING**  
**December 14, 2023**

Xiang, Jinyan  
The Consumer Consequences of Economic Inequality  
Committee Chair: Prof. M. Pandelaere and Prof. S. Madan

**COLLEGE OF ENGINEERING**  
**AEROSPACE ENGINEERING**  
**December 14, 2023**

Gillespie, John Lawrie  
Acoustic Tomography and Thrust Estimation on Turbofan Engines  
Committee Chair: Prof. W. Ng and Prof. K. T. Lowe

Huda, Md Nurul  
Machine Learning for Improvement of Ocean Data Resolution for Weather Forecasting and Climatological Research  
Committee Chair: Prof. E. G. Paterson

Kadan, Jonathan Evan  
Reactive, Autonomous, Markovian Sensor Tasking in Communication Starved Environments  
Committee Chair: Prof. J. T. Black and Prof. K. K. Schroeder

Khan, Kamrul Hasan  
DELWARX: A Software for Multidisciplinary Design Optimization of Truss-Braced Wing Aircraft with Deep Learning Based Transonic Flutter Prediction Model  
Committee Chair: Prof. J. A. Schetz and Prof. R. K. Kapania

Lambert, William B.  
Nonlinear Free Surface and Viscous Effects on Underwater Vehicle Maneuvering and Seakeeping  
Committee Chair: Prof. S. Brizzolara

Mohammed, Ameer Insaf  
Experimental Characterization of Diffusive Phenomena in Multi-Ion-Species Plasma Shocks Formed During Railgun-Driven Plasma Jet Collision Events  
Committee Chair: Prof. C. Adams
Murugaiyan, Suresh  
Modeling the Dynamics of Liquid Metal in Fusion Liquid Walls Using Maxwell-Navier-Stokes Equations  
Committee Chair: Prof. B. Srinivasan and Prof. S. Brizzolara

Weber, Daniel Perry  
Characterization of Liquid Metal Free Surface Response to an Electromagnetic Impulse and Implications for Future Nuclear Fusion Devices  
Committee Chair: Prof. C. Adams

August 11, 2023

Chen, Ying-Chun  
Structure-inspired Disturbance Observer Design and Disturbance Observer-Based Control/estimation  
Committee Chair: Prof. C. A. Woolsey

Choi, Jae-Young  
Data-driven Target Tracking and Hybrid Path Planning Methods for Autonomous Operation of UAV  
Committee Chair: Prof. S. S. Choi

Esswein, Michael Craig  
GNSS Signal Processing Techniques for Spoofing Resiliency  
Committee Chair: Prof. M. L. Psiaki

Johnson, Corry Scott  
Use of Efficient Transient CFD and Machine Learning Methods to Model and Predict Ignition in Air Breathing Hypersonic Engines  
Committee Chair: Prof. J. A. Schetz

Kumar, Aishwarya Sukesh  
Vertically Propagating Tides in the Martian Atmosphere  
Committee Chair: Prof. S. L. England

Ma, Wentao  
Multiphase Fluid-Material Interaction: Efficient Solution Algorithms and Shock-Dominated Applications  
Committee Chair: Prof. K. G. Wang

Nguyen, Nhat Minh  
Multidimensional and High Frequency Heat Flux Reconstruction Applied to Hypersonic Transitional Flows  
Committee Chair: Prof. L. Massa

Spicer, Randy Lee  
Additive Manufacturing in Spacecraft Design and In-Space Robotic Fabrication of Large Structures  
Committee Chair: Prof. J. T. Black

Whelchel, Jeremiah Mark  
Measurement and Prediction of Rotor Noise Sources for sUAS in Outdoor and Laboratory Environments  
Committee Chair: Prof. W. N. Alexander

BIOMEDICAL ENGINEERING

December 14, 2023

Campelo, Sabrina Nicole  
Combinatorial Effects of High-Frequency Irreversible Electroporation for the Treatment of Malignant Gliomas  
Committee Chair: Prof. R. V. Davalos

Valente, Jacob Tyler  
From Crash to Care: A Road Towards Improved Safety and Efficiency of Emergency Medical Response  
Committee Chair: Prof. M. A. Perez

August 11, 2023

Liu, Zhengzhi  
Microfluidics for Low Input Epigenomic Analysis and Application to Oncology and Brain Neuroscience  
Committee Chair: Prof. C. Lu
CHEMICAL ENGINEERING
December 14, 2023

Avery, Katrina Nichole
Volumetric Properties and Viscosity of Lubricant Oils and the Effects of Additives at High Pressure and Temperatures
Committee Chair: Prof. E. Kiran

Reynolds, John Page
Rheology of Filled and Unfilled Polyurethanes for Reactive Extrusion-Based Applications
Committee Chair: Prof. M. J. Bortner

Sose, Abhishek Tejrao
Advancing Computational Materials Design and Model Development Using Data-driven Approaches
Committee Chair: Prof. S. A. Deshmukh

Zhou, Zirui
Low-Input and Single-Cell Transcriptomic Technologies and Their Application to Disease Studies
Committee Chair: Prof. C. Lu

Lopez, Kathryn G.
Advancing Fundamental Understanding of Lead-Tin Solder Corrosion in Drinking Water: Nitrate Spallation Mechanism, Inhibition by Zinc Orthophosphate and Free Chlorine, and Implications for Canned Foods
Committee Chair: Prof. M. A. Edwards

CIVIL ENGINEERING
December 14, 2023

Bhide, Shantanu Vidyadhar
Unveiling Causal Links, Temporal Patterns, and System-Level Dynamics of Freshwater Salinization Using Transit Time Distribution Theory
Committee Chair: Prof. S. Grant

Hogard, Samantha Ann
Validating Pathogen Removal in Ozone-Biofiltration Water Reuse Applications
Committee Chair: Prof. W. R. Knocke and Prof. C. B. Bott

Trump, Joshua Jordan
Embodyed Virtual Reality: The Impacts Toward Human-Nature Connection and Engineering Design Ideas
Committee Chair: Prof. E. W. Shealy III

Welling, Stephen Michael
Modeling the Economic Life of Ferrous Water Mains for Optimal Renewal Timing and Project Selection
Committee Chair: Prof. S. K. Sinha

Islam, Md Rauful
Development of a Trajectory Population Data and its Application in CAV Research
Committee Chair: Prof. K. Hancock

August 11, 2023
Gomes Santos Goncalves, Andre Vinicius
Wireless Network Dimensioning and Provisioning for Ultra-reliable Communication: Modeling and Analysis
Committee Chair: Prof. L. A. Pereira da Silva and Prof. J. Kibilda

Guo, Yunfei
Vision-Based Force Planning and Voice-Based Human Machine Interface of an Assistive Robotic Exoskeleton Glove for Brachial Plexus Injuries
Committee Chair: Prof. P. Ben-Tzvi

Liu, Shiya
Energy-efficient Neuromorphic Computing for Resource-constrained Internet of Things Devices
Committee Chair: Prof. Y. Yi

Toubeh, Maymoonah Imad
Robot Motions that Mitigate Uncertainty
Committee Chair: Prof. R. K. Williams and Prof. P. Tokekar

Cheng, Xiang
Toward Secure Wireless Systems Resistant to Spoofing and Jamming Attacks
Committee Chair: Prof. Y. Cao and Prof. Y. Yang

Dao, Tung Manh
Empirical Investigations of More Practical Fault Localization Approaches
Committee Chair: Prof. N. Meng

Daw, Arka
Physics-informed Machine Learning in Forward and Inverse Problems Involving Uncertainty Quantification
Committee Chair: Prof. A. Karpatne

Hassan, Taha
Trust, Editorial Intent, and Institutional Support at Scale
Committee Chair: Prof. D. S. McCrickard

Lei, Shuo
Learning with Limited Labeled Data: Techniques and Applications
Committee Chair: Prof. C. Lu

Shuvo, Md Hossain
Machine Learning Methods for Protein Model Quality Estimation
Committee Chair: Prof. D. Bhattacharya

Youssef, Karim Yasser Mohamed Yousri
Scalable and Productive Data Management for High-Performance Analytics
Committee Chair: Prof. W. Feng

Zhang, Lei
Bilevel Optimization in the Deep Learning Era: Methods and Applications
Committee Chair: Prof. C. Lu
Zhang, Qisheng  
Autonomous Cyber Defense for Resilient Cyber-Physical Systems  
Committee Chair: Prof. J. Cho

Zhang, Ying  
Secure Coding Practice in Java: Automatic Detection, Repair, and Vulnerability Demonstration  
Committee Chair: Prof. N. Meng

**August 11, 2023**

Ahuja, Aman  
Analyzing and Navigating Electronic Theses and Dissertations  
Committee Chair: Prof. E. A. Fox

Alsafwan, Khadijah Ahmad  
Toward Better Understanding and Documentation of Rationale for Code Changes  
Committee Chair: Prof. F. J. Servant Cortes

Bhuiyan, MD Momen  
Combating Problematic Information Online with Dual Process Cognitive Affordances  
Committee Chair: Prof. T. Mitra and Prof. S. Lee

Keith Norambuena, Brian Felipe  
Narrative Maps: A Computational Model to Support Analysts in Narrative Sensemaking  
Committee Chair: Prof. C. L. North and Prof. T. Mitra

Mohanty, Vikram  
Designing Human-AI Collaborative Systems for Historical Photo Identification  
Committee Chair: Prof. K. Luther

Zhu, Ming  
Neural Sequence Modeling for Domain-Specific Language Processing: A Systematic Approach  
Committee Chair: Prof. D. Yao and Prof. I. Lourentzou

**ELECTRICAL ENGINEERING**  
**December 14, 2023**

Buvarp, Anders Martin  
Robust Wireless Communications with Applications to Reconfigurable Intelligent Surfaces  
Committee Chair: Prof. L. M. Mili

Cao, Yuliang  
Topology and Control Investigation of Soft-Switching DC-DC Converters for DC Transformer (DCX) Applications  
Committee Chair: Prof. D. Dong

Chakraborty, Amrita  
Impact of Thermal Effects and Other Material Properties on the Performance and Electro-Thermal Reliability of Resistive Random Access Memory Arrays  
Committee Chair: Prof. M. K. Orlowski

Clavel, Michael Brian  
Tensile-Strained Ge/III-V Heterostructures for Low-Power Nanoelectronic Devices  
Committee Chair: Prof. M. K. Hudait

Famili, Alireza  
Precise Geolocation for Drones, Metaverse Users, and Beyond: Exploring Ranging Techniques Spanning 40 KHz to 400 GHz  
Committee Chair: Prof. H. Wang and Prof. A. Stavrou

Howard, William Waddell  
Distributed Online Learning in Cognitive Radar Networks  
Committee Chair: Prof. R. M. Buehrer

Li, Qian  
Designing Power Converter-Based Energy Management Systems with Hierarchical Optimization Method  
Committee Chair: Prof. D. Boroyevich
Oyedare, Taiwo Remilekun
A Comprehensive Analysis of Deep Learning for Interference Suppression, Sample and Model Complexity in Wireless Systems
Committee Chair: Prof. J. H. Reed and Prof. D. Jakubisin

Ravi, Lakshmi
Insulation-Constrained Design of Power Electronics Converters and DC Circuit Breakers
Committee Chair: Prof. R. Burgos and Prof. D. Dong

Shi, Guannan
Optical Coherence Sensors in Multimode Fibers
Committee Chair: Prof. Y. Zhu

Sifat, Ashrarul Haq
A Safety-Performance Framework for Computational Awareness in Autonomous Robots
Committee Chair: Prof. R. K. Williams

Stewart, Joshua
Insulation Design and Analysis for Medium-Voltage SiC-based Power Electronics Building Blocks
Committee Chair: Prof. R. Burgos

Wang, Boyan
Design, Fabrication, Packaging, and Characterization of Gallium Oxide Power Diodes
Committee Chair: Prof. Y. Zhang

Wong, Lauren Joy
Foundations of Radio Frequency Transfer Learning
Committee Chair: Prof. A. J. Michaels

Yarahmadi, Somayeh
Electromechanical Wave Propagation Analysis
Committee Chair: Prof. L. M. Mili

August 11, 2023

Liu, Jian
Hybrid Modular Multilevel Converter Family and Modular DC Circuit Breaker for Medium-voltage DC (MVDC) Applications
Committee Chair: Prof. D. Dong

Ma, Yunwei
Junction Based Gallium Nitride Power Devices
Committee Chair: Prof. Y. Zhang

Mohammadhassani, Ardavan
Protection and Cybersecurity in Inverter-Based Microgrids
Committee Chair: Prof. A. Mehrizi-Sani

Zhang, Ruizhe
Robustness of Gallium Nitride Power Devices
Committee Chair: Prof. Y. Zhang

Zhang, Yujing
Multifunctional Multimaterial Fibers for Sensing and Modulation in Wearable and Biomedical Applications
Committee Chair: Prof. X. Jia

Zhang, Zichen
Field-Grading in Medium-Voltage Power Modules Using a Nonlinear Resistive Polymer Nanocomposite Coating
Committee Chair: Prof. G. Lu

ENGINEERING EDUCATION

December 14, 2023

Chowdhury, Tahsin Mahmud
Navigating the Middle Ground: Understanding Students Experience with Teamwork Competencies in the Sophomore and Junior Years of Undergraduate Engineering
Committee Chair: Prof. H. G. Murzi Escobar
Glisson, Hannah Elise
The Dynamics of Belonging Among Women in Engineering
  Committee Chair: Prof. D. B. Knight

Griesinger, Tina Marie
An Exploration of Students' Interests in Pursuing Careers in Environmental Sustainability
  Committee Chair: Prof. A. S. Katz

Shakir, Umair
A Novel Method for Thematically Analyzing Student Responses to Open-ended Case Scenarios
  Committee Chair: Prof. A. S. Katz

Sunil Kumar, Siddharth
Exploring the Implementation of Care in Teaching in a First-year Engineering Course
  Committee Chair: Prof. J. M. Case

August 11, 2023

Abdalla, Alaa
Students' Perspective on the Purposes of Engineering Higher Education: A Longitudinal Qualitative Case Study of the U.S. and England
  Committee Chair: Prof. N. Pitterson

Gamieldien, Yasir
Innovating the Study of Self-Regulated Learning: An Exploration through NLP, Generative AI, and LLMs
  Committee Chair: Prof. A. S. Katz

Menon, Maya
Understanding Faculty Decision-Making in Engineering Education for Sustainable Development
  Committee Chair: Prof. M. C. Paretti

ENGINEERING MECHANICS
December 14, 2023

Cook, Charles
The Quantized Velocity Finite Element Method
  Committee Chair: Prof. R. K. Kapania

Imhof, Aleksander Nicholas
A Unified Macroscale Model of Magnetostriction
  Committee Chair: Prof. J. P. Domann

August 11, 2023

Afanasyev, Alexander
An Approach to Analyzing and Predicting Force-extension Curves of Nucleic Acids
  Committee Chair: Prof. A. Onufriev

ENVIRONMENTAL DESIGN AND PLANNING
August 11, 2023

Halder, Srijeet
Human-Interactions with Robotic Cyber-Physical Systems (CPS) for Facilitating Construction Progress Monitoring
  Committee Chair: Prof. K. Afsari

INDUSTRIAL AND SYSTEMS ENGINEERING
December 14, 2023

Ba-Aoum, Mohammed Hassan
Data Science and Dynamic Modeling for Social Good
  Committee Chair: Prof. K. P. Triantis and Prof. N. Hosseinichimeh

Daychman, Tatiana Valerievna
Assessing Hurricane Evacuation Performance Using a Mixed Methods Approach
  Committee Chair: Prof. K. P. Triantis
Liang, Dan  
**Advanced Driver Assistance Systems and Older Drivers’ Mobility, Perception, and Safety**  
Committee Chair: Prof. J. F. Antin and Prof. N. K. Lau

Liu, Ning-Yuan  
**Safety Assessment in Complex Socio-Technical Systems**  
Committee Chair: Prof. K. P. Triantis

Nadri, Chihab  
**Development and Evaluation of an Assistive In-Vehicle System for Responding to Anxiety in Smart Vehicles**  
Committee Chair: Prof. M. Jeon

Shadab, Niloofar  
**Closed Systems Precepts in Systems Engineering for Artificial Intelligence (SE4AI)**  
Committee Chair: Prof. A. Salado Diez and Prof. P. A. Beling

Shen, Mengqi  
**Explainable and Robust Data-Driven Machine Learning Methods for Digital Healthcare Monitoring**  
Committee Chair: Prof. M. A. Nussbaum and Prof. K. Tsui

Standfield, Benjamin N.  
**High-Resolution Additive Manufacturing Error Prediction and Compensation Through 3D CNN Leveraging Semantic Segmentation**  
Committee Chair: Prof. Z. Kong

Wang, Tianzi  
**Transparency, Trust, and Level of Detail in User Interface Design for Human Autonomy Teaming**  
Committee Chair: Prof. N. K. Lau

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**August 11, 2023**

Bloomquist, Eric Tait  
**Improving Accessibility of Fully Automated Driving Systems for Blind and Low Vision Riders**  
Committee Chair: Prof. J. L. Gabbard, Jr. and Prof. Z. R. Doerzaph

Flittner, Jonathan Garth  
**Developing an Augmented Reality Visual Clutter Score Through Establishing the Applicability of Image Analysis Measures of Clutter and the Analysis of Augmented Reality User Interface Properties**  
Committee Chair: Prof. J. L. Gabbard, Jr.

Greatbatch, Richard Leslie  
**Takeover Required! Augmented Reality Head-Up Displays' Ability to Increase Driver Situation Awareness During Takeover Scenarios in Driving Automation System**  
Committee Chair: Prof. J. L. Gabbard, Jr.

Harry, Kimberly D. M.  
**An Empirical Investigation on the Critical Success Factors for Kaizen Events in Hospitals**  
Committee Chair: Prof. E. M. Van Aken

Lee, Cheol Hei  
**Advanced Machine Learning for Surrogate Modeling in Complex Engineering Systems**  
Committee Chair: Prof. X. Yue

Lutz, Oliver Tim  
**Computational Simulation and Machine Learning for Quality Improvement in Composites Assembly**  
Committee Chair: Prof. X. Yue

Mahmoudi, Hesam  
**Essays on Mathematical Modeling and Empirical Investigations of Organizational Learning in Cancer Research**  
Committee Chair: Prof. N. Ghaffarzadegan
Sun, Luying
Fair and Risk-Averse Resource Allocation in Transportation Systems Under Uncertainties
Committee Chair: Prof. W. Xie

Van Dam, Jared Martindale Mccolskey
Development of Shared Situation Awareness Guidelines and Metrics as Developmental and Analytical Tools for Augmented and Virtual Reality User Interface Design for Human-Machine Teaming
Committee Chair: Prof. J. L. Gabbard, Jr.

Zhang, Yutong
Consistency and Uniform Bounds for Heteroscedastic Simulation Metamodeling and Their Applications
Committee Chair: Prof. X. Chen

**MATERIALS SCIENCE AND ENGINEERING**

**December 14, 2023**

Alcocer Seoane, Axel Emanuel
Defect Energetics and Kinetics at Interfaces and Surfaces in Metals
Committee Chair: Prof. X. Bai

Hahn, Gregory David
Additive Friction Stir Deposition of Aerospace Al-Zn-Mg-Cu-Zr Alloys: Leveraging Processing and Metallurgical Science for Structural Repair
Committee Chair: Prof. H. Yu

Islam, Rezawana
Factors Affecting Fuel Transport of Firefighting Foam
Committee Chair: Prof. B. Y. Lattimer

Lin, Yifeng
Material Extrusion Additive Manufacturing of Semi-Crystalline Polymers
Committee Chair: Prof. C. B. Williams

Mondal, Santanu
Advanced Synthesis and Work Function Studies of UHTC Materials and Electron Emitter Materials
Committee Chair: Prof. D. D. Viehland

Shiraishi, Juan Diego
Colloidal Processing of Textured Ultra-High Temperature Ceramics Using Weak Magnetic Field
Committee Chair: Prof. C. Tallon Galdeano

**August 11, 2023**

French, Jarin Collins
Molecular Dynamics Studies of Grain Boundary Mobilities in Metallic and Oxide Fuels
Committee Chair: Prof. X. Bai

Goyer, Julia Noel
Near-Net Shaping and Additive Manufacturing of Ultra-high Temperature Ceramics Via Colloidial Processing
Committee Chair: Prof. C. Tallon Galdeano

Shirey, Kaitlyn Ann
Understanding How Tape Casting Titanium Diboride Shifts its Processing-Microstructure-Properties Paradigm Toward New Applications
Committee Chair: Prof. C. Tallon Galdeano

**MECHANICAL ENGINEERING**

**December 14, 2023**

Aradhey, Yogesh Sachin
Dynamics of Lean Direct Injection Combustors
Committee Chair: Prof. J. Meadows
Chapin, Samantha Helen Glassner  
Model Informed and Fiducial Aided Simultaneous Localization and Mapping for Robotic In-Space Assembly and Servicing of Large Truss Structures  
Committee Chair: Prof. E. Komendera

Duncan, Josie Lee  
Electric Fields for the Detection, Characterization and Treatment of Subcellular Contributors to Cancer Progression  
Committee Chair: Prof. R. V. Davalos

Hayden, Andrew Phillip  
A Comprehensive Three-Dimensional Analysis of the Wake Dynamics in Complex Turning Vanes  
Committee Chair: Prof. K. T. Lowe and Prof. A. Untaroiu

Malla, Arun Lee  
An Exploration of Nonlinear Metamaterials With Electromechanical and Quasiperiodic Elements  
Committee Chair: Prof. O. Barry

Pandala, Abhishek-Goud  
Robust Predictive Control for Legged Locomotion  
Committee Chair: Prof. K. Akbari Hamed

Stewart, Colin James  
Numerical Investigations of Jellyfish Propulsion  
Committee Chair: Prof. D. K. Tafti and Prof. S. Priya

Xu, Wenda  
Design, Development, and Control of an Assistive Robotic Exoskeleton Glove Using Reinforcement Learning-Based Force Planning for Autonomous Grasping  
Committee Chair: Prof. P. Ben-Tzvi

Zhan, Ying  
Biomanufacturing of Bacteria-Mediated Drug Delivery Systems and Investigation of Their Interaction with the Tumor Microenvironment  
Committee Chair: Prof. B. Behkam

August 11, 2023

Barbish, Johnathon Richard  
Dynamics of Small Elastic Systems in Fluid: Tension and Nonlinearity  
Committee Chair: Prof. M. R. Paul

Fawcett, Randall Tyler  
Hierarchical Control of Constrained Multi-Agent Legged Locomotion: A Data-Driven Approach  
Committee Chair: Prof. K. Akbari Hamed

Gorantiwar, Anish Sunil  
Improved Vehicle Dynamics Sensing During Cornering for Trajectory Tracking Using Robust Control and Intelligent Tires  
Committee Chair: Prof. S. Taheri

Gupta, Utkarsh  
Hybrid Friction Estimation Based on Intelligent Tires and Vehicle Dynamics  
Committee Chair: Prof. S. Taheri

Setiya, Meha  
Numerical Investigation on Shape Impact of Deformable Droplets on Evaporation and Combustion: Method Development and Characterization  
Committee Chair: Prof. J. A. Palmore, Jr.

Zhang, Mingyang  
Corrosion Studies of Molten Chloride Salt: Electrochemical Measurements and Forced Flow Loop Tests  
Committee Chair: Prof. J. Zhang
MINING ENGINEERING
December 14, 2023

Li, Qi
Recovering Critical Elements from Acid Mine Drainage
Committee Chair: Prof. W. Zhang

Onel, Oznur
Fundamental Studies on the Extraction of Rare Earth Elements from Ion Adsorption Clays
Committee Chair: Prof. R. H. Yoon

Sechrist, Chad Michael
Development and Testing of a Mobile Pilot Plant for the Advancement and Scale-up of the Hydrophobic-Hydrophilic Separation Process
Committee Chair: Prof. C. A. Noble

Uluer, Mahmud Esad
Vibration Enhanced Flooded Bed Dust Scrubber with Liquid-Coated Mesh Screen
Committee Chair: Prof. C. A. Noble

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
CURRICULUM AND INSTRUCTION
December 14, 2023

Moore, Alexander Stone
A Lacanian Ideology Critique of Gender in Mathematics Education
Committee Chair: Prof. J. L. Wilkins

Reed, Amanda Marie
Analyzing the Use of Technological/Engineering Design-Based Biotechnical Learning Pedagogical Approaches to Promote Change in Concept Knowledge of Eighth Grade Mathematics Students
Committee Chair: Prof. J. G. Wells

August 11, 2023

Yang, Zhenhuan
Comparison and Contrast of Undergraduate and Graduate IDT Course Syllabi Across Countries
Committee Chair: Prof. K. R. Potter

NUCLEAR ENGINEERING
December 14, 2023

Davis, Brenton Conrad
Studies of Used Fuel Fluorination and U Extraction Based on Molten Salt Technology for Advanced Molten Salt Fuel Fabrication
Committee Chair: Prof. J. Zhang

Worden, Jarod Arthur
Investigating Mechanical Properties of Nanoporous Tungsten and High Entropy Alloys Using Molecular Dynamics and Predicting Coupled Electron and Phonon Transport Using Steepest-Entropy-Ascent Quantum Thermodynamics
Committee Chair: Prof. M. R. von Spakovsky and Prof. C. Hin

EDUCATIONAL RESEARCH AND EVALUATION
December 14, 2023

Krost, Kevin Andrew
Comparison of the Item Response Theory with Covariates Model and Explanatory Cognitive Diagnostic Model for Detecting and Explaining Differential Item Functioning
Committee Chair: Prof. G. E. Skaggs
**HIGHER EDUCATION**

December 14, 2023

Harendt, Sarah
Resettled Refugee Experiences of Aspiring to and Navigating Through the Postsecondary Access Process
Committee Chair: Prof. C. K. Robbins

**HUMAN DEVELOPMENT**

December 14, 2023

Devine, Diana Michelle
Antecedents and Consequences of Parent Technology Use in Parents of Young Children
Committee Chair: Prof. C. L. Smith

Murray, Michelle Marie
Having 'The Talk': Parents' Decision Making Related to Communication with Children About Sex
Committee Chair: Prof. E. L. Grafsky

**PLANNING, GOVERNANCE, AND GLOBALIZATION**

December 14, 2023

Carpenter, Matthew Donald
Militants Going Through Changes: A Qualitative Analysis of Ideological Modification and Group Splintering
Committee Chair: Prof. A. I. Ahram

Epanty, Efon Mandong
Evolving Technologies Shaping Public Transit
Committee Chair: Prof. T. W. Sanchez

Landgraf, Walter Frederick
Robust and Rhetorical Action: Explaining NATO's Long Commitment to the Bucharest Decision
Committee Chair: Prof. G. Toal

Schneider, Jasper David
A Crisis of Influence: The American Response to Soviet Sphere of Influence Geopolitics
Committee Chair: Prof. G. Toal

Seo, Hye-Jeong
Communicating Information and Data about Environmental Risks Through News Media
Committee Chair: Prof. T. E. Schenk

Altasan, Ibrahim Abdullah
The Governance of Mobilized Urban Policies: The Case of Riyadh's Transit-Oriented Development Program
Committee Chair: Prof. R. P. Hall and Prof. T. E. Schenk

Kianmehr, Ayda
A Multi-level Analysis of Extreme Heat in Cities
Committee Chair: Prof. T. E. Schenk and Prof. T. C. Lim

Wang, Qiong
From Ideas to Actions: Hazard Mitigation Policy Innovation and Adoption Analysis of Floodplain Property Buyout Program
Committee Chair: Prof. Y. Zhang
PUBLIC ADMINISTRATION/ 
PUBLIC AFFAIRS

December 14, 2023

Chapman, Tonya Denice
Local Law Enforcement and Immigration: 
Lessons and Recommendations from Police 
Executives (2007-2021)
Committee Chair: Prof. K. M. Hult and Prof. M. M. Dull

Layou, Thomas Joseph
Staffing for Adequate Fire and Emergency 
Responders (SAFER) Grant Program: An 
Analysis of Fiscal Federalism and How 
Local Governments Utilize SAFER Grant 
Funding
Committee Chair: Prof. M. M. Dull

Okereke, David
The Quest to Humanize Policy 
Interventions: Exploring the Relationship of 
Neighborhood Revitalization Programs on 
Subjective Well-being (SWB) of Low - 
Income Neighborhoods in the United States 
Committee Chair: Prof. K. M. Hult

August 11, 2023

Talukdar, Shahidur Rashid
Policy Conflict Among Local Government 
Officials: How Officials' Engagement with 
Regional Governance Relate to Policy 
Position Divergence 
Committee Chair: Prof. K. M. Hult

RHETORIC AND WRITING

August 11, 2023

Gray, Katherine Maire
White Memory and the (Counter)Stories We 
Might Tell
Committee Chair: Prof. J. M. Dubinsky

SOCIAL, POLITICAL, ETHICAL, 
AND CULTURAL THOUGHT

December 14, 2023

Briggs, Alexandra Lauren
Police, White Supremacy, and the Affective 
Fact of Fear: A Critical Affective Analysis 
of the Reasonable Fear Doctrine for U.S. 
Police Use of Deadly Force 
Committee Chair: Prof. O. Agozino

Todd, Molly Frances
Borders, Art, and Imagination: Journeys 
with 'Marî from the Inside' and 'The 
Frontera Project'
Committee Chair: Prof. M. O. Stephenson, Jr. and 
Prof. L. Zanotti

Yildiz Alanbay, Sengul
Precarious Bodies in Motion: 
Choreopolitics, Affect, and Flamenco 
Dissent in Spain 
Committee Chair: Prof. F. Debrix

August 11, 2023

Plummer, Sarah E.
Objects in Protest: Bread and Puppet 
Theater's (Non)Human Solidarities 
Committee Chair: Prof. Z. Ni

SOCIOLOGY

December 14, 2023

Hayes, Whitney Ann
Enhancing Identity Theory Measurement: A 
Case Study in Ways to Advance the 
Subfield 
Committee Chair: Prof. N. Ramakrishnan and Prof. 
A. V. Reichelmann
Murrell, Ocqua Gerlyn  
A Framework for Black Girl Transitions Across Space and Time: Sint Maarten as a Case Study  
Committee Chair: Prof. D. L. Brunsma and Prof. A. N. Baldwin

August 11, 2023

Alonso, Robert Scott  
Carnivore Niche Dynamics, Resource Utilization, and Deer Consumption in the Central Appalachian Mountains of Virginia  
Committee Chair: Prof. M. J. Kelly

Ganser, Alissa Marie  
Investigating the Life History, Demography, and Thermal Tolerances of Rare and Endangered Freshwater Mussels (Bivalvia: Unionidae) in the Upper Tennessee River Basin  
Committee Chair: Prof. J. W. Jones and Prof. E. M. Hallerman

August 11, 2023

O'Brien, Rebecca Sarah  
Behavior and Conservation: The Role of Hellbender Reproductive Behavior in Responding to Anthropogenic Threats and the Value of Private Lands Research for Conservation Outreach  
Committee Chair: Prof. W. A. Hopkins

August 11, 2023

FORESTRY AND FOREST PRODUCTS

December 14, 2023

Alvarez Valverde, Mary Paz  
Finite Element Modeling of Plastic Pails When Interacting with Wooden Pallets  
Committee Chair: Prof. L. Horvath

Hurley, Elizabeth Colegrove  
Integrating Intercultural Competence Development into Graduate Education  
Committee Chair: Prof. R. B. Hull IV

O'Brien, Caleb  
Understanding Learning and Action in Place-based Climate Adaptation Workshops  
Committee Chair: Prof. M. J. Stern

Talley, Emily Katherine  
A Theory of Systems Leadership Illustrated by Eileen Fisher's Efforts to Become a Fashion Industry Leader in Sustainability  
Committee Chair: Prof. R. B. Hull IV

August 11, 2023

Brousseau, Jennifer Joyce  
Exploring How Social Justice is Considered in Climate Adaptation Planning and Implementation Within Local Governments in the United States  
Committee Chair: Prof. M. J. Stern

Junqueira Sartori, Pedro  
Economic Tools to Improve Forest Practices’ Outcomes  
Committee Chair: Prof. S. Z. Schons Do Valle
GEOSPATIAL AND ENVIRONMENTAL ANALYSIS

December 14, 2023

Arredondo, Johanna Rochelle
Spatial Tools for Management of Protected Natural Areas: Case Studies in Camping Management and Trail Impact Assessment
Committee Chair: Prof. J. L. Marion

Harris, Ryley Capps
A Multi-Scale Remote Sensing Approach for Coastal Policy Monitoring and Targeted Ecosystem Management: Mapping Forest Loss and Understory Structure in the Southeastern Coastal Plain, USA
Committee Chair: Prof. L. M. Kennedy

Swift, Troy Phillip
Geospatial and Field-based Techniques for Physical Geography and Environmental Change
Committee Chair: Prof. L. M. Kennedy

COLLEGE OF SCIENCE
BIOLOGICAL SCIENCES

December 14, 2023

Agbekudzi, Alfred
Similarities and Variations of the Enterobacterial Chemotaxis Paradigm in Sinorhizobium meliloti
Committee Chair: Prof. B. Scharf

Li, Xiaochu
Mathematical Modeling of Biological Dynamics
Committee Chair: Prof. J. Chen

Woelmer, Whitney Marie
Building, Applying, and Communicating Ecosystem Understanding Via Freshwater Forecasts Over Time and Space
Committee Chair: Prof. C. C. Carey

August 11, 2023

Dahora, Lara Iza
The Effects of Lead Toxicity on Thyroid Hormone Physiology in the Developing Brains of Xenopus laevis Tadpoles
Committee Chair: Prof. M. A. Fox and Prof. C. Thompson

Flores, Matthew Jose
Investigating Proteins That Influence Membrane-associated Germination Processes in Bacillus subtilis Spores
Committee Chair: Prof. D. L. Popham

Janoski, Jesse Ryan
Investigation Into the Molecular Mechanisms Underlying Circadian Rhythm Disruption and Human Cancer
Committee Chair: Prof. C. V. Finkielstein

Jones, Korin Rex
Community Assembly in the Amphibian Microbiome
Committee Chair: Prof. L. K. Belden

Unruh, Benjamin Alex
Understanding the Dynamics of Rhythmic Gene Expression in Mammalian Cells
Committee Chair: Prof. S. Kojima

CHEMISTRY

December 14, 2023

Petrova, Stella
Mixed Polysaccharide Esters for Amorphous Solid Dispersion Oral Drug Delivery Vehicles
Committee Chair: Prof. K. J. Edgar
Sapienza, Nicholas Severino
Spectroscopic Studies and Reaction Mechanisms of Small Molecule Oxidation Over Metal Oxide-Supported Catalysts
Committee Chair: Prof. A. R. Esker

Wang, Zhe
Investigation of Real-time Coupled Cluster Methods for the Efficient Calculation of Optical Molecular Properties in the Time Domain
Committee Chair: Prof. D. Crawford

Zhang, Yuxin
Investigation of Cathode Failure Mechanism to Enhance the Performance of Rechargeable Aqueous Batteries
Committee Chair: Prof. F. Lin

Li, Zhao
Regulating the Biomedical and Biocatalytic Properties of Amphiphilic Self-assembling Peptides via Supramolecular Nanostructures
Committee Chair: Prof. J. Matson

Novo, Diana Cecilia
Design and Synthesis of Complex and Fluorescent Labeled Cellulose-Based Derivatives for Orally Administered Drug Delivery Systems
Committee Chair: Prof. K. J. Edgar

Yang, Xiaozhou
Understanding the Chemistry and Mechanical Properties of Metal-Organic Framework-Polymer Composites
Committee Chair: Prof. A. Morris

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**ECONOMICS, SCIENCE**

**August 11, 2023**

Sedaghatkish, Nazanin
Three Essays on the Analysis of Firms' Behaviors Under Staggered Treatment Adoption
Committee Chair: Prof. N. Bose

Vu, Minh Long
The Relationship Between Bank Credit and Trade Credit: Three Essays on Their Interaction and Implications
Committee Chair: Prof. S. Luo

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**GEOSCIENCES**

**December 14, 2023**

Chilton, William Paul
An Investigation of Compound Riverine Flooding and the Influence of Anthropogenic Drivers Within Large-scale Catchments
Committee Chair: Prof. R. Weiss

DePaolis, Jessica
Diatom-based Reconstructions of Earthquake-induced Paleoenvironmental Change in Coastal Alaska and Washington, USA
Committee Chair: Prof. C. Dura

Sun, Shuyang
Seismic Imaging of the Global Asthenosphere Using SS Precursors
Committee Chair: Prof. Y. Zhou

Varela Valenzuela, Natalia Ines
High-latitude Sedimentation in Response to Climate Variability During the Cenozoic
Committee Chair: Prof. B. W. Romans
August 11, 2023

Murphy, Joshua
Geodynamic Modeling of Mars Constrained by InSight
Committee Chair: Prof. S. D. King

To, Khanh Hoang Thy
Exploring the Soft-tissue of the Archosaurian Feeding System Through Evolutionary and Developmental Temporal Space
Committee Chair: Prof. M. Stocker

Vadman, Michael John
Earthquakes in Complex Fault Settings: Examples from the Oregon Cascades, Eastern California Shear Zone, and San Andreas Fault
Committee Chair: Prof. J. A. Spotila

MATHEMATICS

December 14, 2023

Flanagan, Kyle Joseph
Professional Mathematicians' Level of Understanding: An Investigation of Pseudo-Objectification
Committee Chair: Prof. A. H. Norton III

August 11, 2023

Zhu, Benben
Almost Well-posedness of the Full Water Wave Equation on the Finite Stripe Domain
Committee Chair: Prof. S. Sun

NEUROSCIENCE

August 11, 2023

Shupe, Elizabeth Anne
Investigation of Somatomotor-sympathetic Brain Circuit Abnormalities in Two Rat Models Featuring Inborn Differences in Emotional Behavior
Committee Chair: Prof. S. Clinton

PHYSICS

December 14, 2023

Smith, Nicholas William
Optical Control and Probe of Ferroic Orders in Films, Nanostructures, and Perovskite-based Material Systems
Committee Chair: Prof. G. Khodaparast

Tellez-Giron-Flores, Karla Rosita
Calibration of the COHERENT Neutrino Flux Normalization Detector
Committee Chair: Prof. J. M. Link

Warren, Ada Meghan
Towards Scalable Solid-state Spin Qubits and Quantum Simulation of Thermal States
Committee Chair: Prof. S. E. Economou

PSYCHOLOGY

December 14, 2023

Mitropoulos, Tanya
Teleworker Well-Being in COVID-19 as a Function of Change in the Work/Home Boundary: A Multilevel Response Surface Approach
Committee Chair: Prof. C. Calderwood
Grubb, Christopher Thomas
Inference for Populations: Uncertainty Propagation via Bayesian Population Synthesis
Committee Chair: Prof. L. L. House

Liang, Jiayi
Contributions to the Interface Between Experimental Design and Machine Learning
Committee Chair: Prof. Y. Hong and Prof. X. Deng

Porter, Erica May
Bayesian Model Selection for Spatial Data and Cost-constrained Applications
Committee Chair: Prof. C. T. Franck and Prof. M. A. Ferreira

Walsh, Stephen Alexander
Bayesian Uncertainty Quantification While Leveraging Multiple Computer Model Runs
Committee Chair: Prof. M. A. Ferreira

Williams, Jacob Robert Michael
Bayesian Variable Selection for Linear Mixed Models When p is Much Larger Than n with Applications in Genome Wide Association Studies
Committee Chair: Prof. M. A. Ferreira

Hassebroek, Anna Marie
Severe Acute Respiratory Syndrome Coronavirus-2 Vaccine Development: A Virus-Like Particle Vaccine Approach
Committee Chair: Prof. X. Meng

Kaloss, Alexandra Marie
Therapeutic Targeting of Arteriogenesis Following Ischemic Stroke
Committee Chair: Prof. M. H. Theus

Paul, Swagatika
The Non-canonical Function and Regulation of TBK1 in the Cell Cycle
Committee Chair: Prof. M. H. Theus and Prof. A. M. Pickrell

Salama, Ehab Ali Aboulyazeed
Developing Novel Combinations for the Treatment of Invasive Fungal Infections
Committee Chair: Prof. M. N. Seleem

Khatibzadeh, Sarah M.
In vitro Evaluation of Equine Bone-marrow Derived Mesenchymal Stromal Cells to Combat Orthopedic Biofilm Infections
Committee Chair: Prof. L. A. Dahlgren and Prof. S. H. Bogers

Kravitz, Amanda Brooke
Host Genetic Markers of Resistance and Susceptibility to Ovine Johnes Disease
Committee Chair: Prof. N. Sriranganathan and Prof. G. Morota

Morrison, Holly A.
Noncanonical NF-kappaB Signaling is Critical to Maintaining Gastrointestinal Health
Committee Chair: Prof. I. C. Allen

Ogunmayowa, Oluwatosin Thompson
Neighborhood Historical Redlining, Present-day Social Vulnerability and Sports and Recreational Injury Hospitalizations in the United States
Committee Chair: Prof. C. Baker
Saklou, Nadia Talal  
Equine Herpesvirus Type 1: Filling Gaps  
Toward Improved Outbreak Management  
Committee Chair: Prof. K. K. Lahmers

Swilley, Cody Lynn  
Evaluation of Sex Differences in the  
Hippocampus and Pituitary of Egr1  
Conditional Knockout Mice Mediated by  
Nestin-Cre  
Committee Chair: Prof. H. D. Xie and Prof. K. W. Kehn-Hall

Sharma, Parul  
Bacterial Plant Pathogen Identification  
Using Genomics and Metagenomics  
Committee Chair: Prof. L. S. Heath and Prof. B. A. Vinatzer

Yi, Ziyue  
Systems and Comparative Analyses of  
Monocyte Dynamics Based Upon Single  
Cell Sequencing Data  
Committee Chair: Prof. L. Li

INTERDISCIPLINARY DEGREES
GENETICS, BIOINFORMATICS AND COMPUTATIONAL BIOLOGY
December 14, 2023

Brown, Connor Lee  
Metagenomics Based Environmental  
Monitoring for Surveilling Environmental  
and Community Health with Massive  
Biological Data  
Committee Chair: Prof. A. J. Pruden-Bagchi

Chen, Yirui  
Mathematical Modelling of Motility  
Regulation in Myxococcus xanthus  
Committee Chair: Prof. J. Chen

August 11, 2023

Sandercock, Alexander M.  
Evaluating the Adaptive Genomic  
Landscape of Remnant and Backcross  
American Chestnut Populations to Inform  
Germplasm Conservation  
Committee Chair: Prof. J. A. Holliday

Makowski, William  
A First Principles Approach to Product  
Development in Entrepreneurship  
Committee Chair: Prof. T. L. Martin and Prof. W. A. Schaudt

MACROMOLECULAR SCIENCE AND ENGINEERING
December 14, 2023

Barron, Edward John  
Multi-component Elastomer Composites for  
Next Generation Electronics and Machines  
Committee Chair: Prof. M. D. Bartlett

Bryant, Jackson Sewall  
Powder Bed Fusion of Polyolefins  
Committee Chair: Prof. M. J. Bortner and Prof. C. B. Williams

Gray, Ryan A.  
Rheology and Organic Filler Interactions in  
Phenolic Resin Formulations  
Committee Chair: Prof. S. F. O'Keefe
Kennedy, Alan James
Additive Manufacturing Filled Polymer Composites for Environmental Contaminants: Material Extrusion Processing, Structure and Performance
Committee Chair: Prof. M. J. Bortner

Liu, Yang
Accelerated Engineering of Hydrogels Using Cantilever Sensors
Committee Chair: Prof. B. Johnson

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH
December 14, 2023

Burns, Amber Lynn
Gut-brain Interactions in Food Reward
Committee Chair: Prof. A. G. DiFeliceantonio

Datla, Udaya Sree
Harnessing Systems Bioengineering Approaches to Study Microbe-microbe and Host-microbe Interactions in Health and Disease
Committee Chair: Prof. C. N. Jones

Hernandez, Raymundo Daniel
Astrocytes Across Health and Disease: A Focus on Astrocytic BDNF/TrkB.T1 Signaling During Development and Pathological CD38 Deficiency Across Aging
Committee Chair: Prof. M. L. Olsen

Imran, Khan Mohammad
Novel Approaches in Pancreatic Cancer Treatment: Bridging Mechanics, Cells, and Immunity
Committee Chair: Prof. I. C. Allen

Johnson, Jasmine Amari
Women's Healthcare Utilization in Primary and Acute Care Contexts
Committee Chair: Prof. B. R. Howell and Prof. R. A. Silverman

Murdaugh, Laura Bethany
A Novel Method of Measuring Operant Performance in Mice
Committee Chair: Prof. M. Buczynski

Myslowski, Jeremy Edward
fMRI Prediction of the Severity of Alcohol Use Disorder
Committee Chair: Prof. S. M. LaConte

Williams, Zachary James
The Voltage Gated Sodium Channel β1/β1B Subunits: Emerging Therapeutic Targets in the Heart
Committee Chair: Prof. R. Gourdie

August 11, 2023

Edwards, George Franklin
People with Active Opioid Use Disorder as First Responders to Opioid Overdoses: Improving Implementation Intentions to Administer Naloxone
Committee Chair: Prof. S. Parker

Farah, Hassan-Galaydh Mohamud
Sitting, Standing & Starting: Detailing Postural Control & Gait Anticipation for Children with Hemiplegic Cerebral Palsy
Committee Chair: Prof. S. DeLuca and Prof. R. M. Queen

Thai, K'Ehleyr Asia Puanani
The Gut Microbiome: A Contributing Mechanism to the Anti-seizure Effect of Topiramate
Committee Chair: Prof. S. Campbell

Valajannavabpour, Shaghayegh
Molecular and Epigenetic Mechanisms of Fear Memory
Committee Chair: Prof. T. Jarome
Avery, Jessica
Elementary School Administrators' Perceptions of Restorative Justice Regarding Student Discipline in One Rural Division in Virginia
  Committee Chair: Prof. J. L. Brinkmann

Brill, Meaghan Boteler
Female Superintendents: Does Gender Matter?
  Committee Chair: Prof. C. S. Cash

Frye, Kisha Tiala
Perceptions of How Middle School Teachers Build Culturally Competent Pedagogy and Practice for Positive Student, Family, and Peer Relationships
  Committee Chair: Prof. J. L. Brinkmann

Graham, Alice
Perceptions of Returning Adult Education Students Regarding Dropping Out of High School in One Virginia School Division
  Committee Chair: Prof. J. L. Brinkmann

Shears-Walker, Barbara Jean
Perceptions of High School Principals and Teachers Regarding Principal Leadership Practices in Support of Co-Teaching
  Committee Chair: Prof. J. L. Brinkmann

Bates, William Leroy
Relationship Between Teacher Self Efficacy and Teacher Behaviors and Student Achievement
  Committee Chair: Prof. C. S. Cash

Rolon, Sean Patrick
Secondary School-Based Leaders' Preferred Grading Practices and the Impact of Their Preferred Grading Practices on Their Respective Schools
  Committee Chair: Prof. C. S. Cash

Clapp, Adryan Foresman
EDUCATIONAL LEADERSHIP AND POLICY STUDIES
  Committee Chair: Prof. J. L. Brinkmann

Zito, Christine Elizabeth
EDUCATIONAL LEADERSHIP AND POLICY STUDIES
  Committee Chair: Prof. J. L. Brinkmann

Cox, Jennifer Ann
MASTERS DEGREES

COLLEGE OF

AGRICULTURE AND LIFE

SCIENCES

MASTER OF SCIENCE

AGRICULTURAL AND APPLIED ECONOMICS

December 14, 2023

Begum, Momotaj
Chowdhury, Tuhinur Rahman
Jung, Jaeyong
Neupane, Bishal
Panda, Shruti
Partin, Kolby Lake
Pudasainee, Aastha

August 11, 2023

Goldstein, Bram Lorenzo
Grimaldi, Andrew John
Morris, Virginia Kay
Nguyen, Huong Thi Nhi
Sembene, Maguette
Young, Amelia Rose

Edwards, Emmalee Ann
Feaster, Natalie Caryn
Grocholl, John
Harrison, Lauren Virginia
Hazelwood, Leigh Ann
Hendricks, Melissa
Lane, Rachel Hart
Lee, Michelle Victoria
Menaker, Morgan Sinclair
Parker, Hannah Dawn
Seekford, Sierra Athey
Sermersheim, Taylor Lee
Smith, Jeanell Ruth

ANIMAL AND POULTRY SCIENCES

December 14, 2023

Craun, Hannah Grace
Madden, Christian Earl
Nix, Jada Lindsay
Schultz, Milton Emanuel

August 11, 2023

Amirault, Katherine Elizabeth
Gregg, Savannah Renee
Jobst, Peter M.
Smith, Meredith JaneAnne

CROP AND SOIL
ENVIRONMENTAL SCIENCES
December 14, 2023
Phillips, Carter
Poudel, Puspa Kamal
Wolcott, Caroline
August 11, 2023
Larcom, Raven Miranda
Nicholakos, Sophia Aspasia

HUMAN NUTRITION, FOODS AND
EXERCISE
December 14, 2023
Choi, Joon Calvin

PLANT PATHOLOGY,
PHYSIOLOGY AND WEED
SCIENCE
December 14, 2023
Redoy, Mahadi Hasan

MASTER OF SCIENCE IN LIFE
SCIENCES
AGRICULTURAL AND
EXTENSION EDUCATION
December 14, 2023
McGraw, Carolyn Marie

August 11, 2023
Owen, Kasey Marie

BIOCHEMISTRY
December 14, 2023
McKinney, Justin Charles
Vanwinkle, Ashlynn Brook
August 11, 2023
Brock, Aaron Malik
Gabby, Maegan Elizabeth

ENTOMOLOGY
December 14, 2023
Riedel, Corey Stewart Robert
August 11, 2023
Bradley, Shannon Grace
Bradley, Sierra Elizabeth
Garba, Ahmed Oladayo
Hartigan, Daniel Patrick

FOOD SCIENCE AND
TECHNOLOGY
December 14, 2023
Banavar, Amiti Nastasia
Garg, Palak
August 11, 2023
Allen, Jordan
Xu, Tianyou
HORTICULTURE
December 14, 2023
Gandini Taveras, Ricardo Jose
Suero Mirabal, Alexis Emanuel

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE
December 14, 2023
Subedi, Manoj

August 11, 2023
Kerwien, Lauren Michelle
Srivastava, Dhiraj

MASTER OF SCIENCE IN NUTRITION AND DIETETICS
December 14, 2023
D Angelo, Austin Nicole
Farinas, Natalie
Hardy, Kristin Marie
Hostetter, Maggie Elizabeth
Largent, Tressa Renee
Meyer, Lindsey Maegan
Ryan, Erin Elizabeth
Slabach, Emily Suzanne
Turpen, Abigail
Wei, Mayilian

COLLEGE OF ARCHITECTURE, ARTS, AND DESIGN
MASTER OF ARCHITECTURE
December 14, 2023
Almatani, Bashair Saad
Kavousi, Shabnam
Sakhdari, Saeed
Sedra, Nathaniel Mokhles Boshra
Vargas Arias, Daniela

August 11, 2023
Agcayazi, Betul
Cooke, James Long
Cullen, Kathleen McNamara
ElFallah, Sara
Hong, Wei
Hudacek, Kaija
Ilgen, Tugba
Janci, Aaron
Li, Qiuyi
Mitchell, Henry
Mufti, Shimaa Talal
Pernot, Allan John
Young, India
MASTER OF FINE ARTS
CREATIVE TECHNOLOGIES
December 14, 2023
Burrell, Bryce Alexander
Cheng, Pai-Hsueh

MASTER OF LANDSCAPE
ARCHITECTURE
December 14, 2023
Jia, Mo

MASTER OF SCIENCE
ARCHITECTURE
December 14, 2023
Eisenmann, Marion Caroline
Kia, Kambiz
Liao, Jinrui
Pilania, Diksha
Putta, Praneetha
Rabab'ah, Ikhlas Oqlah
Shaver, Andrew Charles
August 11, 2023
Marggraf, Gregory Paul
Taheri, Hoda
Vemulapalli, Jashwanth

MASTER OF URBAN AND
REGIONAL PLANNING
December 14, 2023
Brown, David Eugene
Denicoff, Miles Jacob
Flachs-Surmanek, C. Meranda
Harding, Jake

PAMPLIN COLLEGE OF
BUSINESS
MASTER OF ACCOUNTING AND
INFORMATION SYSTEMS
December 14, 2023
Armah, George
Barnhill, Maya Elizabeth
Boyd, Kaleigh Ann
Fasco, Molly Anne
Gurrola, Grace Michelle
Herndon, Benson Royce
Rabbaa, Leen
Sening, Nathan Andrew
Swortzel, Erik Matthew
Tillett, Olivia Mason
Wiglesworth, Kaylah Brook

MASTER OF BUSINESS
ADMINISTRATION
December 14, 2023
Ahad, Zack Wahab
Alvarez Jr., Fernando Ustariz
Black, Rachel
Blanchard, Tyler Justin
Cruttenden, Devin Reid
Dephillips, Julian David
Islam, Tariq
Kuranchie-Asiedu, Cindy
Maddox, Mark Stephen
Marepalli, Prathyush
Ndangoh, Alison Thompson
Nottingham Jr., Robert Reid
Preusse, Ryan David
Sangobowale, Samuel Olatubosun
Spragg, Luisa
Stuver, Colin James
Walsh, Mallory Patricia
Zuniga, Carlos A.

August 11, 2023

Amato, Tyler Charles
Cox, Christopher Thomas
Heggade, Manju
Phan, Truc Thanh
Trimmer, Meagan Michelle
Walker, Malachi James

MASTER OF SCIENCE
BUSINESS ADMINISTRATION

December 14, 2023

Almalki, Norah Shaker H.
Almosned, Hailah
Bensman, Blake Coleburn
Berrached, Manal
Bin Fares, Fahad Sultan S.
Cai, Qiaoqiao
Halawani, Ahmad Hassan A.
Herbert, Lillian Grace
Irshaidat, Tawfiq Amjad Tawfiq
Rhoads, Kathryn Elizabeth
Shah, Md Gaffar Hossain
Sherpa, Neema

August 11, 2023

Abdulkadir, Zaki Nureddin
Aghera, Kunal Bipin
Brown, Kelsey Lynne
Chapman, Lauren Rachel
Chowdhury, Md Sabbir Hossain
Cunningham, Zachary Thomas
Davis, Hannah Snow
Ford, Brycen Huffman
George, Aaron Matthew
Hall, Jessica My-Huynh
Hieu, Thuy-Vy Trang
Hoang, Gia Hoa Duc
Hofer, Daniela
Imholte, Andrew David
Larrick, Emily Grace
Le, Mylinh Hoang
Lin, Ting-Chun
Lowery, Nathan Daniel
Moriarty, Liam Joseph
Murphy, Donovan James
Murphy, Sean Conner
O'Reilly, Collin Joseph
Opoku, Aaron Obeng
Pan, Shu
Phillips, Myles Cameron
Ragsdale, Thomas Lane
Raphaelson, Joshua
Raskin, Boman Grant
Rice, Harrison Scott
Ruhl, Elizabeth Mason
Schloer, Gwyneth Marie
Soh, Brendan Cooper
Spotswood, Jacob Alexander
Surkutwar, Pradnya Yogesh
Tabbalat, Dina Mazen Ali
Young, Andrew Jonathan

COLLEGE OF ENGINEERING

MASTER OF ENGINEERING
AEROSPACE ENGINEERING
December 14, 2023
Swartz, Kaitlyn Elizabeth

BIOLOGICAL SYSTEMS ENGINEERING
August 11, 2023
Jiang, Caiping
Shao, Shengjie

COMPUTER ENGINEERING
December 14, 2023
Agarwal, Mukund Vinay
Callen, Joseph William
Chekuri, Venkata Adithya
Dharmadhikari, Yash P.
Gandhi, Shreya
Ganti, Srihari Manish Subrahmanya Sairam
Jahagirdar, Himanshu Girish
Myakala, Deekshit
Rajanarayanan, Sasweth
Ruvalcaba, Adrian
Sangwan, Aseem
Sims, Christopher Cole
Wildemann, Ian Robert
Wu, Chengpei

August 11, 2023

Shah, Manthan Anish

COMPUTER SCIENCE AND APPLICATIONS

December 14, 2023

Abdul Malik, Mohammed

Alsheikh, Abdullah

An, Hyunjin

Andrade, Jason

Anwara II, William Ewah

Arnold, Nathan Harley

Asher, Timothy Bryan

Atla, Sagar

Barry, Alexander

Bathala, Sai Pavan

Berlow, Scott Richard

Bernard, Cedric Alain

Botelho, Carson Ryan

Chen, Yi-Han

Chen, Youwei

D'Anna, Joseph Dakota

Davis-Wallace, Liam John

DeVerteuil, Steven Charles

Diwan, Aditi

Dutt, Collin Patrick

Eekkilisseri Puthukkayi, Saran Sankar

Fitzhugh, Thomas Robert

Fotedar, Ajinkya

Gaugler, Daniel John

Guo, Xiao

Hanson, Ryland Michael

Hilla, Amy Elizabeth

Hinton Jr., James Love

Holland, Darius O'Ryan

Jones, Casey Kevin

Kakarla, Sushma Kumari

Kale, Kaustubh Amit

Karri, Srikanth

Koehler, Christopher Michael

Koonce Jr., Thomas Earl

Kyada, Lax Bharatbhai

Li, Weiting

Liang, Rundong

Lohani, Meena

Lowe, Alyssa Caroline

Macpherson, Jack Buckley

Maddhuru, Mahesh

Mehta, Samarth Rajendra

Neubig, Kathleen M.

Phaup, Evan Lewis

Puerta Hincapie, Sebastian

Qi, Meng

Raja, Ali

Ranawat, Parth Dinesh

Samuel, Jonathan
Shah, Aarya Kalpak
Shinde, Shraddha Sahil
Sisson, Ryan David
Stapor, Thomas Conrad
Sullivan, Kent Christian
Summers, Jacob Paul
Upadhyayaya, Shrikanth
Vegesna, Saketh
Walters III, Albert Newton
Wang, Muyang
Wang, Yumin
Weaver, Ethan Morris
Whitaker, Jack Wyatt
Wu, Syuan-Ying
Wu, Tinghui
York, Evan Nathaniel

**ELECTRICAL ENGINEERING**

**August 11, 2023**

Bokhari, Rayaan
Lewis, Ryan Daniel
Tunks, Bradley Burke

Cherfaoui, Nadhir

**INDUSTRIAL AND SYSTEMS ENGINEERING**

**December 14, 2023**

Akinwande, Feyisayo Alexander
Anderson, Gabrial Trail
Ba-Aoum, Mohammed H.
Babaei Shalmani, Kian
Hawley, Heather Cassidy
Jacoby, William Brandon
Johnston, Jake T.
Joshi, Aditya
Nair, Amith Pradeepkumar
Nayak, Aanchit Vimalkumar
Neira Gonzalez, Daniel A.
Pham, Michelle
Rajabi, Mohammad Sadra

**MATERIALS SCIENCE AND ENGINEERING**

**August 11, 2023**

Smith, Aidan Harper

Davila, Adrian G.
Garza, Christopher T.
Tran, Thien Quoc
August 11, 2023
Arisa, Iffat
Koelsch, Alexander Stephen

NUCLEAR ENGINEERING
December 14, 2023
Henshaw, Samuel Todd

MASTER OF ENGINEERING ADMINISTRATION
December 14, 2023
Vaughan, Ashton Joseph
Walls, Kristen Loraine

MASTER OF SCIENCE AEROSPACE ENGINEERING
December 14, 2023
Binder, Paul Edward
Braik, Abdullah
Cagdas, Taha Irfan
Chaphalkar, Aakash Santosh
Christensen, Brandon James
Clares Pastrana, Jorge Arturo
El Ghossein, Joe
Engel, Kevin James
Hutchins, Grant Thomas
Jackson, Eric Ryan
Krishna Kumar, Vignesh
Lane, Kayton Anne
Midas, Alex Matthew
Newcomb, Steven David
Owens, Dillon Joseph
Preisser, Reece Randolph
Roberto, Joseph Troy
Schlussel, Ethan Jacob
Sellards, Emily Rose

August 11, 2023
Braaten, Erik
Chaware, Shreyas Satish
Funada, Kenta Patrick
Meland, Tallak Edward
Palanganda, Shaheen Thimmaiah
Parks, Daniel James
Patel, Reegal Shailesh
Perron, Alexander J.
Zaffram, Matthew

BIOLOGICAL SYSTEMS ENGINEERING
December 14, 2023
Goodman, Lucas
Sterling III, Charles W.

BIOMEDICAL ENGINEERING
December 14, 2023
Kleinschmidt, Katelyn Anne
BUILDING/CONSTRUCTION
SCIENCE AND MANAGEMENT
December 14, 2023
Beck, Coleton Allen
Carroll, Emily Rose
Desai, Payal Jaydeep
Funk, Kassidie Leilani
Miles, John Bennett
Robinson Jr., Kevin Ronald
Russo, Alexander

CIVIL ENGINEERING
December 14, 2023
Adesoji, Tolulope Adedamola
Aryal, Rijan
Bhange, Pratik Prasad
Bhochhibhoya, Sanish
Brouwer, Heather Renee
Brown, Jacob Michael
Creed, Brendon Nicholas
Cronin, Rachael Dorothy
Dalal, Jugal Jiten
Dave, Jay Parag
Granche, Alex Parker
Gupta, Ujjwal
Ha, Gia Hoang
Honeycutt, Emmalee June
Hong, Dawei
Hummel, Elise Giovanna
Ismail, Raed Marwan
Janney, Olivia
Josiam, Malini Morapakkam
Katarpawar, Raghvendra
Love, Ryan Michael
Maharjan, Roisha
Malpure, Pratik Gajanan
Mane, Pradyum Sunil
Mehta, Karan Bhupendra
Newcomb, Morgan Ji Hae
Panchal, Harsh Jigar
Paudel, Akshaya
Pratt, Clayton Michael
Prieur, Quinten Chirstopher
Provost, David Vaughan
Remington II, Thomas McKean
Rios, Vanessa Lorena
Saint-Fort, Benjamin
Shaikh, Mohammad Atif Mohammad Azim
Smith, Amanda Christine
Tempone Jr., Daniel James
Thapa, Samiksha
Trehy, Sam
Tsogt-Ochir, Norovbanzad
Ung, Aidy
Walker, Emma Hayden
Werber, Nelson Norris
White, Julia Grace
Whitesell, Tanner Ashby
Yanamala, Akhileswar Reddy
Zedan, Michael

**August 11, 2023**

Alsayyedahmad, Muaath
Andersen, Rylan Dakota
Antonis, Ann Mary
Hutton, Hunter Greer
Jeon, Byeonguk
Mercado Celin, Maria Angelica
Nguyen, Tu-Nam N.
Pandit, Rashna
Perez Vidal Ribas, Marta
Pham, An Huy
Roshan, Aaditaya Raj
Tawade, Omkar Ashok

**COMPUTER ENGINEERING**

**December 14, 2023**

Baron-Hyppolite, Adrian Louis
Baykal, Asude
Bettendorf, Isaac Tranmer
Chada, Bhanu Prakash Reddy
Howell, Bryson Lloyd
Jain, Sandesh Rajendra
Jha, Sonal
Just, Hoang Anh
Lee, Geunbae John
Mukherjee, Rajarshi
Mulagalapati, Pavan Kumar
Muller, Braeden Phillip Swanson
Nwodo, Kenechukwu Anthony
Oh, Junho
Parekh, Ankit
Pham, Minh Nguyen
Sahu, Antorip
Stelmack, Maxwell Asher
Subramanian, Amritha
Sundarasamy, Abilesh
Zeng, Yingyan

**August 11, 2023**

Abhyankar, Nikhil Suhas
Choudhury, Aakash
Keshabhoina, Tarun Rao
Masrourisaadat, Nila
Mudunuri, Meghana Varma
Noor Mohamed, Mohamed Husain
Ramesh, Hemanth
Sethi, Prateek
Sonth, Akash Prakash

**COMPUTER SCIENCE AND APPLICATIONS**

**December 14, 2023**

Abdel Messih, George Ibrahim
Antony, Blessy
Ashiq Khan, Mohammad Ishtiaq
Baddam, Vasanth Reddy
Bhowmick, Protick
Bruen, Jacqueline
Chen, Ting-Chih
Desai, Humaid Ahmed Habibullah
Donald, Sam Alexander Knowles
Enriquez, Daniel
Gupta, Chirag
Gupta, Muskan
Haltiwanger, Jacob Sayid
Haque, Md Mahim Anjum
He, Chongyu
Ishmam, Alvi Md
Kumar, Anisha
Kumar, Saurav
Parajuli, Khushi
Pathak, Jignasu Yagnesh
Pias, Tanmoy Sarkar
Shirzadian, Pouyan
Song, Wenjia
Thukkaraju, Ashrith Reddy
Williams, Samuel Hamilton

August 11, 2023

Bhandare, Shreya Amit
Cameron, Melissa Anne
Ellore, Anish Reddy
Gulati, Ishaan

Hall, Erin Elizabeth
Krasner, Alexander Laurence
Patel, Jaitun Vijaybhai
Reiske, Gunnar William
Thapa, Surendrabikram
Tripathy, Abhijit
Wang, Boyuan

ELECTRICAL ENGINEERING

December 14, 2023

Alcorn, Devon Montague
Andrews DeHart, Roderick
Ashraf, Haris Bin
Bondada, Kumar Sai
Deshmukh, Satyajeet Sanjay
Gibbons III, Richard Francis
Husain, Murtuza Nadim
Liang, Junming
McGrew, Tyler
Mejia, Elieser A.
Moaz, Taha
Moon, Heejip
Pradhan, Anish
Roy, Aishworya
Ruan, Yizhi
Tang, Ruike
Yuan, Tianlong
Zaman, Zayeem Habib
Zhao, Yuming
August 11, 2023

Chen, Shin-Yu
Clark, Evan Peter
Lester, Danielle Kathryn
Sharfeldden, Sharifa
Vivent Barahona, Francisco Javier

ENGINEERING MECHANICS
December 14, 2023
Neigh, Thomas Alexander
August 11, 2023
Jain, Sahaj Sunil

ENVIRONMENTAL ENGINEERING
December 14, 2023
Avila, Allyson Paige
Benitez, Ramon
Dadiala, Rhea
August 11, 2023
Smith, Emily Ann
Stacy, Melissa Renee
Zombori, Henriette

INDUSTRIAL AND SYSTEMS ENGINEERING
December 14, 2023
Iyer, Arjun
Kelley, Sydney Aelish

Radlbeck, Joshua Thomas

MATERIALS SCIENCE AND ENGINEERING
December 14, 2023
Adelmann, Joshua Thomas
Boshkovski, Filip
Kalil, Andrew Jeffrey
McKinney, Dallas M.
Wang, Haozheng

MECHANICAL ENGINEERING
December 14, 2023
Adams, Caleb Jeremiah
Ahn, Suyeon
Chakrabarti, Sounak
Dejager, Matthew Emerson
George, Edwin Subin
Huang, Jianuo
Hubinger, Benjamin Evan
Janjua, Ahmed Nawaz
Karmarkar, Bhas Niteen
Konda Ram Kumar, Ram Suraj
Kurup, Alekh Manoshkumar
Lee, Edward Weng Wai
Mollica, Hunter Thomas
Presley, Christopher Tre
Ravichandran, Nikhil
Sheng, Baoyi
Shrikanthan, Sudarshan
Smith, Hudson Cahill
Stoll, Florian Lucas Julian
Suresh, Jagannath
Thielman, Maria-Fe Sayon
Wu, Ditong
Zhang, Jiajun
Zhao, Hengduo
Zhou, Yifan

August 11, 2023
Arbolino, John Christopher
Hendrickson, Michael Paul
Le, Tung Xuan
Newton, Nicholas James
Oubre, Ryan M.
Patel, Darshit Satishkumar
Ruhlman, Matthew Cassel

MINING ENGINEERING
December 14, 2023
Arnold, Joshua Ryan

OCEAN ENGINEERING
December 14, 2023
Dougherty, Hugh Raymond Robert
Walsh, Michael Joseph

SYSTEMS ENGINEERING
December 14, 2023
Husain, Mohammed
Norris, Michael Christopher
Tuck, Jesse Robert

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
MASTER OF ARTS
ENGLISH
August 11, 2023
Jorge, Kathleen Anne

FOREIGN LANGUAGES, CULTURES, AND LITERATURES
December 14, 2023
Fleshman, Michelle Louise
Rubio Coronado, Angela
Tantipiwattanaskul, Chanisara
Wimbish, Hampton Massie

HISTORY
December 14, 2023
Grant, Andrew Alan
MATERIAL CULTURE AND PUBLIC HUMANITIES
    December 14, 2023
Wisnewski, Olivia Ann

PHILOSOPHY
    August 11, 2023
Cardwell, Spencer Christian

POLITICAL SCIENCE
    December 14, 2023
Elbasyouny, Ahmed Mohamed Mohamed

MASTER OF ARTS IN COMMUNICATION
    COMMUNICATION
    August 11, 2023
Cole, Jared Lee

MASTER OF ARTS IN EDUCATION
    CURRICULUM AND INSTRUCTION
    December 14, 2023
Ambarkutuk, Zeynep
Dawson, Megan Hope
Gonzalez, Viviana Nicole
Hoag, Casey Gail
Kiran, Azka
Mercer, Sheridan Anne
Sargent, Kayla M.
Smith, Kaleb Aren
Wultors, Scott Cody

EDUCATIONAL LEADERSHIP AND POLICY STUDIES
    December 14, 2023
Cooke, Stephanie Michelle
Deihr, Kayleigh Llewellyn
Steiner, Brandi Nichole

MASTER OF FINE ARTS
    CREATIVE WRITING
    December 14, 2023
Reres, Shannon Elizabeth
MASTER OF PUBLIC ADMINISTRATION
PUBLIC ADMINISTRATION/PUBLIC AFFAIRS

December 14, 2023

Buzby, Kristen Anne
Galliher, Haley Elizabeth
Gunn, Rebekah B.
Horner, Christine Ann
Jones, Joshua Logan
Mills, Joseph Eugene
O'Brien, Angela Lynn
White III, David Hampton
Wilcox, Tanya Remson

MASTER OF PUBLIC AND INTERNATIONAL AFFAIRS

December 14, 2023

Ahmed, Abdurahman A.
Belvin, Abigail Cynthia
Lewis, Imani Darshay
Nauss, Christine Marie
Newton, Billy E.
Spillane, Christa Renee
St. Laurent, Morgan Elizabeth

MASTER OF SCIENCE
HUMAN DEVELOPMENT

December 14, 2023

Toman, Madelyn

SOCIOLOGY

December 14, 2023

Amore, Jenaya

MASTER OF SCIENCE IN EDUCATION
CAREER AND TECHNICAL EDUCATION

December 14, 2023

Bernot III, Raymond Michael
Stokes, Caitlyn Janise

August 11, 2023

Tomlinson, Lindsay Michele

MASTER OF URBAN AND REGIONAL PLANNING

December 14, 2023

Wassif, Mirna
COLLEGE OF NATURAL RESOURCES & ENVIRONMENT

MASTER OF FORESTRY

December 14, 2023

Christensen, Brittany R.
Dishman, Sarah Gray

MASTER OF NATURAL RESOURCES

December 14, 2023

Ahluwalia, Sonam
Alvis, Madison Grace
Anderson, Julianne Marie
Biles, Calle
Bohach, Nathaniel
Brenneman, Kimberly Ann
Campbell, Darryl
Clark, Samuel Edward
Cornette, Adam Douglas
Damide, Celine
Diaz, Marco
Ejups, Amanda Laura
Esteves, Rachel Daye
Eye, Kenneth Ward
Felix de Brito, Bruna
Flaherty, Danna Bedford
Foster, Morgan Leigh
Frazer, Peter William
Freeman, Andrew Stephen
Gager, Benjamin Winters
Garrewats, Rachel Marie
Getman, Timothy Michael
Giles, McCaslin
Gills, Mandi Sophia
Haan, Elise Marie
Haggerty, Ellen
Halstead, Jennifer Nicole
Hester, Shanan E.
Hoyt, Emily Elizabeth
Hunter, Adrian Carl
Jimenez, Chante Natalie Dawn
Johnson, Mary T.
Johnson, Virginia Hart
Kaye, Brian
Kinney, Mary Kathryn
Lassiter, Kaycie Marie
Mackey, Jessica
Manning, Ashley Hollis
Mansfield, Victoria J.
Matney, Autumn Jade
McLellan, Ethan
Nguyen, Kathy Le
Ponsler, Darian
Redan, Maxwell
Reddy, Shweta
Riley, Kaitlyn Ann
Rodrigues, Yazmeen Bella
Savage, Patricia
Smith, Matthew Jeffrey
Strickland, Zeb Lakota
Ujejski, Basia
Valentine, David Weston
van Gelder, Brenda Ann
Velazquez, Casey
Vogt, Mika Anna Sutter
Westpfahl, Ryan
Whitlow, Ann Randolph
Wilkinson, Alyssa
Williams, DeShay
Wilson, Ilayda Ecem

August 11, 2023

Baker, Carrie Blanton
Brickhouse, Skye Orion
Case, Tanesha A.
Ciancio, Kyle Anthony
Donnelly, Erin Elizabeth
Feng, Qihua
Fry, Melissa Dyan
Gerdes, Joseph Lee
Hanna, Karina Leigh
Netzel, Jacob Andrew
Rife, Rachel
Rueda, Alyssa Adrianna
Sanders, Michael D.
Velaski, Matthew

MASTER OF SCIENCE
FISHERIES AND WILDLIFE
December 14, 2023

Dorsey, Sharon Selena-Lee
Low, Jonathan
Oakley, Josephine Marie
Slack, Katherine Louise
Wong, Chad Christopher

August 11, 2023

Allred, Cory Rae
Betts, Madison
Guill, Marissa Hahn
Holguin, Charlie

FORESTRY AND FOREST PRODUCTS
December 14, 2023

Boyle, Grady John
Cricco Doldan, Aida Isabella
Hobbs, Sean Patrick
Moore, Ryan Michael
Platt, Erik James
Sharma Banjade, Sonia
GEOGRAPHY
December 14, 2023
Ayesu-Danso, Brandy
Dharmasiri, Indunil Prabodha
Miele, Alexander
August 11, 2023
Bristow, Cole Austin

COLLEGE OF SCIENCE
MASTER OF ARTS
ECONOMICS
December 14, 2023
Alkhtib, Abdulla
Gong, Yuecheng
Lahiri, Koustuv
Najafi, Faezeh
Park, Jonghyun

MASTER OF ARTS IN DATA ANALYSIS AND APPLIED STATISTICS
December 14, 2023
Lee, Ethan
Nagel, Benjamin Alexander
Puri, Roshan

MASTER OF SCIENCE
BIOLOGICAL SCIENCES
December 14, 2023
Conley, Dane Alexander
August 11, 2023
Farzad, Roxanna
Kohler, Brian Jacob
Ramos, Jazel Mae

CHEMISTRY
December 14, 2023
Abdulhaq, Israa
Banerjee, Sarasi
Gandhi, Shivam Paresh
Payette, Michael Robert

GEOSCIENCES
December 14, 2023
Fitch, Adam J.
King, Gregory Lester
McCabe, Kayla Elizabeth
Zehsaz, Sonia

MATHEMATICS
December 14, 2023
Bender, Sam
Grey, Megan Elizabeth
Tahmasian, Sevak
August 11, 2023
Lang, Sydney
Mitchell, Corinne

PHYSICS
December 14, 2023
Byun, Doyee
Huang, Yisheng

PSYCHOLOGY
December 14, 2023
Cornette, Kelsi
Diaz Benitez, Vanessa
Harrison, Jerry
Lindenmuth, Morgan Brittany
Neal, Joshua

August 11, 2023
Wardale, Jack

STATISTICS
December 14, 2023
Beardsley, Jake
Desai, Sakshar Samir
Flowers, Anna

THE VIRGINIA-MARYLAND COLLEGE OF VETERINARY MEDICINE
MASTER OF PUBLIC HEALTH
December 14, 2023
Domingues, Dimas Fernando
Hensley, Casey

August 11, 2023
Syed, Saad Masroor
Welch, Thomas Charles

MASTER OF SCIENCE
BIOMEDICAL & VETERINARY SCIENCES
December 14, 2023
Buman Ruiz Diaz, Maria Paz
Burns, Nicolas Dale
Ciepluch, Michael Frederick
Edwards, Michael Richard
Stoyanof, Stephen Tristan

August 11, 2023
Barth, Samantha Irene
Cardona, Guillermo Andres
Yang, Ester
INTERDISCIPLINARY DEGREES

MASTER OF INFORMATION TECHNOLOGY

December 14, 2023

Abdulali, Murtaza
Adams, Vicki
Ahmed, Gasser
Ayenew, Helen
Baratov, Umid
Beverstock, Brooks Martin
Bhatia, Rhea
Blackwell, Robert Gaines
Branch, Nelaje
Bryant, Sarah Laraine
Carpenter, Aaron Jesse Curtis
Crosson, Tyler
Custer, Joseph-Levi Coceano
Cys, Jane
Davidson, Brian Christopher
Diarrassouba Epse Kamagate, Karidja
Espinosa, Rafael Enrique
Fazli, Mohammad Waris
Ford, Robert
Fuller, Prescott Trent
Garcia, Branco Mauricio
Gary, Casey Wade
Guo, Mengyi

Hermann, Caitlin Juliann
Hoffmann, John Robert
Holmes, Blake Taylor
Ibrahimi, Khatera
Kallige Bhasker, Anusha
Kaur, Manjot
Kennedy, Elizabeth Caroline
Kim, Andy Jinyoung
Kretlow, Zachary Alexander
Lamb, Benjamin Michael
Lee, Seungho
Livesay, Joseph Stephen
Macpherson, Margaret Pharr
Madathil, Shafina
McCarry, Steven Taylor
Missar, Ariana V.
Monette, Jodie
Nerurkar, Onkar Vivek
Ng, James Ming-Hei
Noll, Jackson Robert
Potluri, Prudhvi Kumar
Prioleau, Carlton Adam
Reitman, Nicolas Alexander
Repko, Ally McKenzie
Rice, Jason Alan
Rizwan, Hamnah
Rosales, Luis Alberto
Salmeron, Kayla Elena
Shaffer, Micah
Sharma, Siddharth
Sherwani, Hina
Smith, Shannon Alexis
Styles, Caitlin Paige
Sullivan, Nikolas
Tandberg, Wade
Telford, Zachary Parker
Thorekadanahalli Anandh Kumar, Poojitha
Tran, Van Long
Trsic, Daniel Alan
Turner, Margaryta
Vail, Michaela Purdy
Wald, Benjamin Alan
Waldrop-Eng, Rhonda Yvonne

August 11, 2023

Benson-Turner, Leslie L.
Blanton, James William
Boardman, Nickolas Wade
Brehany, Andrew Joseph
Carberry, Kimberly Renee
Chenault, Michael Kirk
Colorado, Alexenos Torres
Correa, Jhonny P.
Currier, Alexander W
Despars, Michael Robert
Hall, Mark Edward
Holt, Rachel Elisabeth

Ilic, Zorana
Jazayeri, Seyed Hossein
Jones, Meredith Ashton
Lemieux, Alexander James
Li, Yingquan
Martinez, Robert Joseph
McWhinney, Laura
Miller, Alyssa Shelby
Olsen, Helen Nicole
Pavey, Brian Lawrence
Ranjan, Nitish
Rezai, Saam
Romero Vicente, Sara
Sabo, Ryan Andrew
Tedla, Tighisti Fesshaye
Tipirneni, Sai Naveen
Yi, Katharine Alma
Yoon, Hyung-Joon

MASTER OF SCIENCE
TRANSLATIONAL BIOLOGY,
MEDICINE AND HEALTH

December 14, 2023

Ding, Hanzhang

August 11, 2023

Carlson, Alec
GRADUATE CERTIFICATES
APPLIED STATISTICS
December 14, 2023
Branch, Nelaje
Carberry, Kimberly Renee
Holmes, Blake Taylor
Kennedy, Elizabeth Caroline
Rice, Jason Alan
Telford, Zachary Parker
Trsic, Daniel Alan

August 11, 2023
Brehany, Andrew Joseph
Fuller, Prescott Trent
Hall, Mark Edward
Sudran, Andrew Ryan

BIG DATA
December 14, 2023
Beverstock, Brooks Martin
Bryant, Sarah Laraine
Madathil, Shafina

August 11, 2023
McWhinney, Laura

BUSINESS DATA ANALYTICS
December 14, 2023
Bryant, Sarah Laraine
Cys, Jane
Salmeron, Kayla Elena
Sharma, Siddharth
Styles, Caitlin Paige

August 11, 2023
Lekang, Donna
McWhinney, Laura

CYBERSECURITY MANAGEMENT
December 14, 2023
Davidson, Brian Christopher
Diarrassouba Epse Kamagate, Karidja
Livesay, Joseph Stephen
Smith, Shannon Alexis
Waldrop-Eng, Rhonda Yvonne

August 11, 2023
Despars, Michael Robert
Martinez, Robert Joseph

CYBERSECURITY POLICY
December 14, 2023
Adeoye, Samson
Carberry, Kimberly Renee
Carpenter, Aaron Jesse Curtis  
Cys, Jane  
Holmes, Blake Taylor  
Kennedy, Elizabeth Caroline  
Ratcliffe, Victoria Frazier  
Telford, Zachary Parker  

**CYBERSECURITY TECHNOLOGIES**  
*August 11, 2023*  
Diarrassouba Epse Kamagate, Karidja  
Khan, Sophie F.  
Kretlow, Zachary Alexander  
Prioleau, Carlton Adam  
Rice, Jason Alan  
Sisido, Ronald Edgar  
Turner, Margaryta  
Wald, Benjamin Alan  

**DATA ANALYTICS**  
*December 14, 2023*  
Parekh, Ankit  
Poudel, Puspa Kamal  
Shen, Mengqi  

**DISASTER RESILIENCE**  
*December 14, 2023*  
Poling, Kase Scott  

**FUTURE PROFESSORIATE**  
*December 14, 2023*  
Abdulhaq, Israa Mohammed  
Adesoji, Tolulope Adedamola  
Al Amri, Kamla Sulaiman  
Alhomoud, Nouf
Almuzaini, Hanan Nasser
Apte, Dhruv Girish
Buman Ruiz Diaz, Maria Paz
Chehimi, Mahdi
Gnanasambandam, Raghav
Krost, Kevin Andrew
Loury, Jacoby
Pilania, Harshal
Shiraishi, Juan Diego
Stewart, Bethany
Varela Valenzuela, Natalia Ines
Yang, Jun
Yusuf, Anthony Olukayode
Zehsaz, Sonia

August 11, 2023
Brousseau, Jennifer Joyce
Kianmehr, Ayda
Shen, Zhongzhe

GEOSPATIAL INFORMATION TECHNOLOGY
December 14, 2023
Sterling, Charles

GERONTOLOGY
August 11, 2023
Pourkhalili, Azin Rose

GLOBAL SUSTAINABILITY
December 14, 2023
Alvis, Madison Grace
Biles, Calle Yates
Bohach, Nathaniel
Brown, Bernard R.
Campbell, Darryl
Clark, Samuel Edward
Cornette, Adam Douglas
Cox, Hannah Michelle
Damide, Celine
Diaz, Marco
Eye, Kenneth Ward
Felix de Brito, Bruna
Ferguson, Owen
Flaherty, Danna Bedford
Foster, Morgan Leigh
Freeman, Andrew Stephen
Gager, Benjamin Winters
Garrewats, Rachel Marie
Geisner, Mackenzie
Giles, McCaslin
Gills, Mandi Sophia
Gray, Brionna Huenell
Gwilliam, Rachel Elizabeth Terry
Haan, Elise Marie
Halstead, Jennifer Nicole
Herring, Jessica
Hester, Shanan E.
Hinze, Tracy T.
Jimenez, Chante Natalie Dawn
Johnson, Mary T.
Johnson, Virginia Hart
Kaye, Brian
Kinney, Mary Kathryn
Lassiter, Kaycie Marie
Manning, Ashley Hollis
Mansfield, Victoria J.
McCall, Marley Brooke
McCue, Krysten
Nguyen, Kathy Le
Platt, Kirstin Runberg
Redan, Maxwell
Riley, Kaitlyn Ann
Rodrigues, Yazmeen Bella
Rooney, Molly Elizabeth
Savage, Patricia Jayne
Smith-Caggiano, Matthew D.
Strickland, Zebadiah Lakota
Strobel, Brianna Rocha
Valentine, David Weston
van der Molen, Glen Louis
van Gelder, Brenda Ann
Velazquez, Casey
Vogt, Mika Anna Sutter
Westpfahl, Ryan
Whitlow, Ann Randolph
Wilkinson, Alyssa Sophie
Williamson, Brendan Andrew
Zsembik, Michael R.

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Brickhouse, Skye Orion
Cusimano, Kristian Elizabeth
Gerdes, Joseph Lee
Haggerty, Ellen
Hanna, Karina Leigh
Hunter, Adrian Carl
Partlow, Courtney Peverell
Sanders, Michael D.
Smith, Matthew Jeffrey
Wilson, Ilayda Ecem
HEALTH INFORMATION TECHNOLOGY

December 14, 2023

Bhatia, Rhea

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Correa, Jhonny P.

Haag, Dylan Tanner

Ilic, Zorana

Lekang, Donna

Lemieux, Alexander James

Martinez, Robert Joseph

Thomas, Ashley Nicole

INFORMATION TECHNOLOGY MANAGEMENT

December 14, 2023

Ahmed, Gasser

Davidson, Brian Christopher

Eusse, Miguel A.

Rizwan, Hamnah

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Kaur, Manjot

Lemieux, Alexander James

Sherwani, Hina

HUMAN-COMPUTER INTERACTIONS

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Pilania, Harshal

INTERNET AND NETWORK TECHNOLOGIES

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Guman, Nicholas

INFORMATION SYSTEMS DESIGN

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McCarthy, Steven Taylor
Pollard, Lauren Kelly

LOCAL GOVERNMENT
MANAGEMENT

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Brogan, Jennifer Ashlynn
Chafin, Matthew Farris
Kalda, Luke-Ayman Karam
Morgan, Tracie Lann
O'Brien, Kyle DeLorenzo
Park, Dana Cloud
Short, Shayne R.
Walton, Eugene
Williams, Crystal L.

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Bulova, Josette Marie
Keen, Andrew
Rambo, Chad

NATURAL RESOURCES

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Abbott, Hannah
Agar, Kane Hudson
Bacon, Alexis Kelsey
Bashore, Brooke Victoria
Campbell, Shelby Dian
Choi, Jessica
Dvorak, Robert Warrington
Frazer, Peter William
Guthrie, Lauren
Lattomus, Kirin
Pierce, Robert

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Brenneman, Kimberly Ann
Cox, Hannah Michelle
Gray, Brionna Huenell
Harvey, Connor Erickson
Montanti, Avril Emilia
Wilson, Ilayda Ecem

MECHANICAL ENGINEERING

PROFESSORIATE

December 14, 2023

Shenvi, Mohit Nitin
NONPROFIT AND NONGOVERNMENTAL ORGANIZATION MANAGEMENT

December 14, 2023

Zaarour, Khodr M.

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Wolford, Amy Jessica

PUBLIC AND NONPROFIT FINANCIAL MANAGEMENT

December 14, 2023

Hilt, Patrick Lee

PUBLIC HEALTH

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Akpapunam, Jamila Nneka

August 11, 2023

Carlson, Julie Christine

SCIENCE, TECHNOLOGY, AND ENGINEERING IN POLICY

December 14, 2023

Lopez, Kathryn G.

SECURITY STUDIES

August 11, 2023

Pambo, Marcel

SOFTWARE DEVELOPMENT

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Ahmed, Gasser

Chenault, Michael Kirk

Curtis, Matthew Neal

Fuller, Prescott Trent

Hermann, Caitlin Juliann

Livesay, Joseph Stephen

Rizwan, Hamnah

Smith, Shannon Alexis

Sullivan, Nikolas

Tandberg, Wade

Tuck, Jesse Robert

Baratov, Umid

Benson-Turner, Leslie L.

Despars, Michael Robert

Jarvis, Timothy Steven
Jones, Meredith Ashton
Li, Yingquan
Meldrum, Joseph Ronald
Miller, Jody Elaine
Rezaei, Saam
Schmidheiser, Matthew Joseph
Shaffer, Micah
Yegireddi, Sandhya

URBAN COMPUTING

December 14, 2023

Qi, Meng

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Detwiler, Jaiden Rae
Kianmehr, Ayda

URBAN PLANNING ANALYTICS

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Sayed, Shaheera