FALL 2022

THE GRADUATE SCHOOL
Dean Aimée M. Surprenant
Kebe, Fatima Zahra  
Influences and Educational Practices in the STEM Learning Ecosystem: An Asset-based, Multi-Case Exploration of Non-Formal Youth Education in Senegal  
Committee Chair: Prof. H. H. Scherer

Wege Dias, Nicholas  
Changes in Vaginal Microbiome of Beef Cows Enrolled in Estrous Synchronization Protocols and Its Relation to Fertility  
Committee Chair: Prof. V. R. Mercadante

August 12, 2022

Cloft, Sara Elizabeth  
Outlining a Balance-point Model of Homeostasis in the Small Intestine of Broiler Chickens  
Committee Chair: Prof. E. A. Wong

Gonzalez, Madison Louise  
The Effects of Tributyrin and Butyrate on Equine Skeletal Muscle  
Committee Chair: Prof. S. E. Johnson

Morales Ramirez, Alvaro Gonzalo  
Nutritional and Genetic Characterization of Dairy Cows Managed on Pasture-based Systems, Identifying Key Aspects to Improve Their Performance  
Committee Chair: Prof. M. D. Hanigan and Prof. R. Cockrum

Prestegaard, Jacquelyn Marie  
Improving Nitrogen Efficiency and Profitability of Dairy Cattle in the United States  
Committee Chair: Prof. M. D. Hanigan

Brooks, Keren Ruth  
Nitrogen and Sulfur Management in Soybean and Edamame Production in the Mid-Atlantic Coastal Plain  
Committee Chair: Prof. M. S. Reiter

Fiola, Jaclyn Caroline  
Committee Chair: Prof. G. K. Evanlyo and Prof. R. D. Stewart
Ofori, Bright Kwabena
An Integrated Approach for Nitrogen Management in Upland Cotton Production
Committee Chair: Prof. W. H. Frame

Shea, Zachary
Improving Seed Quality and Application of Soybean Through Modified Trypsin Inhibitors and Test Weight
Committee Chair: Prof. B. Zhang

ECONOMICS

December 15, 2022

Beverly, Joshua Paul
Labor Market Dynamics in West Virginia and the Appalachian Region
Committee Chair: Prof. C. Neill and Prof. S. L. Stewart

August 12, 2022

Beverly, Mariah Danielle
Three Essays on Food Insecurity and Economics
Committee Chair: Prof. F. Ramsey and Prof. C. Neill

Kakpo, Ange T.
Essays on Smallholder Behavior in Resource Challenges in Sub-Saharan Africa
Committee Chair: Prof. B. F. Mills, Jr.

Syrengelas, Konstantinos
Three Essays on Agricultural and Food Trade Shocks and Regional Integration
Committee Chair: Prof. J. H. Grant and Prof. C. Emlinger

Wang, Yangchuan
Essays on Price Analysis of Livestock Market
Committee Chair: Prof. O. Isengildina Massa and Prof. S. L. Stewart

Yang, Jinyang
Essays on International Trade and Household Production
Committee Chair: Prof. G. C. Davis and Prof. J. H. Grant

ENTOMOLOGY

December 15, 2022

Sutton, Kemper Lewis
Developing an Integrated Pest Management Program for Edamame in Virginia
Committee Chair: Prof. S. L. Rideout and Prof. T. P. Kuhar

FOOD SCIENCE AND TECHNOLOGY

December 15, 2022

Yu, Dajun
Chemical Compositions of Edamame Beans and Valorization of Edamame Shells
Committee Chair: Prof. H. Huang

August 12, 2022

Batish, Inayat
Developing Serum-Free Media Via Bioprocessing For Cultivated Seafood Products
Committee Chair: Prof. R. Ovissipour

HUMAN NUTRITION, FOODS AND EXERCISE

August 12, 2022

Reid, Glen Robertson
Ketone Supplementation, Cardiometabolic Health
Committee Chair: Prof. K. P. Davy
Heminger, Ariel Renee
Impact of Spatial Distance and Pollinators on Floral and Fruit Bacterial Communities of Solanum carolinense
  Committee Chair: Prof. D. C. Haak

Kumar, Naveen
Leveraging Genomic Mapping and QTL Analysis to Enhance Drought Tolerance of Cultivated Peanut (Arachis hypogaea L.)
  Committee Chair: Prof. M. Balota

Laliberte, Suzanne Rae
Epigenetic Responses of Arabidopsis to Abiotic Stress
  Committee Chair: Prof. J. H. Westwood and Prof. D. C. Haak

Ahmadi, Golnar
Music Proportion
  Committee Chair: Prof. P. F. Emmons

Han, Soyoung
Spatial Publicness of Contemporary Publicly Open Space: Its Utilitarian Possibilities of Urban Planning
  Committee Chair: Prof. C. L. Bohannon and Prof. M. Kim

Linares Garcia, Daniel Antonio
A Cyber-Physical System (CPS) Approach to Support Worker Productivity Based on Voice-Based Systems
  Committee Chair: Prof. N. Roofigari-Esfahan

Ogunseiju, Omobolanle Ruth
Impact of Interactive Holographic Learning Environment for Bridging Technical Skill Gaps of Future Smart Construction Engineering and Management Students
  Committee Chair: Prof. A. A. Akanmu

Ozturk Sari, Sevda
The Effect of Green Roof Exposure on Workplace Distress, Mental Fatigue and Restoration
  Committee Chair: Prof. P. A. Miller and Prof. C. L. Bohannon

Gabriele, Rachel Victoria
Building Stories: Critical Geography of Architecture and the Study of Everyday Practice in Detroit, Michigan
  Committee Chair: Prof. M. M. Cowell
Johnson, Craig Michael  
The Nuclear Security Regime  
Committee Chair: Prof. J. Peters  

August 12, 2022  

Zaarour, Khodr M.  
Varying Views of Democracy Among Iraqi citizens, 2005-2018  
Committee Chair: Prof. K. M. Hult and Prof. J. Rothschild  

PUBLIC ADMINISTRATION/ PUBLIC AFFAIRS  

December 15, 2022  
Yang, Huishan  
Organizational Collaborative Motivations and Purpose-oriented Networks: Linking Organizational Theories with Network Characteristics  
Committee Chair: Prof. R. H. Lemaire  

August 12, 2022  
Banee, Rabita Reshmeen  
Examining the Association Between Transformational Leadership and Public Organizational Performance  
Committee Chair: Prof. M. M. Dull  

McKeague, Lauren Kelly  
Mission Impossible? Routinizing the Anticipation of Emergent Collaboration in Disaster Management Networks: A Study of Emergence in the COVID-19 Pandemic  
Committee Chair: Prof. R. H. Lemaire  

PAMPLIN COLLEGE OF BUSINESS  

BUSINESS, BUSINESS INFORMATION TECHNOLOGY  

December 15, 2022  
Pamukcu, Duygu  
Supporting the Operational Performance Management of Public Service Systems During Slow-onset Disasters  
Committee Chair: Prof. C. W. Zobel  

August 12, 2022  
Villacis Calderon, Eduardo David  
Online Communities and Health  
Committee Chair: Prof. T. L. James and Prof. P. B. Lowry  

BUSINESS, EXECUTIVE BUSINESS RESEARCH  

December 15, 2022  
Haines, Howard K.  
Conversing Opportunities Into Existence: An Examination of Opportunity Interactions and Opportunity Development in Nascent Entrepreneurship  
Committee Chair: Prof. D. Townsend  

Wang, Jeremy Fei  
Essays on the New Generation of Recommendation Agents (RAs 2.0): An Affordance Perspective  
Committee Chair: Prof. P. B. Lowry  

BUSINESS, FINANCE  

August 12, 2022  
Hosseinian, Amin  
Institutional Segmentation of Equity Markets: Causes and Consequences  
Committee Chair: Prof. R. M. Edelen
Jin, Ju hyeong
Knowledge Problems and Entrepreneurial Strategy
Committee Chair: Prof. D. Townsend

Schaefer, John Anthony
Development and Use of a Spatially Accurate Polynomial Chaos Method for Aerospace Applications
Committee Chair: Prof. S. S. Choi

McLemore, Brian Kenneth
Navigation Using LEO Constellations, Including Doppler Shift/INS Filter and DOP Analysis
Committee Chair: Prof. M. L. Psiaki

Seo, Junhyeon
Machine Learning Applications in Structural Analysis and Design
Committee Chair: Prof. R. K. Kapania

Vazirani, Nomita Nirmal
Coupling Computationally Expensive Radiative Hydrodynamic Simulations with Machine Learning for Graded Inner Shell Design Optimization in Double Shell Capsules
Committee Chair: Prof. W. A. Scales and Prof. S. L. England

August 12, 2022

Fritsch, Daniel James
The Effects of Pressure Gradient and Roughness on Pressure Fluctuations Beneath High Reynolds Number Boundary Layers
Committee Chair: Prof. W. J. Devenport and Prof. C. J. Roy

Zhao, Ben
The Dynamics of Single and Double Cavitation Bubbles and Interaction Between Bubbles and Different Materials
Committee Chair: Prof. O. Coutier-Delgosha
**BIOLOGICAL SYSTEMS ENGINEERING**

**December 15, 2022**

Kaveh Garna, Roja
Improving Watershed Models to Achieve a Better Prediction of Water Quantity and Quality
Committee Chair: Prof. Z. Easton

Sangha, Laljeet Singh
Advancing Water Security and Environmental Sustainability Through Evaluation of Water Use From the Field to State-wide Scale
Committee Chair: Prof. J. E. Shortridge

Sumaiya
River-Floodplain Connectivity and Sediment Transport Potential: Applications to Sediment Dynamics on Floodplains and Juvenile Freshwater Mussel Settling in Rivers
Committee Chair: Prof. J. A. Czuba

**August 12, 2022**

Buell, Elyce N.
Improved Environmental Characterization to Support Natural Resource Decision Making: (1) Distributed Soil Characterization, and (2) Treatment of Legacy Nutrients
Committee Chair: Prof. Z. Easton

Smith, Daniel Jeremy
Do Roots Bind Soil? Comparing the Physical and Biological Role of Plant Roots in Streambank Fluvial Erosion
Committee Chair: Prof. T. M. Thompson

**BIOMEDICAL ENGINEERING**

**December 15, 2022**

Donaldson, Kandace E.
Ex Vivo Deformations of the Uterosacral Ligaments
Committee Chair: Prof. R. De Vita

Edsall, Connor William
Ultrasonic Effervescence: Investigations of the Nucleation and Dynamics of Acoustic Cavitation for Histotripsy-Based Therapies
Committee Chair: Prof. E. Vlaisavljevich

Novotny, Adam James
Improving E-Scooter Safety: Deployment Policy Recommendations, Design Optimization, and Training Development
Committee Chair: Prof. Z. R. Doerzaph

Soldate, Jeffrey Scott
Extracting Feature Vectors From Event-Related fMRI Data to Enable Machine Learning Analysis
Committee Chair: Prof. S. M. LaConte

Tate, Kinsley
The Role of Interstitial Fluid Flow in the Progression of Glioblastoma and Alzheimer's Disease
Committee Chair: Prof. J. M. Munson

White, Michelle Renee
Evaluating Microglia Dynamics in Blast and Impact-Induced Neurotrauma and Assessing the Therapeutic Role of Hemostatic Nanoparticles on Microglia Activation
Committee Chair: Prof. P. VandeVord

**August 12, 2022**

Meng, Yunzhu
Investigation of W-Beam Energy-absorbing Guardrail End Terminal Safety Performance Using Finite Element Modeling
Committee Chair: Prof. C. D. Untaroiu
CHEMICAL ENGINEERING
December 15, 2022
Hatlen, Rosalyn Rae
Investigating Trans-differentiation of Glioblastoma Cells in an In Vitro 3D Model of the Perivascular Niche
Committee Chair: Prof. P. Rajagopalan

Pillai, Hemanth Somarajan
Accelerating Catalytic Materials Discovery for Sustainable Nitrogen Transformations by Interpretable Machine Learning
Committee Chair: Prof. H. Xin

Wang, Xiaoqian
Synthesis of Functionalized Sustainable Polyesters Via Controlled Ring-opening Polymerization of O-carboxyanhydrides
Committee Chair: Prof. R. Tong

August 12, 2022
Das, Arit
Material Extrusion Based Additive Manufacturing of Semicrystalline Polymers: Correlating Rheology with Print Properties
Committee Chair: Prof. M. J. Bortner

Omidvar, Noushin
Toward Designing Active ORR Catalysts via Interpretable and Explainable Machine Learning
Committee Chair: Prof. H. Xin

Zhang, Zechen
Transport and Adsorption in Nanoscale Confinement
Committee Chair: Prof. W. A. Ducker

CIVIL ENGINEERING
December 15, 2022
Zhu, Bohan
Low-Input Multi-Omic Studies of Brain Neuroscience Involved in Mental Diseases
Committee Chair: Prof. C. Lu

Abi Aad, Mirla
Infrastructure Condition Assessment and Prediction Under Variable Traffic Demand and Management Scenarios
Committee Chair: Prof. M. M. Abbas

Baugher, Brooke Erin
Causes and Consequences of Integrating International Projects in Higher Education Engineering Programs
Committee Chair: Prof. E. W. Shealy III

Fanijo, Ebenezer Oladayo
In situ Nanoscale Quantification of Corrosion Kinetics by Quantitative Phase Microscopy
Committee Chair: Prof. A. S. Brand

Hurley, James Franklin
New Methods for Measuring Spatial, Temporal and Chemical Distributions of Volatile Organic Compounds
Committee Chair: Prof. G. Isaacman-VanWertz

Kang, Seju
Nanobiotechnology Enabled Envrionmental Sensing of Water and Wastewater
Committee Chair: Prof. P. J. Vikesland

Markovic Graff, Aleksandra
A Framework for Construction-Driven Designs
Committee Chair: Prof. J. M. de la Garza and Prof. M. J. Garvin
Najmeddine, Aimane
Physics and Chemistry Based Constitutive Framework for Thermo-chemo-mechanical Responses of Polymeric Materials
Committee Chair: Prof. M. Shakiba

SoleimaniBabakamali, MohammadHesam
Toward a General Novelty Detection Framework in Structural Health Monitoring; Challenges and Opportunities in Deep Learning
Committee Chair: Prof. R. Sarlo

Wait, Kory David
Beyond Water Regulation: Contamination of Private Wells, Citizen Science, and Corrosion of Household Plumbing
Committee Chair: Prof. M. A. Edwards and Prof. K. J. Pieper

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

Yost, Kaleigh McLaughlin
Improving CPT-Based Earthquake Liquefaction Hazard Assessment at Challenging Soil Sites
Committee Chair: Prof. R. A. Green

Yu-Shan, Abril Victoria
Effects of Surface Condition and Environmental Exposure on the Bond Between CFRP and Steel
Committee Chair: Prof. M. R. Eatherton and Prof. M. H. Hebdon

August 12, 2022

Alfailakawi, Ali
Experimental Investigations of Residual Strength and Repaired Strength of Corrosion Damaged Prestressed Bridge Beams
Committee Chair: Prof. C. L. Roberts-Wollmann and Prof. M. H. Hebdon

Harb, Charbel
Spray Aerosols From Saltwater to Freshwater Breaking Waves
Committee Chair: Prof. H. Foroutan

Jaber, Reem Atef
Investigation of the Relationships Between Geotechnical Sediment Properties and Sediment Dynamics Using Geotechnical and Geophysical Field Measurements
Committee Chair: Prof. N. Stark

Liu, Fangyu
Condition Assessment of Civil Infrastructure and Materials Using Deep Learning
Committee Chair: Prof. L. Wang

Liu, Jian
Balanced Asphalt Mix Design and Pavement Distress Predictive Models Based on Machine Learning
Committee Chair: Prof. L. Wang

Moghadam, Amin
Integration of Traffic and Structural Health Monitoring Systems Using A Novel Nothing-On-Road (NOR) Bridge-Weigh-In-Motion (BWIM) System
Committee Chair: Prof. R. Sarlo and Prof. M. AlHamaydeh

Nguyen, Trai Ngoc
Computational and Experimental Investigation of Seismic Structural Fuse Shapes for Structural Systems
Committee Chair: Prof. M. R. Eatherton

Scavone LaSalle, Martin
Use of the Traffic Speed Deflectometer for Concrete and Composite Pavement Structural Health Assessment. A Big-Data-Based Approach Towards Concrete and Composite Pavement Management and Rehabilitation
Committee Chair: Prof. G. W. Flintsch
Wilches Estan, Jose De Jesus  
Numerical Modeling of Composite Systems:  
Composite CFT Connections and Composite Beam  
Committee Chair: Prof. R. T. Leon

Liu, Jun  
Submodular Optimization in Multi-Robot Teams: Robustness, Resilience, and Decentralization  
Committee Chair: Prof. R. K. Williams

Tolley, Joseph Daniel  
Trust, Security and Optimization of Wireless Cognitive Radio Networks and Spectrum Access Systems  
Committee Chair: Prof. C. B. Dietrich, Jr. and Prof. C. D. Patterson

Zhang, Lijun  
Location Finding in Natural Environments with Biomimetic Sonar and Deep Learning  
Committee Chair: Prof. R. Mueller

COMPUTER ENGINEERING  
December 15, 2022

Bockenek, Joshua Alexander  
Static Binary Analysis for Memory Properties and Exceptional Control Flow  
Committee Chair: Prof. B. Ravindran

Cesar-Tondreau, Brian  
Towards Improving and Extending Traditional Robot Autonomy with Human Guided Machine Learning  
Committee Chair: Prof. K. B. Kochersberger

Dong, Yibin  
Blockchain-enabled Secure and Trusted Longitudinal Personalized Health Record (BEST-LPHR)  
Committee Chair: Prof. Y. J. Wang

Jelesnianski, Christopher S.  
Practical Exploit Mitigation Design Against Code Re-Use and System Call Abuse Attacks  
Committee Chair: Prof. C. Min

Krishnamurthy, Rahul  
Framework for Automatic Translation of Hardware Specifications Written in English to a Formal Language  
Committee Chair: Prof. M. S. Hsiao

Li, Chengzhang  
Optimizing Information Freshness in Wireless Networks  
Committee Chair: Prof. Y. T. Hou

COMPUTER SCIENCE AND APPLICATIONS  
December 15, 2022

Afrose, Sharmin  
Methodology Development for Improvement of Critical Classification Applications  
Committee Chair: Prof. D. Yao

Li, Fengjiao  
Online Learning for Resource Allocation in Wireless Networks: Fairness, Communication Efficiency, and Data Privacy  
Committee Chair: Prof. B. Ji
Lisle, Lorance Richard
Immersive Space to Think: Immersive Analytics for Sensemaking with Multimedia Documents
Committee Chair: Prof. D. A. Bowman

Pu, Jiameng
Defending Against Misuse of Synthetic Media: Characterizing Real-world Challenges and Building Robust Defenses
Committee Chair: Prof. B. Viswanath

Venkatagiri, Sukrit
Supporting and Transforming High-Stakes Investigations with Expert-Led Crowdsourcing
Committee Chair: Prof. K. Luther

Wang, Xinyue
Large Web Archive Collection Infrastructure and Services
Committee Chair: Prof. E. A. Fox and Prof. Z. Xie

August 12, 2022

Aldaihani, Reem A A H S.
Identifying the Structure of Genomic Islands in Prokaryotes
Committee Chair: Prof. L. S. Heath

Bhatti, Neelma
Technology and International Student Parenting: Implications for Research and Design of Digital Childcare Technologies
Committee Chair: Prof. D. S. McCrickard and Prof. A. Kelliher

Han, Jingoo
Towards a Resource Efficient Framework for Distributed Deep Learning Applications
Committee Chair: Prof. A. Butt

Muralidhar, Nikhil
Committee Chair: Prof. N. Ramakrishnan

Popov, Andrey Anatoliyevich
Combining Data-driven and Theory-guided Models in Ensemble Data Assimilation
Committee Chair: Prof. A. Sandu

Xiao, Ya
Neural Network-based Methodologies for Securing Cryptographic Code
Committee Chair: Prof. D. Yao

ELECTRICAL ENGINEERING

December 15, 2022

Alrashidi, Massoud Owihan W.
A Building Energy Management System for Energy Efficiency and Demand Response for Application in Mosque Buildings
Committee Chair: Prof. S. Rahman

Cheng, Zuolin
Conditional Multifactorial Contingency (CMC) Model and Its Applications
Committee Chair: Prof. G. Yu

Clark, William Henry
The Importance of Data in RF Machine Learning
Committee Chair: Prof. R. M. Buehrer and Prof. A. J. Michaels

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

Das, Saswati
Understanding Middle Atmospheric Composition Variability from the Solar Occultation for Ice Experiment Instrument and Other Datasets
Committee Chair: Prof. S. M. Bailey

Dong, Yun
Physics Guided Machine Learning Algorithm for MAX-DOAS Retrieval
Committee Chair: Prof. E. S. Lind
Ghassemi, Parham  
Label-Free Microfluidic Devices for Single-Cell Analysis and Liquid Biopsies  
Committee Chair: Prof. M. Agah

Gupta, Sarthak  
Machine Learning and Quantum Computing for Power Systems  
Committee Chair: Prof. V. Kekatos

Heintzman, Larkin Lee  
Scalable Multi-Agent Systems in Restricted Environments  
Committee Chair: Prof. R. K. Williams

Li, Shaoran  
Coping Uncertainty in Wireless Network Optimization  
Committee Chair: Prof. Y. T. Hou

Lin, Xiang  
Device Voltage Balancing from Device-level to Converter-level in High Power Density Medium Voltage Converter Using 10 kV SiC MOSFETs  
Committee Chair: Prof. D. Dong

Rong, Yu  
Synchronized Communication Network for Real-Time Distributed Control Systems in Modular Power Converters  
Committee Chair: Prof. D. Boroyevich

Samaddar, Srimoyee  
Effects of Solar Soft X-rays on Earth’s Atmosphere  
Committee Chair: Prof. S. M. Bailey

Son, Gibong  
Control, Analysis, and Design of SiC-Based High-Frequency Soft-Switching Three-Phase Inverter/Rectifier  
Committee Chair: Prof. Q. Li

Sung, Victor W.  
Electromagnetic Railgun Launchers: Practical and Theoretical Perspectives  
Committee Chair: Prof. W. G. Odendaal

Tu, Cong  
Theoretical Analysis and Design for the Series-Resonator Buck Converter  
Committee Chair: Prof. K. D. Ngo

Zhu, Ruoxi  
Intrusion Detection and Recovery of a Cyber-Power System  
Committee Chair: Prof. C. Liu

August 12, 2022

Appiah-Kubi, Jennifer  
A Multi-Agent Defense Methodology with Machine Learning Against Cyberattacks on Distribution Systems  
Committee Chair: Prof. C. Liu

Conroy, James Patrick  
Contemporary Ionospheric Scintillation Studies: Statistics, 2D Analytical and 3D Numerical Inversion  
Committee Chair: Prof. W. A. Scales and Prof. A. I. Zaghloul

Jalali, Mana  
Gaussian Processes for Power System Monitoring, Optimization, and Planning  
Committee Chair: Prof. V. Kekatos

Jing, Zejia  
Blockchain-based Peer-to-peer Electricity Trading Framework Through Machine Learning-based Anomaly Detection Technique  
Committee Chair: Prof. S. Rahman

Stockland, Robert Thomas  
A Study of Electromagnetic Scattering of Communication Signals by Randomly Rough Surfaces  
Committee Chair: Prof. G. S. Brown
Xu, Yue
Deep Recurrent Q Networks for Dynamic Spectrum Access in Dynamic Heterogeneous Environments with Partial Observations
Committee Chair: Prof. R. M. Buehrer

Yu, Jianyuan
Wireless Sensing and Fusion using Deep Neural Networks
Committee Chair: Prof. R. M. Buehrer

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**ENGINEERING EDUCATION**

**December 15, 2022**

Blackowski, Sarah Anne
Faculty as Learners: Exploring EarlyCareer Engineering Faculty Narratives about Teaching Professional Development Through the Lens of Self Regulated Learning
Committee Chair: Prof. H. Matusovich

Garcia-Sheridan, Joshua Alexei
Teacher Pedagogical Choice: Analyzing Engineering Professional Development Programs and COVID in Middle School Science Classrooms
Committee Chair: Prof. J. R. Grohs

Holloman, Teirra Keina
Race-conscious Student Support: A Comparative Analysis of Organizational Resilience in Engineering Education
Committee Chair: Prof. W. C. Lee, Jr.

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**August 12, 2022**

Chew, Kai Jun
Exploring Instructors’ Classroom Test Beliefs and Behaviors in Fundamental Engineering Courses: A Qualitative Multi-Case Study
Committee Chair: Prof. H. Matusovich

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Paradise, Tawni Michon
Supporting Parent Engagement at Home: Parent Perceptions of Important Knowledge in Educating their Children in Engineering Activities of Varying Structure
Committee Chair: Prof. J. R. Grohs

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**ENGINEERING MECHANICS**

**December 15, 2022**

Bukhari, Mustafa Mohammedamin T.
Large-Eddy Simulations of Hydrocyclones
Committee Chair: Prof. S. A. Ragab

Weiss, Talia M.
Locomotion of Skittering Frogs at the Air-water Interface
Committee Chair: Prof. J. Socha

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**August 12, 2022**

Murphy, Kevin Robert
Leveraging Capillarity
Committee Chair: Prof. J. B. Boreyko

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**ENVIRONMENTAL DESIGN AND PLANNING**

**December 15, 2022**

Alhamdan, Ziyad Saleh
Temporary Urban Regeneration: A Systematic Approach for a Multi-system Life Cycle Assessment
Committee Chair: Prof. G. Reichard

Ensafi, Mahnaz
Work Order Prioritization Using Neural Networks to Improve Building Operation
Committee Chair: Prof. W. Y. Thabet

Gould, Zachary
A Mycorrhizal Model for Transactive Energy Markets
Committee Chair: Prof. G. Reichard
Olayiwola, Johnson Tumininu  
Leveraging Artificial Intelligence for Improving Students' Noticing of Practice During Virtual Site Visits  
Committee Chair: Prof. A. A. Akanmu

**INDUSTRIAL AND SYSTEMS ENGINEERING**  
**December 15, 2022**

Alhaider, Abdulrahman Abdulqader  
Distributed Situation Awareness Framework to Assess and Design Complex Systems  
Committee Chair: Prof. N. K. Lau

Marshall, Julius Allen  
Guidance and Control of Autonomous Unmanned Aerial Vehicles for Maritime Operations  
Committee Chair: Prof. A. L'Afflitto

Wach, Paul F.  
Study of Equivalence in Systems Engineering within the Context of Verification and Systems Theory  
Committee Chair: Prof. A. Salado Diez and Prof. P. A. Beling  
**August 12, 2022**

Henderson, Kaitlin Anne  
Exploring the Adoption Process of MBSE: A Closer Look at Contributing Organizational Structure Factors  
Committee Chair: Prof. A. Salado Diez

Law, Andrew Chung Chee  
Smart Quality Assurance System for Additive Manufacturing using Data-Driven based Parameter-Signature-Quality Framework  
Committee Chair: Prof. Z. Kong

Shen, Bo  
Advanced Data Analytics for Quality Assurance of Smart Additive Manufacturing  
Committee Chair: Prof. Z. Kong

**MATERIALS SCIENCE AND ENGINEERING**  
**December 15, 2022**

Hartley, William Douglas  
Processing Mechanics of Additive Friction Stir Deposition  
Committee Chair: Prof. D. A. Dillard and Prof. H. Yu

McDonald, Jared Denmark  
Prediction of Microstructural and Conformational Evolutions through Application of Steepest-Entropy-Ascent Quantum Thermodynamics  
Committee Chair: Prof. W. T. Reynolds, Jr. and Prof. M. R. von Spakovsky

Umanzor, Manuel Enrique  
Cast Metal-Ceramic Composite Lattice Structures for Lightweight, Energy Absorbing, and Penetration Resistant Applications  
Committee Chair: Prof. A. P. Druschitz

Xiao, Ziqi  
Multiscale Modeling of Effects of Solute Segregation and Oxidation on Grain Boundary Strength in Metallic Alloys  
Committee Chair: Prof. X. Bai

Yoder, Jake King  
Origins of Embrittlement of an Al-Zn-Mg-Cu Alloy Post Additive Friction Stir Deposition  
Committee Chair: Prof. H. Yu  
**August 12, 2022**

Wang, Kaiwen  
Multiphysics Modelling on the Effects of Composition and Microstructure during Tribocorrosion of Aluminum-based Metals and Structures  
Committee Chair: Prof. W. Cai
MECHANICAL ENGINEERING

December 15, 2022

Ali, Gibran
Characterizing Human Driving Behavior Through an Analysis of Naturalistic Driving Data
   Committee Chair: Prof. M. Ahmadian

Aradhey, Yogesh Sachin
Dynamics of Lean Direct Injection Systems
   Committee Chair: Prof. J. Meadows

Charleston, Jonathan
Design, Fabrication, and Characterization of Metals Reinforced with Two-Dimensional (2D) Materials
   Committee Chair: Prof. M. D. Bartlett

Deng, Zhifei
3D Biomineral Composites: Design Principles at Building-block and Composite Levels
   Committee Chair: Prof. L. Li

Edalatpour, Mojtaba
Three-Phrase and Unidirectional Heat Transfer
   Committee Chair: Prof. J. B. Boreyko

Powell, Nathan Russell
Modeling and Estimation of Animal Motion Over Manifolds with Motion Capture Data
   Committee Chair: Prof. A. J. Kurdila

Rahman, Kazi Moshiur
Binder-Powder Interaction: Investigating the Process-Property Relations in Metal Binder Jetting
   Committee Chair: Prof. C. B. Williams

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

Titus Glover, Kyle Ian Kwartei
The Optimization of Reverse Osmosis Cleaning Patterns
   Committee Chair: Prof. J. J. Lesko

Wang, Jiamin
Design and Control of an Ergonomic Wearable Full-Wrist Exoskeleton for Pathological Tremor Alleviation
   Committee Chair: Prof. O. Barry

Zhang, Zichen
Dynamic Modeling and Lateral Stability Analysis of Long Combination Vehicles
   Committee Chair: Prof. M. Ahmadian

Zheng, Xiaohan
High-speed Roll Stability Evaluation of A-double Tractor-Trailers
   Committee Chair: Prof. M. Ahmadian

August 12, 2022

Alobaid, Faisal
Modal Analysis of a Discrete Tire Model and Tire Dynamic Response Rolling Over Short Wavelength Road Profiles
   Committee Chair: Prof. S. Taheri

Bhavsar, Sujal Pradipkumar
Machine Learning based Methods to Improve Power System Operation under High Renewable Penetration
   Committee Chair: Prof. R. Pitchumani

Hatte, Sandeep Shankarrao
Analysis of Interfacial Processes on Non-Wetting Surfaces
   Committee Chair: Prof. R. Pitchumani

Kim, Jeeseop
Collaborative Locomotion of Quadrupedal Robots: From Centralized Predictive Control to Distributed Control
   Committee Chair: Prof. K. Akbari Hamed
La Foy, Roderick Robert  
Three-Dimensional Fluid Flow Measurement Techniques with Applications to Biological Flows  
Committee Chair: Prof. J. Socha

Leong, Amanda  
Material Corrosion by Nuclear Reactor Coolants  
Committee Chair: Prof. J. Zhang

Lowery, Adam Wallace  
Enhanced Portability and Anti-Frosting Functionality of Cryostats for Synchrotron-Based X-ray Imaging  
Committee Chair: Prof. J. B. Boreyko

Moser, Joshua Nickolas  
Task Modeling, Sequencing, and Allocation for In-Space Autonomous Assembly by Robotic Systems  
Committee Chair: Prof. E. Komendera

Neighborgall, Campbell Reed  
Low-Speed Maneuverability, High-Speed Roll-Stability, and Brake Type Performance of Heavy Truck 33-ft Double Trailers  
Committee Chair: Prof. M. Ahmadian

MINING ENGINEERING  
December 15, 2022

Ji, Bin  
Correlations Between the Mineralogy and Recovery Behavior of Rare Earth Elements (REEs) in Coal Waste  
Committee Chair: Prof. W. Zhang

Liu, Wei  
Rare Earth Extraction from Clayey Waste Materials by Alkali Pretreatment  
Committee Chair: Prof. R. H. Yoon

Metivier-Larochelle, Tommee  
Recovery of Rare Earth Elements and Critical Materials from Acid Mine Drainage  
Committee Chair: Prof. C. A. Noble

August 12, 2022

Wang, Hongsheng  
Applicatino of Machine Learning and Deep Learning Methods in Geological Carbon Sequestration Across Multiple Spatial Scales  
Committee Chair: Prof. N. S. Ripepi and Prof. C. Chen

NuCLEAR ENGINEERING  
August 12, 2022

Yang, Qiufeng  
Molten Salt Corrosion: From Kinetic Properties, Static Corrosion to Galvanic Corrosion Study  
Committee Chair: Prof. J. Zhang

Zhuo, Weiqian  
The Development of Metallic Fuel-Additives Effects for Sodium-cooled Fast Reactor  
Committee Chair: Prof. J. Zhang

ColLEGE OF LIBERAL ARTS & HUMAN SCIENCES  

COUNSELOR EDUCATION  
December 15, 2022

Zongrone, Courtney  
From Compliance to Alliance: Strengthening the Working Alliance in Mandated Treatment  
Committee Chair: Prof. L. E. Welfare

August 12, 2022

Kirsch, Jennifer Lynn  
Quis Custodiet Ipsos Custodes: A Quantitative Investigation of Pandemic Era Counselor Wellness, Professional Quality of Life and COVID Stress in the United States  
Committee Chair: Prof. G. F. Lawson
Shaver, Anaid Danyelle
#SOS: A Phenomenological Study of School Counseling Supervisors’ Clinical Supervision Experiences
   Committee Chair: Prof. G. F. Lawson

CURRICULUM AND INSTRUCTION
   December 15, 2022
Almutairy, Ghadah Fayez
The Instructional Design of Worked Examples to Promote Computational Thinking Skills in Well-structured Programming Problems: An Integrative Review
   Committee Chair: Prof. K. R. Potter

Clark, Rebecca Michelle
Engineering Uncertainty: A Framework for Argumentation in Socio-scientific Policy Analysis Problem Solving
   Committee Chair: Prof. B. B. Lockee

Xu, Cong Ze
A Mixed Methods Study of Chinese Students' Construction of Fraction Schemes: Extending the Written Test with Follow-Up Clinical Interviews
   Committee Chair: Prof. J. L. Wilkins

August 12, 2022
Fielder, Emily Wade
Investigating the Complexity of Community in a Challenged Urban Elementary School
   Committee Chair: Prof. P. E. Doolittle

EDUCATIONAL LEADERSHIP AND POLICY STUDIES
   December 15, 2022
Alenezi, Abdulaziz Sh
The Effect of School Organizational Characteristics on Student Achievement: A Multilevel Study of the Gulf Cooperation Council Countries
   Committee Chair: Prof. M. D. Alexander and Prof. Y. Miyazaki

EDUCATIONAL RESEARCH AND EVALUATION
   December 15, 2022
Lee, Youjin
A Cross-national Study of Mathematics Achievement Via Three-level Multilevel Models
   Committee Chair: Prof. Y. Miyazaki

Li, Mengyun
Going Beyond the Outcome Assessment Minimum: Toward a Framework to Assess Students' Integrative Learning in a University General Education Program
   Committee Chair: Prof. D. J. Kniola

HIGHER EDUCATION
   December 15, 2022
Johnson, Nicole J.
I Am Gonna Let You Make It: Personal Identity of Black Women Doctoral Students
   Committee Chair: Prof. C. K. Robbins

Pete, Kendall
A Black Sense of Place: Deep Mapping the Career Journeys of Black Mid-level Student Affairs Administrators
   Committee Chair: Prof. T. B. Lane
HUMAN DEVELOPMENT

December 15, 2022

Johnson, Shawnice
The Impact of Race-Related Social Experiences on Black Fathers' Ethnic-Racial Socialization of their Children
Committee Chair: Prof. E. L. Grafsky

PLANNING, GOVERNANCE, AND GLOBALIZATION

December 15, 2022

Meade, Julian Ray
U.S. Arctic National Interests and Arctic Engagement
Committee Chair: Prof. J. Peters

SCIENCE AND TECHNOLOGY STUDIES

August 12, 2022

Lo, Kuan-Hung
Laboratization of Everyday Life: Adaptations Among Robots, Laboratory and Society
Committee Chair: Prof. S. E. Halfon

Shih, Po-Jen
Engineering as Technology of Technology and the Subjugated Practice
Committee Chair: Prof. G. L. Downey

Williams, Damien Patrick
Belief, Values, Bias, and Agency: Development of and Entanglement with Artificial Intelligence
Committee Chair: Prof. A. S. Heflin

SOCIAL, POLITICAL, ETHICAL, AND CULTURAL THOUGHT

December 15, 2022

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

SOCIOLOGY

December 15, 2022

Gerus, Stephen Paul
Landowner Response to a Rural Appalachian Natural Gas Pipeline Project
Committee Chair: Prof. S. E. Bell

August 12, 2022

Kim, Joong Won
The Vernacular of Whiteness: The Racial Position of Asian and Asian Americans in Upholding the U.S. as a White Supremacist Empire
Committee Chair: Prof. D. L. Brunsma

Strozier, Jariah Li'Shey
A Black Feminist's Critique of the Crooked Room of Medicine (CRoM): Innovation of Thick Studies and the Gender, Race, Weight (GRW) Matrix
Committee Chair: Prof. A. N. Baldwin
COLLEGE OF NATURAL RESOURCES & ENVIRONMENT

FISHERIES AND WILDLIFE
December 15, 2022
Clevinger, Garrett Balee
Population Dynamics and Spatial Ecology of White-tailed Deer in the Central Appalachian Mountains of Virginia
Committee Chair: Prof. M. J. Cherry

Gorman, Katherine Marie
The Ecology of Northern Long-eared Bats (Myotis septentrionalis) at the William Floyd Estate, Fire Island National Seashore
Committee Chair: Prof. W. M. Ford

Satter, Christopher Blake
Spatial Ecology and Movement Behavior of Wild Pigs in Southwest, Florida
Committee Chair: Prof. M. J. Kelly

August 12, 2022
Fallon, Jesse Andrew
Diagnostic Techniques for Detecting Exposure and Anemia in Birds Exposed to Crude Oil
Committee Chair: Prof. W. A. Hopkins

FORESTRY AND FOREST PRODUCTS
December 15, 2022
Lee, Soohyung
Exploration of Plastic Pallets Using Various Fillers on Graphite Nanoplatelets/polypropylene Composites
Committee Chair: Prof. Y. T. Kim

Rady, Joshua Michael
Exploring the Interaction of Forest Management and Climate in the Community Land Model
Committee Chair: Prof. R. Q. Thomas

Zhou, Yang
Synthesis of Polysaccharide-based Biomaterials for Drug Delivery
Committee Chair: Prof. K. J. Edgar

GEOSPATIAL AND ENVIRONMENTAL ANALYSIS
December 15, 2022
Meadema, Peter Fletcher
Geospatial Analyses to Support Management of Recreational Trails on Public Lands
Committee Chair: Prof. J. L. Marion and Prof. J. F. Wimpey

COLLEGE OF SCIENCE

BIOLOGICAL SCIENCES
December 15, 2022
Cathey, Sara Elizabeth
Disentangling the Influence of Dispersal on Community Assembly and Stability
Committee Chair: Prof. B. L. Brown
Martinez Gutierrez, Carolina Alejandra
Evolutionary Genomics of Dominant Bacterial and Archaeal Lineages in the Ocean
Committee Chair: Prof. F. Aylward

Maynard, Lauren Danielle
Biotic and Abiotic Mechanisms Shaping Multi-species Interactions
Committee Chair: Prof. S. Whitehead

Weinheimer, Alaina Rose
Unraveling the Eco-Evolutionary Complexity of Uncultivated Bacteriophages in the Biosphere
Committee Chair: Prof. F. Aylward

August 12, 2022

Lane, Samuel Joseph
That Effects of Urbanization on the Physiology, Behavior, and Fitness of a Wild Songbird
Committee Chair: Prof. K. Sewall

CheMISTRY

December 15, 2022

Grimsley, Harper Rex
Novel Quantum Chemistry Algorithms Based on the Variational Quantum Eigensolver
Committee Chair: Prof. N. Mayhall

Hu, Anyang
Probing and Molecular Investigation of Electrode-electrolyte Interfaces Using Dynamic Metal Dissolution and Redeposition Chemistry
Committee Chair: Prof. F. Lin

Jopaul Mathew
Hit to Lead Stage Optimization of Orally Efficacious Carboline Antimalarials
Committee Chair: Prof. P. R. Carlier

Jos, Swetha
Development of Novel Methods for the Installation of CF3/Boron and 1,2,4-oxadiazoles
Committee Chair: Prof. W. Santos

Li, Haibo
Further Exploring the Structure Activity Relationship (SAR) of MMV008138 and MMV1803522
Committee Chair: Prof. P. R. Carlier

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

Teke, Nakul Kushabhau
Efficient Automated Implementation of Higher-order Many-body Methods in Quantum Chemistry
Committee Chair: Prof. E. F. Valeyev

Xu, Zhen
Modification and Upcycling of Polyetherimide, Polystyrene, Polyethylene, and Polypropylene
Committee Chair: Prof. G. Liu

Yang, Zhijie
Design and Synthesis of Ni-rich and Low/no-Co Layered Oxide Cathodes for Li-ion Batteries
Committee Chair: Prof. F. Lin

August 12, 2022

Arcoria, Paul Joseph
Isomerization-Locked Alkene Analogues of Xaa-Pro Dipeptides in the Proteins Collagen and Bora
Committee Chair: Prof. F. A. Etzkorn

Jones, Nathan Ballard
Surface Interactions of Diborane
Committee Chair: Prof. J. R. Morris
ECONOMICS, SCIENCE
December 15, 2022

Dorazio, Brian Arthur
Macroeconomic Forecasting: Principal Components and the Student's t VAR Model
Committee Chair: Prof. A. Spanos

August 12, 2022

Dwibedi, Esha
The Interactive Effect of Policies and Preferences on Decision Making
Committee Chair: Prof. S. B. Ball

Nandy, Abhinaba
Essays in Industrial Organization and Political Economy
Committee Chair: Prof. S. Sarangi and Prof. G. Tserenjigmid

Wang, Haoyu
Essays in Game Theory and Forest Economics
Committee Chair: Prof. G. S. Amacher and Prof. E. A. Bahel

Zou, Yanyang
Essays on Contest Theory Experiments and Revealed Time Preference Models
Committee Chair: Prof. S. B. Ball and Prof. A. C. Smith

GEOSCIENCES
December 15, 2022

Carlson, Grace Anne
Remote Sensing of 21st Century Water Stress and Associated Hazards in California
Committee Chair: Prof. M. Shirzaei

Namayandeh, Alireza
Formation and Transformation Kinetics of Iron Oxy-hydroxides and Effects of Adsorbed Oxyanions
Committee Chair: Prof. F. M. Michel

Nolan, Morrison Robert
Geochemical and Paleontological Investigations from the Neoproterozoic-Cambrian Transition: Case Studies on Geochemical Clast Provenance, Emerging Paleo Redox Proxies, and Ambiguous Pseudo Fossils
Committee Chair: Prof. S. Xiao

August 12, 2022

Abbasi Baghbadorani, Amin
Radar Imaging Applications for Mining and Landmine Detection
Committee Chair: Prof. J. A. Hole

MATHEMATICS
December 15, 2022

Kerrigan, Sarah Therese
Modeling Middle Grade Students' Algebraic and Covariational Reasoning using Unit Transformations and Working Memory
Committee Chair: Prof. A. H. Norton III

Kokushkin, Vladislav
The Role of Students' Gestures in Offloading Cognitive Demands on Working Memory in Proving Activities
Committee Chair: Prof. A. H. Norton III

PHYSICS
December 15, 2022

Barron, Samantha Violet
Using Device Physics and Error Mitigation to Improve the Performance of Quantum Computers
Committee Chair: Prof. S. E. Economou

Li, Bikun
Controlling Quantum Systems for Computation and Communication
Committee Chair: Prof. E. F. Barnes
McMahon, Sean Gregory
Modeling Mechanical Dynamics in Chain-mediated Bacterial Sliding
Committee Chair: Prof. U. C. Tauber and Prof. J. Chen

Rahmaninejad, Hadi
Theoretical Modeling of Polymeric and Biological Nanostructured Materials
Committee Chair: Prof. R. Ashkar

PSYCHOLOGY
December 15, 2022

Antezana, Ligia Danitsa
Cognitive and Affective Pathways to Nonsuicidal Self-Injury Among Youth in the Adolescent Brain Cognitive Development (ABCD) Study
Committee Chair: Prof. J. A. Richey

Minnen, Molly Eleanor
Shifting the Focus: Antecedents and Consequences of Work-related Rumination Among Traditionally Scheduled and Shift Workers
Committee Chair: Prof. C. Calderwood

Zagarese, Vivian Joy
Shared Leadership in Surgical Teams
Committee Chair: Prof. R. J. Foti and Prof. S. Parker

August 12, 2022

Dahiya-Singh, Angela Verma
Providing Telehealth Support for Parents of Autistic Children Using a Mobile App
Committee Chair: Prof. A. Scarpa-Friedman

Gatto, Alyssa Jo
Development and Preliminary Testing of an Online Brief Emotion Regulation Training (BERT) Program for Emerging Adults
Committee Chair: Prof. L. D. Cooper and Prof. J. C. Dunsmore

McFayden, Tyler Christine
The Impact of Birth Order on Language Development in Children with Autism Spectrum Disorder in Simplex Families
Committee Chair: Prof. T. H. Ollendick

Tankersley, Amelia Prieur
The Relationship between State-Level Policy and Mental Health among Sexual Minority Youth in the United States
Committee Chair: Prof. R. T. Jones

STATISTICS
August 12, 2022

Do, Quyen Ngoc
Functional Data Models for Raman Spectral Data and Degradation Analysis
Committee Chair: Prof. P. Du

Merkes, Sierra Nicole
Robust Bayesian Anomaly Detection Methods for Large Scale Sensor Systems
Committee Chair: Prof. S. C. Leman

Wang, Yueyao
Advancements on the Interface of Computer Experiments and Survival Analysis
Committee Chair: Prof. Y. Hong and Prof. X. Deng

Wei, Yanran
Contributions to Data Reduction and Statistical Model of Data with Complex Structures
Committee Chair: Prof. X. Deng
THE VIRGINIA-MARYLAND 
COLLEGE OF 
VETERINARY MEDICINE 

BIOMEDICAL & VETERINARY 
SCIENCES 

December 15, 2022

Harrell, Telvin
Ubiquitin Targets and Molecular 
Mechanisms of Herpes Simplex Virus 1 in 
Adult Sensory Neurons
Committee Chair: Prof. A. S. Bertke

Kani Kani, Yukitaka Steve
Maximizing Local Access to Therapeutic 
Deliveries in Glioblastoma: Evaluating the 
Utility and Mechanisms of Potential 
Adverse Events for Minimally Invasive 
Diagnostic Two Novel Therapeutic 
Techniques for Brain Tumors
Committee Chair: Prof. J. H. Rossmeisl, Jr.

Kuchinsky, Sarah Catherine
Determining the Pathogenesis and Enzootic 
Transmission of Usutu Virus
Committee Chair: Prof. N. Duggal

Nagai-Singer, Margaret Ann
Protective or Problematic? Investigating the 
Role of the Innate Immune Receptor 
NLRX1 as a Tumor Suppressor or Promoter 
in Breast and Pancreatic Cancer
Committee Chair: Prof. I. C. Allen

Pal, Rusha
Investigating Novel Treatment Approaches 
to Combat Clostridioides Difficile
Committee Chair: Prof. M. N. Seleem

Partridge, Britannie R.
Overcoming Therapeutic Resistance in 
Glioblastoma Using Novel Electroporation-
based Therapies
Committee Chair: Prof. J. H. Rossmeisl, Jr.

Stevenson Salinas, Valentina Beatriz
Molecular Basis of Immunotolerance in 
Canine Neoplasias
Committee Chair: Prof. W. R. Huckle and Prof. T. 
LeRoith

Wang, Zhuang
Investigation of microRNAs in 
Autoimmunity: Characterizing the Effect of 
MicroRNA-183-96-182 Cluster on Lupus-prone Mice
Committee Chair: Prof. S. A. Ahmed

Zheng, Youjing
The Direct Impact of Gut Microbiome 
Derived Metabolite Trimethylamine-N-Oxide on Cardiac Function
Committee Chair: Prof. J. He

August 12, 2022

Cabana Puig, Xavier
Characterizing the Roles of Gut Microbiota, 
Probiotic Lactobacilli and CX3CR1 in the 
Development of Autoimmunity in MRL/lpr 
Mice
Committee Chair: Prof. X. Luo

Mercer, Melissa Ann
The Clinical Pharmacology of 
Acetaminophen in Adult Horses
Committee Chair: Prof. J. L. Davis
INTERDISCIPLINARY DEGREES

GENETICS, BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

December 15, 2022

Johnson, Marcela Aguilera
Computational Tools for Improved Detection, Identification, and Classification of Plant Pathogens Using Genomics and Metagenomics
Committee Chair: Prof. B. A. Vinatzer and Prof. S. Li

Johnson, Zachary Austin
Evaluation of Computational and Experimental Parameters in RNA Bisulfite Sequencing Analysis and Applications in Brain Development Studies
Committee Chair: Prof. H. D. Xie

August 12, 2022

Xu, Chunrui
Mathematical Model of the Cell Cycle Control and Asymmetry Development of Caulobacter crescentus
Committee Chair: Prof. J. J. Tyson and Prof. Y. Cao

MACROMOLECULAR SCIENCE AND ENGINEERING

August 12, 2022

Alaboalirat, Mohammed Ali
Synthesis and Characterization of Complex Polymer Topologies using Ring-Opening Metathesis Polymerization
Committee Chair: Prof. J. Matson

Blosch, Sarah Elizabeth
Investigating the Fundamentals of Ring-opening Metathesis Polymerization to Synthesize Large, Well-defined, Bottlebrush Polymers
Committee Chair: Prof. J. Matson

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH

December 15, 2022

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

Fergusson, Austin David
Small Solutions to Big Problems: Design and Synthesis of Nanoparticles for Biomedical Applications
Committee Chair: Prof. R. M. Davis

Fritsch, Lauren Elizabeth
The Role of STING-Mediated Neuroinflammation in Traumatic Brain Injury
Committee Chair: Prof. A. M. Pickrell

Guilhaume Correa, Fernanda
Mitochondrial Dynamics Alteration in Astrocytes Following Primary Blast-Induced Traumatic Brain Injury
Committee Chair: Prof. P. VandeVord

Lin, Rui-Ci
Neutrophil Heterogeneity and its Therapeutic Potential in Sepsis
Committee Chair: Prof. L. Li

Wu, Xiaobo
The Role of the Perinexus in Long QT Syndrome Type 3
Committee Chair: Prof. S. Poelzing
August 12, 2022

Carrillo, Gabriela Lizana
Mechanisms Underlying Neural Circuit Remodeling in Toxoplasma Gondii Infection
Committee Chair: Prof. M. A. Fox

Goswami, Poorna
Differential Regulation of Herpes Simplex virus-1 and Herpes Simplex Virus-2 During Latency and Post Reactivation in Response to Stress Hormones and Nerve Trauma in Primary Adult Sensory and Sympathetic Neurons
Committee Chair: Prof. A. S. Bertke

Unroe, Keaton Andrew
Neurodevelopmental and Behavioral Consequences of Serotonin System Disruption via Early Life Exposure to SSRI Antidepressants
Committee Chair: Prof. S. Clinton

DOCTOR OF EDUCATION
COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
EDUCATIONAL LEADERSHIP AND POLICY STUDIES
December 15, 2022

Allard, Jennifer Evans
Hyperacceleration in Secondary Mathematics and Student Course Taking Patterns After Middle School Algebra
Committee Chair: Prof. C. S. Cash

Bocock, Joshua
Project-Based Learning and its Effects on 21st Century Learning Outcomes: A Phenomenological Study of Graduates from a New Tech Network Academy
Committee Chair: Prof. M. D. Alexander

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

Faust, Jeff Stephen
Elementary Principals' Perceptions of Technology Leadership During the COVID-19 Pandemic in Virginia
Committee Chair: Prof. C. S. Cash

Fleming, Jennifer Lynn
Inclusive Practices in the Collaborative, Co-Taught K-12 Classroom in One Virginia School Division: A Qualitative Study
Committee Chair: Prof. C. A. Mullen

Jarman, David R.
Teacher Gender, Student Gender, and Their Relationship to Male Representation in Special Education
Committee Chair: Prof. J. L. Brinkmann

Jones, Courtney Elizabeth
A Study in Leadership Practices that Cultivate Elementary School Teachers Well-being During a Global Pandemic
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Rivas, Gabriela
Leadership Practices Implemented by Elementary Principals to Address the Academic and Non-Academic Needs of English Learners
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Smith, Natia Keem
Middle School Leaders' Responsiveness to the Needs of the Sixth Grade Student Transitioning to Middle School in Two Virginia School Divisions
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price
Waterford, Carmen Renee
Perceptions of Assistant Principals as Equity-Focused Instructional Leaders
Committee Chair: Prof. J. L. Brinkmann

Winckler, Carl Frederick
A Study Examining Disparities in Selected Variables of High Performing and Low Performing High Schools in the Commonwealth of Virginia
Committee Chair: Prof. G. I. Earthman and Prof. C. S. Cash

August 12, 2022

Zayatz, Amanda Collins
Teacher Perceptions of Social-Emotional Learning Program Implementation and Sustainability in One School Division in Northern Virginia
Committee Chair: Prof. T. S. Price

EDUCATION SPECIALIST
COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
CURRICULUM AND INSTRUCTION

December 15, 2022

Russell, John Morgan

August 12, 2022

Bechtel, Sarah Elizabeth

EDUCATIONAL LEADERSHIP AND POLICY STUDIES
December 15, 2022

Crutchman, Amanda Leigh
Pantele, Lindsey
MASTER’S DEGREES

COLLEGE OF
AGRICULTURE AND LIFE
SCIENCES

MASTER OF SCIENCE
AGRICULTURAL AND APPLIED
ECONOMICS

December 15, 2022

McGroddy, Katherine Grace
Pierce, Timothy Samuel

August 12, 2022

Bein, Omri
Griles, Elijah John
Johnson, Nicholas Keith
Knutson, Zachary Allan
Lindsey, Jared Kenneth
McGee, Brianna Ahrndt
Ocheltree, Skyler Nigel
Peek, Nicole Briana
Rouin, Kaileen A.
Stanek, Matthew Gregory
Wilson, Allie
Suen, Vania

Beard, Christopher Trenton
Buchanan, Jonathan Michael
Harrison, Sarah Katherine
Harvey, Amanda Dawn
Kaiser, Emmett Rowan
King, Austin Dylan
Pendleton, Brittany Spann
Pittman, Elizabeth Anne
Southerland, Anita Mylene
Steinbach, Rachel Anne
Weiss, Molly
Wesner, Courtney Gail

ANIMAL AND POULTRY
SCIENCES

December 15, 2022

Acosta, Ernesto Luis
Barbini, Lindsey Nicole

Neary, Jessica Michelle
Paneru, Bidur
August 12, 2022

Kirkpatrick, Laila Thalia
Samper, Jordyn Marie

CROP AND SOIL ENVIRONMENTAL SCIENCES
December 15, 2022
Bellangue, David Nsame
McLoughlin, Brendan P.
Wilbur, Jessica Ann

August 12, 2022
Doyle, Connor Patrick
Maris, Jacob Ogden

HUMAN NUTRITION, FOODS AND EXERCISE
December 15, 2022
Yuan, Zeyu

August 12, 2022
Wunderlich, Kayla Marie

MASTER OF SCIENCE IN LIFE SCIENCES
AGRICULTURAL AND EXTENSION EDUCATION
December 15, 2022
Nelson, Dalton Glenn

BIOCHEMISTRY
December 15, 2022
Kavanaugh, Paul Michael

August 12, 2022
Kushelman,

DAIRY SCIENCE
December 15, 2022
Thompson, Ahmerah Unique

ENTOMOLOGY
December 15, 2022
Lane, Eleanor Lynn
Todd, Dakotah Brooks

August 12, 2022
Tanelus, Manette

FOOD SCIENCE AND TECHNOLOGY
August 12, 2022
Al Wahaimed, Abdullah Saud
Aung, Thet Me Me
Canty, Ellise Adia

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE
December 15, 2022
Kumar, Vipin
Spoth, Matthew Patrick

MASTER OF SCIENCE IN NUTRITION AND DIETETICS
December 15, 2022
Boone, Jordan Thomas
Farmer, Anna Marie
Hassan Yazdi, Tina
Kohl, Amber Lindsay
Kolwicz, Megan Elizabeth
Lachance, Iveta Valentinova
Modi, Kajal
Olson, Megan Clare
Peace, Victoria Elizabeth
Settelen, Corinne Nicole

Li, Nong
Vermillion, Emma Flower

MASTER OF FINE ARTS
CREATIVE TECHNOLOGIES
December 15, 2022
Burrell, Bryce Alexander
Deisa, Eva
August 12, 2022
Shokhov, Nikita

Gedeo, Adele Marguerite
Mali, Poorva
Ramesh, Tavisan
Smith, Carter Leigh
August 12, 2022
Brahma, Sreeya
Curtis, Charles Ethan

COLLEGE OF ARCHITECTURE, ARTS, AND DESIGN
MASTER OF ARCHITECTURE
December 15, 2022
Gedeo, Adele Marguerite
Mali, Poorva
Ramesh, Tavisan
Smith, Carter Leigh

MASTER OF PUBLIC ADMINISTRATION
PUBLIC ADMINISTRATION/PUBLIC AFFAIRS
December 15, 2022
Bustamante, Reagan Maire
Kitts, Derek W.
Ramos, Andrew Nicholson
Robertson, Catherine Finley

Abdulwahhab, Hiba Abdulrazzaq
Stanford, Rachel Marie
Zhou, Yue
MASTER OF SCIENCE
ARCHITECTURE
December 15, 2022
Dsouza, Michelle Mary
Hussain, Mohammad Sabbir
Kakarlapudi, Vaishnavi Drusya
Peter, Abel Xavier
Rewandkar, Prathamesh Pradip
August 12, 2022
Buren, Aaron Vachss

BUILDING/CONSTRUCTION
SCIENCE AND MANAGEMENT
December 15, 2022
Mali, Poorva
Tucker, Christopher Ryne

MASTER OF URBAN AND
REGIONAL PLANNING
December 15, 2022
Dixit, Kuldeep Kumar
Lesko, Brandon
Shelton, Brian
Washington III, John A.

PAMPLIN COLLEGE OF
BUSINESS
MASTER OF ACCOUNTING AND
INFORMATION SYSTEMS
December 15, 2022
Aghdasi, Sima
Alami, Michael K.
Balan, Jonathan Tyler
Brooks, Andrew Michael
Fogelgren, Michael Christian
Gibson, Elizabeth Joan
Graham, Logan McBride
Ren, Yunyan
Seymore, Justin Jerry
Syedain, Asad
Xystros, Michael Emanuel
Yu, Zemin
August 12, 2022
Bagheri, Andish
Fernandez Orozco, Maria Guadalupe
Murphy, Catherine Grace
Rodriguez, Erica Marie
Shiveley, Grace Marie
Smith, Christian Alexander
Tutt, Alfie Fraser Leonard
MASTER OF BUSINESS ADMINISTRATION

December 15, 2022

Bayarsaikhan, Shijir
Blasdell, Joshua David
Caldarelli, Adriana
Garcia, Gabriel Iran
Greenhalgh, Jay
Herman, Laura Shoshana
Kuruce, Harry Kenneth
Lensing, Andrew David
McCarthy, Steven Taylor
McIntyre, Kyle Robert
MurrayJr., Nicholas Durante
Nischal, Arjun
Page, Omar Teran Reashod
Rivera, Pedro Miguel
Smith, Elizabeth Pedraza
Trimmer, Meagan Michelle
Weingarten, Jason Daniel
Zhou, Hongda

August 12, 2022

Ahmed, Usman
Allen, Michael Stuart
Bertolino, Brian Michael
Bridges, Matthew Charles
Burge, Benjamin Samuel
Carroll, Nelson Grant
Cartledge IV, George Burroughs
Fahandezh Sadi, Arash
Gargan, Jennifer Renee
Gunter, Myles Edward
Halvorsen, Derek Allen
Harwood, Leslie Christine
Iverson, Kurt Donald
Jaday, Jesse Devon
Krebs, Kaitlyn
Kuntz, Julie Kessler
Lafountain, Ryan Steven
Larew III, John Jacob
Lineberry, Christian Lynn
McCorkindale, Matthew Martin
Norris, Robert Benjamin
Pardis, Sawyer Bijan
Price, Jennifer Zielinski
Price, Patrick Kadale
Snead, Courtney Michelle
Sparks, Ziwei Zhang
Whitlow, Traci C.

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Almosned, Hailah
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Bess, Matthew V.
Glardon, Kelly Marie
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Ricci, Elena Catherine

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Carlisle, Lucas Owen
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Clary, Mickhal Balbino
Cooper, Curtis L'Don
Cruz, Ashley
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Franklin, Davis Barrett
Froehlich, Cole Michael
Girardi, Isabella Mary
Glynn, Asher Elizabeth
Gonzales Vasquez, Alejandro
Gosselin, Eni
Graeff, Matthew William
Higgins, Kiernan
Kendall, Christopher Lance
Kim, Chanwoo
Kotadiya, Lisa Pragnesh
Lubnow, Sarah Elizabeth

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Munna, Rocco Vincent
Nassimi, Mumin
Nelson, Tyler Kyle
Patel, Daversh Manhar
Petteruti, Patrick
Prodanas, Alexios
Rice, William Thomas
Rigatti, Abigail Jane
Robbins, Meredith Claire
Shafer, James R.
Skrzeszewski, Oskar Wojciech
VaughnIII, William Edward
Ward, Ammon Dajour
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Farmer, Stephen Maxwell

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Alapati, Shiva Maruth
Andreoli, Matthew James
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Chava, Sindhu
Dhar, Ayush
Dutta Gupta, Monami
Gnanasekar, Bhuvaneswari
Gogineni, Ajay Kumar
Gupta, Komal
Hsieh, Hsin Han
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Kimiavi, Alexander Shayan
Kondreddy, Sai Vamshidhar Reddy
Podugu, Uday Kiran
Qamar, Taimoor
Robie, John William
Tan, JiaJun

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Alebrahim, Arwa Ebrahim
Andhale, Apurv Arun
Atukuri, Sri Sai Asrith
Ba Gubair, Abdulmaged Karama
Bafna, Tanishq

Balar, Romil Khimraj
Banda, Sai Venkat Reddy
Bandaru, Rohith Reddy
Bapat, Sumukh Sukant
Barnhill, Blake Tomasz
Basapathi Srinivas, Sahana
Bellam, Sree Hari Priya
Bhan, Disha
Boggavarapu, Purna Srivatsa
Bonthu, Harsha Vardhan Reddy
Chahine, Kevin Ziad
Chellapilla, Shri Akhil
Chhabra, Arnav
Chinthalapudi, Sai Anish
Cho, David Sungrae
Chou Fu, Ju Yu
CusterIII, Kenneth Houston
Diaz-Claure, Cristian Carlos
Edla, Soumith Reddy
Eggleston, Quinn Divecha
Ellaboina, Venkatesh
Gada, Neel Chetan
Gattidi, Sai Deepak
Gottimukkala, Rithvik
Guntaka, Anudeep Kumar Reddy
Han, Wenjun
Hsieh, Yuan-Shen
Huang, Pei Cheng
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Mysore Shesharaj, Vishal
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Autkar, Komal Vijay
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Miller, Ethan Yoseph
Nandwana, Dev Pankaj
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Milligan, Erin G.
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Newcomb, Morgan Ji Hae
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Buck, Walter
Burns, Daley Ann
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Diallo, Amadou Saikou
Dupin, Jeremiah
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Galleo, Lily
Gibson, Christopher C.
Goracke, Brande L.
Hart, Katelyn
Hastings, Alyssa Massey
Haywald, Amanda Mae
Hochwalt, Manmeet Kaur
Huff, Andrew Christian Walters
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Hussain, Farah I.
Irvine, Emily Scruby
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Khan, Muhammad Najeeb
Kumar, Abhinav
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Marable, Trevor Marques
Martinez Alpaca, Ynty Koyllor
McCarthy, Kaitlyn Ann
Meyer, Eli J.
Murphy, Kristen S.
Newborn, Charles Edward Isaac
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Powell, James Spencer
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Ross, Jerome Edward-Burns
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Shifflett, Jill Walker
Smith, Robert Maynard
Spangler, Lindsay Nicole
Stanley, Elise Rebecca
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Tait-Sleeter, Rebecca Susan
Taylor, Haileigh Alexis
Usher, Anne Kellogg
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Vaughn, Timothy M.
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Willis, Kayci Danielle
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Backman, Elizabeth Shaileen
Bontell, Stephanie Ann
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Botelho, Kira
Chantarasaap, Kulapan
Cleveland II, David Allen
de Venoge, Nicole Therese
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Holliday, Ashton Lauren
Miles, Nathalie Taylor
Nguyen, Kristen Kim Que
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Williams, Nicholas

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Bradshaw, Elizabeth Andrews
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Abaunza Oquel, Jose G.
Birk, Elijah Nicholas
Boardman, Nickolas W.
Bradshaw, Elizabeth Andrews
Brennan, Matthew Michael
Doyne, Jeremy
Frye, Christopher Noble
Hein, Joshua Dylan
Kusterer, David Joseph
Lavery, Timothy A.
O'Connor, Patrick Ryan
Ridgeway, Josiah Weis-Tonka
Thornton, Ashley Nicole
Vu, Daniel B.
White, Christopher Scott

DATA ANALYTICS
December 15, 2022
Jain, Aneesh
Shadab, Niloofar
August 12, 2022
Law, Andrew Chung Chee

**DISASTER RESILIENCE**

December 15, 2022
Pamukcu, Duygu

August 12, 2022
Ahmed, Zakia
Alammar, Abdulrahman Ibrahim
Prestegaard, Jacquelyn Marie
Sathe, Sonal Shridhar
Seo, Miran
Shaver, Anaïd Danyelle
Tupik, Juselynn Dorién
Xu, Ping

August 12, 2022
Yu-Shan, Abril Victoria

ENTREPRENEURSHIP IN HOSPITALITY AND TOURISM MANAGEMENT

December 15, 2022
Filiatreau, Svetlana

August 12, 2022
Shinde, Nilesh Nivrutti

FUTURE PROFESSORIATE

December 15, 2022
Alenezi, Abdulaziz S.
Blankenship, David Edward
Hanling, Haylee Hicks
Harode, Ashit
Maile-Moskowitz, Ayella Zorka
Norris, Matthew Brooks
Nuckols, Erin Lorann
Olayiwola, Johnson Tumininu
Pamukcu, Duygu
Pancini, Stefania
Respess, Brandy Willow
Stewart, Carey
Sogodogo, Amady Tiecoura
Unroe, Keaton
Withers, Jeremy

GERONTOLOGY

August 12, 2022
Shelburne, William Robert

August 12, 2022
Ahluwalia, Sonam
Amato, Henry John
Barclift, Jane Ann
Beeman, Suzette
Blancher, Meghan Maraia
Buck, Walter
Burns, Daley Ann
Carico, Kaylee Faith

GLOBAL SUSTAINABILITY

December 15, 2022
Coe, Tracey
Cudd, April Yvonne
Diallo, Amadou Saikou
Dupin, Jeremiah
Feng, Qihua
Fry, Melissa Dyan
Galleo, Lily
Gibson, Christopher C.
Goracke, Brande Lee
Hart, Katelyn Anne
Hastings, Alyssa Massey
Hochwalt, Manmeet Kaur
Huff, Andrew Christian Walters
Humphreys, Nathaniel
Hussain, Farah Imrana
Irvine, Emily Scruby
Johnson, Bridget Griffin
Kinney, Gabrielle Renee
Kumar, Abhinav
Latamore, Stacy
Leftin, Katherine
Marable, Trevor Marques
Martinez Alpaca, Ynty Koyllor
McCarthy, Kaitlyn Ann
Meyer, Eli J.
Murphy, Kristen Sue
Newborn, Charles Edward Isaac
Pelkowski, Brian
Pierce, Mackay
Pollard, Stephen Michael
Reddy, Shweta
Ross, Jerome Edward-Burns
Shaw, Elizabeth
Shifflett, Jill Walker
Sledge, Michael Wayne
Smith, Jennifer Marta
Smith, Robert Maynard
Strong, Alexandra Marie
Taylor, Haileigh Alexis
Thompson, Elena Gail
Vander Ley, Kelsey Jean
Vaughn, Timothy Michael
Velaski, Matthew
White, Irene Veronica
Williams, DeShay
Willis, Kayci Danielle
Wolfe, Brendle Lee
Zdrojewski, Nicole Yvonne

August 12, 2022

Chantarasap, Kulapan Noelle
Cleveland, David Allen
Haywald, Amanda Mae
Johnson, Thomas Boyatt
Lott, Justin Thomas
Nguyen, Kristen Kim Que
Quick, Kimberly Ann
Razanauskas, Emilia Ada
Spangler, Lindsay Nicole
Waldron, Todd H.
White, Kelly Donald
Wilson, Audrey Gail

HEALTH INFORMATION TECHNOLOGY
December 15, 2022
Hagibrahim, Abubakr A.
Howell, Alex
McNally, Anne Mims
August 12, 2022
Blevins, William Garrett
Haqqani, Areeba
Harms, Timothy Shannon
Hashmi, Hassan Ali
Kuzior, Chance Thomas
Moses, Matthew Anderson
Nassiry, Haider Mohammad
Olszewski, John
Robitaille, Catherine J. V.
Styles, Caitlin Paige,

HIGHER EDUCATION ADMINISTRATION
December 15, 2022
Ebreo, Nicole Catan

INFORMATION SYSTEMS DESIGN
December 15, 2022
Hoffmann, John Robert
McKinley, Charles Logan
Saeed, Sarah
Van Hof, Bret Andrew

INFORMATION TECHNOLOGY MANAGEMENT
December 15, 2022
Doyne, Jeremy
Gupta, Rashmi
Henry, David Richard
Johnson, Everett
Keith, Jay R.
Yost, Anthony James
August 12, 2022
Ahmed, Raiyan
Peeples, Brian Jerel

INTERDISCIPLINARY WATER AND HEALTH SCIENCE
December 15, 2022
Yu, Dajun

INCLUSION AND DIVERSITY
December 15, 2022
Sogodogo, Amady Tiecoura

LEARNING SCIENCE
December 15, 2022
Asante, Douglas
August 12, 2022
Alghamdi, Bushra Abdulkarim
LOCAL GOVERNMENT MANAGEMENT

December 15, 2022

Baker, Nicholas Ryan
Douglas, James Neal
Hartley, Jessica
Markel, Keith Edward
Pingilley, Jonathan Lee
Ramos, Andrew Nicholson
Richardson, Claire Avey
Saunders, Stuart Lynn
Seiter, Jonathan Martin
Walsh, Virginia Mary

August 12, 2022

Arancibia, Rafael Atilio
Brumback, Christopher
Frischeisen, Rachel Lee
Peace, Jonathon Trey

NATURAL RESOURCES

December 15, 2022

Case, Tanesha A.
Escalante Pedraza, Sharon Daiana
Guadarrama Alonso, Raul
Hartwick, Candace Alexandria
Haywald, Amanda Mae
Herring, Jessica
Hester, Shanan E.
LaLuzerne, Lauren Michelle
Lott, Justin Thomas
McLellan, Ethan
Netzel, Jacob Andrew
Newsom, Luci
Stanley, Elise Rebecca
Vander Ley, Kelsey Jean
Vollmer, Emily Jean
White, Jamel

August 12, 2022

Donnelly, Erin Elizabeth
Garretson, Rachel
Huff, Andrew Christian Walters
Jama, Molly Jo
Marable, Trevor Marques
Matney, Autumn Jade
Miles, Nathalie Taylor
Partlow, Courtney Peverell
Phillips, Ann Catherine
Ponsler, Darian
Pounds, Concetta Reign
Rearick, Courtney Ann
Rife, Rachel
Sledge, Michael Wayne
Smith, Jennifer Marta
Solomon, Rachel
Ware, Cameron Trelles
Wilson, Audrey Gail
Woods, Cory Matthew
Zsembik, Michael R.
NONPROFIT AND NONGOVERNMENTAL ORGANIZATION MANAGEMENT
December 15, 2022
Quam, Jennifer Leigh
Zaarour, Khodr M.

August 12, 2022
Sogodogo, Amady Tiecoura
Woods, Zuleka Randell

PUBLIC AND NONPROFIT FINANCIAL MANAGEMENT
December 15, 2022
Polk, Casey Skyler Cameron
Washington, John A.

PUBLIC HEALTH
December 15, 2022
Dressler, Julianne Marie
Richardson, Asia

REMOTE SENSING
December 15, 2022
Prior, Elizabeth Mary
Ritz, Alison Leigh

August 12, 2022
Shinde, Nilesh Nivrutti

RESEARCH IN TRANSLATIONAL MEDICINE
August 12, 2022
Barylak, Martin P.
Beck, Patrick J.
Bendetson, Jesse G.
Bhutada, Abhishek S.
Brooks, David A.
Canary, Lauren A.
Cleary, Liam M.
Coleman, Erika M.
D'Onofrio, Patrick J.
Dvorak, Stephen J.
Edokobi, Nneoma B.
Engel, Casey E.
Fahey, Shaylyn
Flinn, Carney J.
Ganjineh, Brandon
Gueco, Kristina M.
Hamlin, Stephanie
Harrigan, Megan E.
Hoyt, Kacie
Humphries, Audrey A.
Hutchings, Kasen R.
Ingram, Kelly J.
Jain, Aakash
Jilaeva, Ilona
Kim, Hyun Sue
Lavallee, Catherine A.
Leaf, Melissa R.
Marlin Andrews, Celine R.
Mebane, Caroline M.
Metsutnan, Vemmy L.
Milam, Mary G.
Mitchell, Brook
Murray, Douglas W.
Oakland, David N.
Patel, Riya T.
Purcell, Daniel J.
Ruffle, Abigail E.
Saha, Atreyi
Simpson, Abigail E.
Speroni, Samantha L.
Stebbins, Katelyn
Strohman, Andrew C.
Thomas, Miles A.
Tintera, Benjamin H.
Trivedi, Nirali P.
Williams, Serina A.

**SCIENCE, TECHNOLOGY, AND ENGINEERING IN POLICY**

*December 15, 2022*

Wait, Kory David

*Bhide, Shantanu Vidyadhar*

**SOFTWARE DEVELOPMENT**

*December 15, 2022*

Birk, Elijah Nicholas
Gary, Casey Wade
Howell, Alex
Jezierski, Matthew Wilson
Kusterer, David Joseph
Mahajan, Swati
Umphlet, Robert Joseph
Vu, Daniel B.

*August 12, 2022*

Blackwell, Christopher
Brown, Seth Alexander
Poesch, Alexandra Craig
Shaw, Anna
Singh, Sukhjoot

**TRANSPORTATION PLANNING AND POLICY**

*December 15, 2022*

Kaur, Manpreet

**URBAN COMPUTING**

*December 15, 2022*

Suddala, Suchith