SPRING 2024

THE GRADUATE SCHOOL
Dean Aimée M. Surprenant
DOCTORAL DEGREES
Doctor of Philosophy

COLLEGE OF
AGRICULTURE AND LIFE
SCIENCES

AGRICULTURAL AND
EXTENSION EDUCATION

Johnson, Kellie Victoria
An Intrinsic Case Study of Virginia Tech’s
George Washington Carver Assistantship
Program: Fostering Student Success
Through Culturally Engaging Campus
Environments
Committee Chair: Prof. T. A. Drape

Robinson, Quintin Orlando
Urban Agricultural Education: Exploring
Good Practices for Recruiting and Retaining
Underrepresented Youth Into the
Agricultural Industry
Committee Chair: Prof. R. D. Rudd

ANIMAL AND PULTRY
SCIENCES

Marrella, Mackenzie Ann
Molecular Phenotypes Associated with
Heifer Fertility
Committee Chair: Prof. F. H. Biase

Murray, Adam Riley
Supplementation Strategies for Growing and
Finishing Beef Cattle on Tall Fescue
Pastures in the Southeast
Committee Chair: Prof. T. B. Wilson

Niblett, Richard Tyler
Feeding Strategies to Enhance Gilt
Reproduction and Subsequent Longevity in
the Breeding Herd
Committee Chair: Prof. M. J. Estienne

ANIMAL SCIENCE, DAIRY

Hruby, Alexis Cecilia
Predicting Post-absorptive Amino Acid
Supply to the Mammary Tissue
Committee Chair: Prof. K. M. Daniels and Prof. M. D. Hanigan

BIOCHEMISTRY

Johnson, Sydney
Mechanisms of Flavin-Dependent
Monooxygenases Involved in Natural
Product Chemistry
Committee Chair: Prof. P. Sobrado

McClune, Mecaila Elizabeth
Elucidating the Role of Peptidoglycan from
Borrelia Burgdorferi in Lyme Disease
Pathogenesis
Committee Chair: Prof. B. L. Jutras

CROP AND SOIL
ENVIRONMENTAL SCIENCES

Badon, Thomas Beauregard
Exploring Phosphorus Dynamics in Mid-
Atlantic Soils: A Multi-Scale Analysis
Integrating Soil Fertility and Land
Management for Environmental
Sustainability
Committee Chair: Prof. M. S. Reiter
Haymaker, Joseph R.
Cultivating Sustainability: Analyzing Soil Health Dynamics and Economic of Cover Crops in the Mid-Atlantic
Committee Chair: Prof. M. S. Reiter

Thomas, Summer Payge
The Evaluation of Rotational Bale Grazing as an Alternative Winter-Hay Feeding System
Committee Chair: Prof. R. O. Maguire

ECONOMICS
Cheng, Yang
Tasks, Skills, and Jobs in the Green Economy
Committee Chair: Prof. S. E. Chen

Swedberg, Kristen M.
Essays in Surface Water Quality Valuation
Committee Chair: Prof. K. Boyle

ENTOMOLOGY
Bielski, Jason Tyler
Management of Spotted Lanternfly (Lycorma delicatula) Overwintering Egg Masses; Multiple State Records of Aculops ailanthi, the Potential Biological Control Agent of Tree-of-Heaven (Ailanthus altissima)
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

Schepis, John Philip
Diapause Biology, Dispersal Capabilities and Insecticide Use for Lygus lineolaris in Mid-Atlantic Cotton Systems
Committee Chair: Prof. A. Del Pozo-Valdivia

FOOD SCIENCE AND TECHNOLOGY
Ayuk Etaka, Cyril Nsom
Evaluating Risks and Mitigation Measures for Indicator Organisms and Foodborne Pathogens in Harvest Bags
Committee Chair: Prof. L. K. Strawn

Miller, Rebekah Jane
Using Flavor Chemistry, Sensory, and Texture to Determine Domestic Edamame Quality
Committee Chair: Prof. R. Miller and Prof. Y. Yin

HORTICULTURE
Brown, Forrest Jackson
Nitrogen Fate and Transformations in the Production of Containerized Specialty Crops
Committee Chair: Prof. A. X. Niemiera

HUMAN NUTRITION, FOODS AND EXERCISE
Brown, Jeremiah M.
The Effect of Episodic Future Thinking on a Novel Measure of Behavioral Economic Demand for Exercise
Committee Chair: Prof. J. S. Stein

Ramadoss, Rohit kumar
The Effect of Curcumin on Oxidative Stress and Inflammatory Markers in Recreationally Active Women and Men
Committee Chair: Prof. S. L. Volpe
Sanchez, Allison Diane
Evaluating Nutrition Recommendations and Identifying Predictors to Promote Healthy Weight Gain Through Whole Foods in Athletic Individuals
Committee Chair: Prof. D. E. Larson-Meyer

Sterringer, Trisha Marie
The Effects of Low Energy Availability and High-Impact Exercise on Bone and Body Composition
Committee Chair: Prof. D. E. Larson-Meyer

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE

Bilyeu, Landon T.
Modeling the Spread of Airborne Particles Associated with Harmful Algal Blooms
Committee Chair: Prof. D. G. Schmale III and Prof. S. D. Ross

Koo, Daewon
Assessing Spray Deposition and Weed Control Efficacy from Aerial and Ground Equipment in Managed Turfgrass Systems
Committee Chair: Prof. S. D. Askew

COLLEGE OF ARCHITECTURE, ARTS, AND DESIGN

ARCHITECTURE AND DESIGN RESEARCH

Almutlaq, Manal Abdullah M.
A Knowledge-based Framework for an Aesthetically Pleasing Waste-Driven Wall Finish Panel Toward a Sustainable Building Practice in Saudi Arabia
Committee Chair: Prof. J. R. Jones

Alrayyan, Kawthar Mazin
Parkification of Disturbed Landscapes: Uncovering the Process of Transforming Post-Industrial Sites into Urban Parks at Ruseifa, Jordan
Committee Chair: Prof. T. L. Clements and Prof. C. L. Bohannon

Li, Dan
Sustainability in Design Education: A Mixed Methods Approach for Exploring Sustainability Teaching and Understanding in Landscape Architecture
Committee Chair: Prof. C. L. Bohannon and Prof. M. Kim

Nusair, Heba Zaid
Assessing Working Models' Impact on Land Cover Dynamics through Multi-Agent Based Modeling and Artificial Neural Networks: A Case Study of Roanoke, VA
Committee Chair: Prof. M. Kim

Rabab’ah, Ikhlas Oqlah
Developing a Prototypical Biophilic Localized Natural Airflow Simulator (BLNAS) for a Modular Workstation
Committee Chair: Prof. J. R. Jones
Shen, Zhongzhe
Enhancing Landscape Performance Measurement Using Smart Devices, Data Visualization, and Longitudinal Tracking
Committee Chair: Prof. M. Kim

BUSINESS, HOSPITALITY AND TOURISM MANAGEMENT

Tucker, Charis Nicole
Are You Judging Me? Exploring Legitimacy Through the Lens of Black Travelers
Committee Chair: Prof. N. G. McGehee

Zhang, Huihui
Strategizing in Response to Environmental Uncertainty in the Hospitality Industry: A Data-Analytical Approach
Committee Chair: Prof. Z. Xiang and Prof. F. Zach

PAMPLIN COLLEGE OF BUSINESS
BUSINESS, ACCOUNTING AND INFORMATION SYSTEMS

Filosa, Jessica Rose
An Examination of the Audit Implications of Third-Party Risk
Committee Chair: Prof. S. E. Stein

BUSINESS, EXECUTIVE BUSINESS RESEARCH

Baldwin, Quentin Tramond
Discursive Diversity Strategy: Signaling Theory and Implications for Firm Value
Committee Chair: Prof. A. K. Ward Bartlett

Stuebi, Richard Theodore
Exploring Antecedents to Environmentally-Consequential Consumer Choices and Behaviors
Committee Chair: Prof. D. Chakravarti

BUSINESS, FINANCE

Lin, Chun-Wei
Essays on Factor Models
Committee Chair: Prof. R. M. Edelen and Prof. K. Tran

COLLEGE OF ENGINEERING
AEROSPACE ENGINEERING

Adkins, Vincent James
Automated Detection and Analysis of Low Latitude Nightside Equatorial Plasma Bubbles
Committee Chair: Prof. S. L. England

Apte, Dhruv Girish
A Qualitative Assessment and Optimization of URANS Modelling for Unsteady Cavitating Flows
Committee Chair: Prof. E. G. Paterson and Prof. O. Coutier-Delgosha

Bean, Ian Alexander
Pre-ionization Studies on the Modular Theta-pinch Experiment for Field-reversed Configuration Applications
Committee Chair: Prof. C. Adams

Boyda, Matthew Thomas
Simultaneous Multi-Property Quantification of Internal Flow Fields by Filtered Rayleigh Scattering
Committee Chair: Prof. K. T. Lowe
Bradshaw, Kolter Austen
Emitting Wall Boundary Conditions in Continuum Kinetic Simulations: Unlocking the Effects of Energy-Dependent Material Emission on the Plasma Sheath
Committee Chair: Prof. B. Srinivasan

Carrier, Matthew James
Coupling of the Magneto-Rayleigh-Taylor Instability to the Electrothermal Instability in Megaampere Pulsed-Power-Driven Implosions
Committee Chair: Prof. B. Srinivasan

Halefom, Mekonen Haileselassie
Identification of Unsteady Flight Dynamic Models and Model-based Wind Estimation with Flight Test Validation
Committee Chair: Prof. C. A. Woolsey

Kaudur, Srivatsa Bhat
Shape/Topology Optimization and Material Design Using Immersed FEM, and Material Modeling for Diver Underwater Explosion (UNDEX) Simulations
Committee Chair: Prof. R. K. Kapania and Prof. M. J. Patil

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

Penn, Dylan R.
Encoding the Sensor Allocation Problem for Reinforcement Learning
Committee Chair: Prof. J. T. Black

Pisharoti, Naina
Aerodynamic and Aeroacoustic Analysis of Low Reynolds Number Propellers Using Higher-Order RANS Transition Turbulence Modeling
Committee Chair: Prof. S. Brizzolara

Racelis, Danielle Joan Lim
Advanced Receiver Autonomous Integrity Monitoring for Multi-Constellation GNSS and LEO- Augmented GNSS
Committee Chair: Prof. M. Joerger

Sakib, Nazmus
Time Delay Mitigation in Aerial Telerobotic Operations Using Predictors and Predictive Displays
Committee Chair: Prof. C. A. Woolsey

Samulski, Camille Clement
A Study of the Rayleigh-Taylor Instability During Deceleration in Inertial Confinement Fusion Relevant Conditions
Committee Chair: Prof. B. Srinivasan

Tuminello, Richard Michael
Extreme Ultraviolet Airglow Observations and Applications from the Ionospheric Connection Explorer
Committee Chair: Prof. S. L. England

Zhao, Xuning
Long-Pulsed Laser-Induced Cavitation: Laser-Fluid Coupling, Phase Transition, and Bubble Dynamics
Committee Chair: Prof. K. G. Wang

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**BIOLOGICAL SYSTEMS ENGINEERING**

Bryant, John Alexander
Synthetic Auxin Engineering: Building a Biofoundry Platform
Committee Chair: Prof. R. C. Wright and Prof. B. Bargmann
Chaisupa, Patarasuda
Understanding and Engineering Chemically Activated Ubiquitin Ligases as a Biosensor for High-throughput Detection and Quantification of Molecules in Yeast
  Committee Chair: Prof. R. C. Wright

Nourali, Zahra
Assessing Climatic Hazards in Coastal Socio-Ecological Systems Using Complex System Approaches
  Committee Chair: Prof. J. E. Shortridge

Towsif Khan, Sami
Impacts of Stormwater Management Practices and Climate Change on Flow Regime and Channel Stability
  Committee Chair: Prof. T. M. Thompson and Prof. D. J. Sample

**BIOMEDICAL ENGINEERING**

Atay, Naciye Nur
Effect of Interstitial Fluid Flow and Radiotherapy on Glioblastoma Invasiveness and Progression
  Committee Chair: Prof. J. M. Munson

Esparza, Cora Marie
Examining Location-specific Invasive Patterns: Linking Interstitial Fluid and Vasculature in Glioblastoma
  Committee Chair: Prof. J. M. Munson

Esparza, Savieay Luis
Integrated Multimodal Analysis: Evaluating the Impacts of Chemotherapy and Electroporation-Based Therapy on Lymphatic and Blood Microvasculature in Cancer
  Committee Chair: Prof. J. M. Munson

Stark, Nicole Elizabeth
Establishing Boundary Conditions for Optimized Recreation of Head Impact
  Committee Chair: Prof. S. Rowson, Jr.

**CHEMICAL ENGINEERING**

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

Gupta, Mohit
Modeling Flotation from First Principles Using the Hydrophobic Force as a Kinetic Parameter
  Committee Chair: Prof. R. H. Yoon and Prof. W. A. Ducker

Hosseini, Mohsen
Surface Coatings for Antimicrobial Activity and Fast Evaporation
  Committee Chair: Prof. W. A. Ducker

Huang, Yang
Computational and Data-Driven Design of Perturbed Metal Sites for Catalytic Transformations
  Committee Chair: Prof. H. Xin

Niu, Liqian
Locally Administered Particle-Anchored Cytokines Safely Enhance Cancer Immunotherapy
  Committee Chair: Prof. R. Tong

**CIVIL ENGINEERING**

Alarrak, Rashed
Performance and Design of Extruded Fiber-Reinforced Mortar with Preferentially Aligned Fibers
  Committee Chair: Prof. A. S. Brand

Alrumaidhi, Mubarak S M S
Evaluating Factors Contributing to Crash Severity Among Older Drivers: Statistical Modeling and Machine Learning Approaches
  Committee Chair: Prof. H. A. Rakha
Coleman, Zachary Wyatt  
Hooked Bar Anchorages and Their Use in Noncontact Lap Splices  
Committee Chair: Prof. E. J. Jacques

Dias Ignacio Junior, Paulo  
Quantifying the Benefits of Multisensory Biophilic Restorative Experiences: An Empirical Study Measuring Effects on How Engineers Feel, Think, and Design  
Committee Chair: Prof. E. W. Shealy III

Eteifa, Seifeldeen Omar  
Committee Chair: Prof. H. A. Rakha

Grinton, Charlie Wendell  
Improving the Design of Civil Infrastructure Messages for the Public  
Committee Chair: Prof. F. E. Paige

Kaplan, Marcella Mina  
Implications of the Introduction of Advanced Technologies in Rural Delivery  
Committee Chair: Prof. B. J. Katz and Prof. S. Hotle

Lytle, Christian J.  
Committee Chair: Prof. M. A. Edwards

Smith, Alan Glynn  
Human Computer Interaction Design for Assisted Bridge Inspections via Augmented Reality  
Committee Chair: Prof. R. Sarlo

Trump, Joshua Jordan  
Embodied Virtual Reality: The Impacts of Human-Nature Connection During Engineering Design  
Committee Chair: Prof. E. W. Shealy III

Walshire, Lucas Adam  
Transient Seepage Analysis for Levees and Dams: Numerical and Monitoring Approaches  
Committee Chair: Prof. T. L. Brandon

Wang, Jiefu  
Carbon-efficient Wastewater Treatment Through Resource Recovery, Process Intensification, and Partial Denitrification Anammox  
Committee Chair: Prof. Z. Wang

Wang, Wei  
Surface-Enhanced Raman Spectroscopy Enabled Microbial Sensing  
Committee Chair: Prof. P. J. Vikesland

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

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**COMPUTER ENGINEERING**

Ambarkutuk, Murat  
Multi-Sensor Passive Multi-Occupant Localization  
Committee Chair: Prof. C. F. Jones III and Prof. P. E. Plassmann

Atalay, Tolga Omer  
Design of Secure Scalable Frameworks for 5G and Beyond  
Committee Chair: Prof. A. Stavrou

Ismail, Mohannad Adel Abdelmoniem Ahmed  
Effective and Practical Defenses Against Memory Corruption and Transient Execution Attacks with Hardware Security Features  
Committee Chair: Prof. C. Min and Prof. W. Xiong
Mahmod, Md Jubayer Al
  Committee Chair: Prof. M. Hicks

Panwar, Gagandeep
Utilization-adaptive Memory Architectures
  Committee Chair: Prof. A. Butt and Prof. X. Jian

Rezvani, Behnaz
Automatic Co-Synthesis of Hardware and Software Safety Monitors for Embedded Systems
  Committee Chair: Prof. C. D. Patterson

Hassan, Taha
Contours of Prerogative: Trust, Editorial Intent, and Institutional Support in Higher Education
  Committee Chair: Prof. D. S. McCrickard

He, Jianfeng
Uncertainty Estimation on Natural Language Processing
  Committee Chair: Prof. C. Lu

Karajeh, Ola Abdel-Raheem Mohammed
Improving Text Classification Using Graph-based Methods
  Committee Chair: Prof. E. A. Fox and Prof. D. Zhou

Liang, Xiao
Computational Insights into Evolutionary Dynamics of Human and Primate Genes
  Committee Chair: Prof. L. S. Heath

Liu, Zhongdong
Data Freshness in Information-update Systems: Modeling, Scheduling, and Tradeoffs
  Committee Chair: Prof. B. Ji

Sowle, Rachita
Combinatorial Algorithms for Server Allocation Problem
  Committee Chair: Prof. S. Raghvendra

Williams, Harrison Ridgway
Circuit Support for Practical and Performant Batteryless Systems
  Committee Chair: Prof. M. Hicks

COMPUTER SCIENCE AND APPLICATIONS

Alhamadani, Abdulaziz Abdulrhman
Integrated Predictive Modeling and Analytics for Crisis Management
  Committee Chair: Prof. C. Lu

Alkulaib, Lulwah Ahmad
Analyzing Networks with Hypergraphs: Detection, Classification, and Prediction
  Committee Chair: Prof. C. Lu

Chen, Hongjie
Graph-based Time-series Forecasting in Deep Learning
  Committee Chair: Prof. H. M. Eldardiry

Corbett, Matthew
Enhancing Security and Privacy in Head-Mounted Augmented Reality Systems Using Eye Gaze
  Committee Chair: Prof. B. Ji

Gong, Jiaying
Few-Shot and Zero-Shot Learning for Information Extraction
  Committee Chair: Prof. H. M. Eldardiry

ELECTRICAL ENGINEERING

Coyle, Shane Erik
Conductivity Modulation of Magnetosphere-Ionosphere Coupling
  Committee Chair: Prof. C. R. Clauer, Jr. and Prof. J. B. Baker
Garg, Aditya
Advancing Nanoplasmonics-enabled Regenerative Spatiotemporal Pathogen Monitoring at the Bio-interface
Committee Chair: Prof. P. J. Vikesland and Prof. W. Zhou

Jain, Akshay Kumar
Integrated Optimal Dispatch, Restoration and Control for Microgrids
Committee Chair: Prof. C. Liu

Jin, Feng
PCB-Based High-Power DC/DC Converters with Integrated Magnetics for Battery Charger Applications
Committee Chair: Prof. Q. Li

Kim, Jongwoon
Flexible, Multifunctional Fiber Devices for Biomedical Application
Committee Chair: Prof. X. Jia

Li, Qian
Designing Power Converter-Based Energy Management Systems with a Hierarchical Optimization Method
Committee Chair: Prof. D. Boroyevich

Li, Zheqing
High-frequency Power Conversion for Medium Voltage Power Electronics Interfaces
Committee Chair: Prof. Q. Li

Lin, Qing
DQ-Frame Small-Signal Stability Analysis of AC Systems with Single-Phase and Three-Phase Converters
Committee Chair: Prof. R. Burgos

Lou, Xin
Single-Stage 48V/1V Voltage Regulator for High-Performance Microprocessors
Committee Chair: Prof. Q. Li

Mi, Xuelong
Brain Signal Quantification and Functional Unit Analysis in Fluorescent Imaging Data by Unsupervised Learning
Committee Chair: Prof. G. Yu

Morency, Christopher Charles
Collision Avoidance Using a Low-Cost Forward-Looking Sonar for Small AUVs
Committee Chair: Prof. D. J. Stilwell

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

Qi, Chensen
Optimization of Distribution Systems: Transactive Energy and Resilience Enhancement
Committee Chair: Prof. C. Liu

Sahani, Nitasha
AI-based Defense Against Cyberattacks in Cyber-Physical Distribution Systems
Committee Chair: Prof. C. Liu

Zhao, Xingchen
Power Density Optimization of SiC-based DC/AC Converter for High-Speed Electric Machine in More/All-electric Aircraft
Committee Chair: Prof. D. Dong

Zhu, Ruoxi
Intrusion Detection and Recovery of a Cyber-Power System
Committee Chair: Prof. C. Liu
ENGINEERING EDUCATION
Brisbane, Julia Machele
Leveraging Epistemic Exclusion as a Lens for Investigating Black Engineering Students' Undergraduate Research Experiences
Committee Chair: Prof. W. C. Lee, Jr. and Prof. J. S. London
Martinez Soto, Karen Dinora
A Case Study on Atmospheric Flight Mechanics Conceptual Understanding
Committee Chair: Prof. N. Pitterson
Pee, Crystal Meagan
Countering the John Henryism Narrative: A Case Study to Explore How Black EngineersRespond to Working Conditions
Committee Chair: Prof. W. C. Lee, Jr.
Schilling, Malle Rea
Understanding Place and Rurality in Engineering Education Through Pathways and Engagement
Committee Chair: Prof. J. R. Grohs
Snyder, Samuel Aaron
Exploring Engineering Faculty Experiences and Networks in Integrating Ethics Education: Insights from a University-Wide Curriculum Reform
Committee Chair: Prof. D. Bairaktarova
Taimoori, Hamidreza
Understanding STEM Students' Perceptions of Support
Committee Chair: Prof. D. B. Knight
Vicente, Sophia
Exploring Programmatic Elements, Learning, and Sense of Belonging in an Engineering Internship Program
Committee Chair: Prof. H. Matusovich

ENGINEERING MECHANICS
Bradley, Aidan James
Robotic Eavesdropping: Effects of Bioinspired Acoustic Sensing on Tracking and Estimation
Committee Chair: Prof. N. T. Abaid
Herbers, Eileen Mary
Exploring the Potential Safety Impact of Automated Driving Systems Using Naturalistic Data
Committee Chair: Prof. Z. R. Doerzaph
Snyder, William David
Advancing Maternal Health Through Projection-based and Machine Learning Strategies for Reduced Order Modeling
Committee Chair: Prof. R. De Vita

ENVIRONMENTAL DESIGN AND PLANNING
Dowell, Zachary David
Investigating Point-of-Source Organic Waste Treatment: The Case of Household Biogas in the U.S.
Committee Chair: Prof. A. R. Pearce
Peery, Stephen Seth
Mapping the Internet for Rural Economic Development: A Spatial Analysis of the Impact of Internet Use on Business and Community Prosperity
Committee Chair: Prof. H. Mayer and Prof. J. A. Provo
Sharifi, Houri
Developing Prefabricated, Light-weight CLT Exterior Wall Panels for Mid-rise Buildings
Committee Chair: Prof. G. Reichard
INDUSTRIAL AND SYSTEMS ENGINEERING

Al rezq, Mohammed Shjea
Empirical Investigation of Lean Management and Lean Six Sigma Success in Local Government Organizations
Committee Chair: Prof. E. M. Van Aken

Ba-Aoum, Mohammed Hassan
Advancing Emergency Department Efficiency, Infectious Disease Management at Mass Gatherings, and Self-Efficacy Through Data Science and Dynamic Modeling
Committee Chair: Prof. K. P. Triantis and Prof. N. Hosseinichimeh

Fravel, William James
Ideal MILP Embeddings for Disjunctive Programs with Applications to Political Districting and Landscape Clearing
Committee Chair: Prof. R. Hildebrand

Gnanasambandam, Raghav
Physics-informed Machine Learning for Digital Twins of Metal Additive Manufacturing
Committee Chair: Prof. Z. Kong

Hashemian, Seyed Mohammad
Production Pressure in Complex Socio-Technical Systems: Analysis, Measurement, and Prediction
Committee Chair: Prof. K. P. Triantis

Lee, Youngjae
Non-Treadmill Trip Training Laboratory Efficacy, Validation of Inertial Measurement Units, and Tripping Kinematics in the Real-World
Committee Chair: Prof. M. L. Madigan

MATERIALS SCIENCE AND ENGINEERING

Liu, Ning-Yuan
Enhancing Safety in Critical Monitoring Systems: Investigating the Roles of Human Error, Fatigue, and Organizational Learning in Socio-Technical Environments
Committee Chair: Prof. K. P. Triantis

Miller, Marcus Soren
The Application of Dynamic Capabilities and Policy Simulation to the Public Sector's Challenges in Cybersecurity and Ransomware
Committee Chair: Prof. N. Ghaffarzadegan

Ojelade, Aanuoluwapo Ezekiel
Evaluation of Markerless Motion Capture to Assess Physical Exposures During Material Handling Tasks
Committee Chair: Prof. M. A. Nussbaum

Wilhelm, Julia Claire Wolf
Boundary Resilience: A New Approach to Analyzing Behavior in Complex Systems
Committee Chair: Prof. J. D. Moreland, Jr.

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

Knight, Kendall Peyton
Heat Generation and Transfer in Additive Friction Stir Deposition
Committee Chair: Prof. H. Yu

Lin, Yifeng
Process/Structure/Property Relationships of Semi-Crystalline Polymers in Material Extrusion Additive Manufacturing
Committee Chair: Prof. C. B. Williams
Spencer, Joseph Andrew
Epitaxial Gallium Oxide Heterojunctions for Vertical Power Rectifiers
   Committee Chair: Prof. Y. Zhang and Prof. Y. Zhang

MECHANICAL ENGINEERING

Ahmed, Zakia
An Invariant Extended Kalman Filter for Indirect Wind Estimation Using a Small, Fixed-Wing Uncrewed Aerial Vehicle
   Committee Chair: Prof. C. A. Woolsey

Alenezi, Abdulrahman Obaid
Optimizing the Variability in the Deformation of a Biomimetic Pinna
   Committee Chair: Prof. R. Mueller

Ansari, Rohaya
Reduced-order Adaptive Output Predictor for a Class of Uncertain Dynamical Systems: Application to EEG-Based Control of Working Memory
   Committee Chair: Prof. A. Leonessa

Beiter, Benjamin Christopher
Multi-Objective Control for Physical and Cognitive Human-Exoskeleton Interaction
   Committee Chair: Prof. A. Leonessa and Prof. D. Srinivasan

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

Ding, Ning
Teleoperation System for Autonomous Vehicle
   Committee Chair: Prof. A. Eskandarian

Eyegethereme, Ndidi Lilyann
Scalable Synthetic Trees for Transpiration-Powered Hydraulic Systems
   Committee Chair: Prof. J. B. Boreyko

Kakou, Paul-Camille
Simultaneous Vibration Control and Energy Harvesting of Nonlinear Systems Applied to Power Lines
   Committee Chair: Prof. O. Barry

Kim, Troy Jaisohn
An Interdisciplinary and Probabilistic Treatment of Contemporary Highway Design Standards
   Committee Chair: Prof. J. B. Ferris

Liu, Sheng
Optimization and Supervised Machine Learning Methods for Inverse Design of Cellular Mechanical Metamaterials
   Committee Chair: Prof. P. Acar

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

Manjiangkarani Giridharan, Ashwin Kumar
Investigation of Supersonic Jet Noise at Afterburner Conditions
   Committee Chair: Prof. J. Meadows

Mehr, Goodarz
Cooperative Perception for Connected Vehicles
   Committee Chair: Prof. A. Eskandarian

Noparast, Soheyl
Experimental and Numerical Investigation of Steady-state and Transient Ultrasound Directed Self-assembly of Spherical Particles in a Viscous Medium
   Committee Chair: Prof. B. Raeymaekers
Sallam, Ahmed
Multi-functional Holographic Acoustic Lenses for Modulating Low- to High-Intensity Focused Ultrasound
Committee Chair: Prof. S. Shahab

Shenvi, Mohit Nitin
Compacted Snow Testing Methodology and Instrumentation
Committee Chair: Prof. C. Sandu and Prof. C. D. Untaroiu

Sivashangaran, Shathushan
Autonomous Mobile Robot Navigation in Dynamic Real-World Environments Without Maps With Zero-Shot Deep Reinforcement Learning
Committee Chair: Prof. A. Eskandarian

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

Verulkar, Adwait Dhananjay
Optimal Design and Control of Multibody Systems with Friction
Committee Chair: Prof. C. Sandu and Prof. A. Sandu

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

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

NUCLEAR ENGINEERING
Park, Jaewoo
Studies on Molten Salt Fuels: Properties, Purification, and Materials Degradation
Committee Chair: Prof. J. Zhang

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
COUNSELOR EDUCATION
Heasley, Christian Daniel
Rural Student Career Development: Examining Between-Group Differences in Self-Efficacy and Outcome Expectation
Committee Chair: Prof. T. O. Grimes

Loury, Jacoby
This Is How We Do It: Black Counselor Educators Preparing CITs to Broach Race
Committee Chair: Prof. T. O. Grimes

CURRICULUM AND INSTRUCTION
Adeneye, Gabriel Oluwatosin
Instructional Design and Technology Through the Years: A Bibliometric Analysis of Educational Technology Research and Development (ETR&D) Journal
Committee Chair: Prof. B. B. Lockee and Prof. G. A. Holmes

Alghamdi, Bushra Abdulkarim
Guidelines for Informed Instructional Strategy Selection in Online Higher Education: A Design and Development Research
Committee Chair: Prof. B. B. Lockee
Asante, Douglas  
Rapid Instructional Design for Emergency Remote Teaching in Higher Education  
Committee Chair: Prof. K. R. Potter

Cox, Larry Alenda  
Development and Evaluation of a Tool to Reduce Novice Designer Uncertainty when Developing Instructional Materials  
Committee Chair: Prof. B. B. Lockee

Engelhardt, Mason Robert  
Feedback in Digital Game-Based Learning (DGBL): Influencing Students' Self-Efficacy & Motivation  
Committee Chair: Prof. P. E. Doolittle and Prof. D. J. Fortune

Greene, Clark  
Perceptions of Technology/Engineering Education Influence on Integrated STEM Teaching and Learning  
Committee Chair: Prof. J. G. Wells

Jackson, Janelle Torree Harden  
The Engineering Identity Development of Department of the Air Force Women of Color Developmental Engineers  
Committee Chair: Prof. B. D. Bowen

Maguire, Jennifer Lynn  
A Proof-of-Concept Study in the Development of an Observation Protocol Based on Science and Engineering Practices  
Committee Chair: Prof. N. E. Bodenhorn and Prof. N. L. Ferand

Mitchell, Anza Laquetta  
An Examination of High School Teachers' Experiences with STEAM Curriculum Implementation  
Committee Chair: Prof. M. Pratt

Whitten, Clint Davis  
Identity and Place: Exploring the Complexities Between Rural Education, Community, and Queerness  
Committee Chair: Prof. A. P. Azano

Young, Tabitha Smithson  
Level of Workplace Readiness Skills When Entering the Workplace as Perceived by Employers and Recent High School Graduates  
Committee Chair: Prof. N. L. Ferand

**EDUCATIONAL LEADERSHIP AND POLICY STUDIES**

Alwadi, Abdulmohsen  
Teacher Participation in Decision Making and its Relationship to Job Satisfaction in Middle Schools in Riyadh, Saudi Arabia  
Committee Chair: Prof. M. D. Alexander

**EDUCATIONAL RESEARCH AND EVALUATION**

Lawrence, Kacy  
A Multilevel Analysis to Examine Interdisciplinary Research Experience Among Doctoral Graduates and Its Effect on Career Outcomes  
Committee Chair: Prof. D. J. Kniola

**HIGHER EDUCATION**

Adams, Venice Marie  
(Mis)communicating Postsecondary Opportunities Through Diploma Pathways: A Content Analysis of Louisiana Public High School Websites  
Committee Chair: Prof. C. K. Robbins

Bluestein, Thomas Martin  
Title IX Coordinators: Good People Doing Good Work Under Impossible Expectations  
Committee Chair: Prof. D. J. Catalano
Erwin, Abbey Rowe  
Unrealistic Expectations: A Qualitative Study Exploring the Lived Experiences of Former Campus-Based Fraternity/Sorority Advisors  
Committee Chair: Prof. C. K. Robbins

HUMAN DEVELOPMENT

Gupta, Shivangi  
Indian Wives of Incarcerated Men Tell Their Stories: An Intersectional Narrative Analysis of Disenfranchisement and Resilience  
Committee Chair: Prof. C. Sanner

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

Harmony, Xavier Joshua  
Essays in Transportation and Electoral Politics  
Committee Chair: Prof. R. Buehler

Katolin, Dennis William  
Adaptation to the Information Environment  
Committee Chair: Prof. J. Peters

Netto, Brett Raymond  
Defeated Great Powers: The Effects of a Successful or Unsuccessful Reintegration into the Great Powers Club  
Committee Chair: Prof. I. Stivachtis

PUBLIC ADMINISTRATION/PUBLIC AFFAIRS

Alshenaifi, Abdulilah Abdullah M.  
Examining the Impact of Human Resource Management (HRM) on Telework Participation Among US Federal Employees  
Committee Chair: Prof. M. M. Dull

Boyette, Charity Lynne  
Career Public-Sector Employee Attitudes About Political Appointments: A Study of the U.S. Department of State  
Committee Chair: Prof. M. M. Dull

Ingram, Laura Maria  
Fairness in Dispute: Understanding the Principles of Equity, Equality, and Reciprocity in Federal Procurement Contracting  
Committee Chair: Prof. L. S. Jensen

Qi, Meng  
Leveraging Street View and Remote Sensing Imagery to Enhance Air Quality Modeling Through Computer Vision and Machine Learning  
Committee Chair: Prof. S. C. Hankey, Jr.

Seo, Hye-Jeong  
Unleash the Power of Information and Data for the Risk Society: Environmental Risks, Leverage of Scientific Information and Data, and Mediated Communication  
Committee Chair: Prof. T. E. Schenk

Xie, Ruixiang  
Policy Diffusion in U.S. Hazard Mitigation Planning: An Intergovernmental Perspective  
Committee Chair: Prof. P. S. Roberts and Prof. Y. Zhang
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

McDonald, Todd Allen  
"The Veteran Problem"?: The American WWII Veteran  
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

Ray, Yolanda Y.  
How Secretaries of State Shaped U. S. One China Policy  
Committee Chair: Prof. K. M. Hult and Prof. M. M. Dull

Sogodogo, Amady Tiecoura  
Cultivating Professional Meaning and Organizational Commitment: Frontline Nurses' Stories About Peer Support  
Committee Chair: Prof. M. M. Dull

Robertson, Chloe Jade  
Navigating the Legal Constraints of Being a Nonimmigrant: A Study of the Technical Communication Challenges for International Graduate Students in the United States  
Committee Chair: Prof. K. E. Pender and Prof. C. Commer

SCIENCE AND TECHNOLOGY STUDIES

Leff, Jack Rance  
An Alchemy of Smoke and Flame: The Politics of Tear Gas Use Against Social Movements in the United States  
Committee Chair: Prof. R. Hester

Sattler, Meredith Jaye  
Constructing an Anthropocene: Organizing Life Through Logics of Enclosure at Biosphere 2, 1984 - 1994  
Committee Chair: Prof. J. E. Abbate

SOCIAL, POLITICAL, ETHICAL, AND CULTURAL THOUGHT

Beckenhauer, Samuel Brian  
The Politics of Conspiracy Theory and Control: Cybernetic Governmentality and the Scripted Political  
Committee Chair: Prof. F. Debrix

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

Brimmer, Casey Anne  
Creating a Pedagogy of the Full Self: Being and Inviting Full Selves Into Academia  
Committee Chair: Prof. K. Queen

RHE TORIC AND WRITING

Ganguly, Priyanka  
Committee Chair: Prof. K. E. Pender and Prof. J. M. Gerdes
Byg, Reed Lauren
Political Ecologies of Encounter: Mapping Enclosures and Disruptions in Food Access
Committee Chair: Prof. M. J. Caraccioli

Glasson, Hannah Gray
Political Applications of Systems Theory in the Twentieth Century: From Cybernetic Control to Spontaneous Emergence
Committee Chair: Prof. M. J. Caraccioli

Jones, June Ann
The Peasant and the Farmer: (Re)Constituting Settler Colonialism and Capitalist Relations in the US Imaginary
Committee Chair: Prof. T. W. Luke and Prof. B. S. Gill

Ramnath, Leah A.
Cynical Futurities: A Critical Methodological Intervention Toward a Cynical Geography
Committee Chair: Prof. A. N. Baldwin and Prof. B. S. Gill

Shajahan, Muhammed Shah
The Brahmin Problem: Charity, Expenditure and the Genealogy of Sovereignty in Travancore
Committee Chair: Prof. R. M. Scott

Tepper, Madison Jeanette
Synthetic Solidarities: Theorizing Queer Affectivity and Trans*national/temporal Emulsification as Embodied Resistance to Global Capitalism
Committee Chair: Prof. C. Labuski and Prof. M. J. Caraccioli

**COLLEGE OF NATURAL RESOURCES & ENVIRONMENT**

**FISHERIES AND WILDLIFE**

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

Alves Pereira, Luciana
Migration and Growth Ecology of Pseudoplatystoma Fasciatum in the Amazon Basin
Committee Chair: Prof. E. M. Hallerman and Prof. L. Castello

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

**FORESTRY AND FOREST PRODUCTS**

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

Corline, Nicholas John
Physical and Biological Drivers of Wetland Landscape Biogeochemistry
Committee Chair: Prof. D. L. McLaughlin
Freeman, James William
Determinants of Success in Group Work
Settings in Federal Natural Resource Recreation Management
Committee Chair: Prof. M. G. Sorice

Lovely, Belladini
Development of Cellulose-Titanium Dioxide-Porphyrin Nanocomposite Films with High-barrier, UV-blocking, and Visible Light-Responsive Antimicrobial Features
Committee Chair: Prof. Y. T. Kim

**COLLEGE OF SCIENCE**

**BIOLOGICAL SCIENCES**

Bueren, Emma Kathryn Rose
Viruses in Host-associated Systems: Characterizing Bacteriophages in Honey Bee Gut and Amphibian Skin Microbiomes
Committee Chair: Prof. L. K. Belden

Burt, Melissa Ann
Global Change Effects on Ant-mediated Seed Dispersal
Committee Chair: Prof. S. Whitehead

Esteves, Nathaniel Carlos
The Interplay Between Pathogenic Bacteria and Bacteriophage Chi: New Directions in Motility and Phage-host Interactions in Enterobacterales
Committee Chair: Prof. B. Scharf

Gelambi Desiato, Mariana
Fruit Chemical Traits Shape Bat Nutritional Ecology: From Basic Science to Applications
Committee Chair: Prof. S. Whitehead

**CHEMISTRY**

Chinn, Abigail Frances
Synthesis and Applications of Polysaccharide-Based Materials Using N-Thiocarboxyanhydrides and Polypeptides
Committee Chair: Prof. J. Matson

Dunnavant, Kyle Jacob
Improving Potency and Oral Bioavailability of Spinster Homolog 2 (Spns2) Inhibitor: A Structure-Activity Relationship Study
Committee Chair: Prof. W. Santos

Shrader, Christopher Wayne
Developing Sphingosine-1-Phosphate (Spns2) Inhibitors for the Treatment of Multiple Sclerosis
Committee Chair: Prof. W. Santos

Slattery, Samuel Alexander
From Hartree Product to Kohn-Sham and Beyond: Exploring Self-Interaction in Self-Consistent Field Methods
Committee Chair: Prof. E. F. Valeyev

Gregory, Casey L
Effects of the Antibiotic Tetracycline on the Honey Bee Gut Microbiome
Committee Chair: Prof. L. K. Belden

Grimaudo, Alexander Thomas
Exploring the Drivers and Consequences of Emerging Infectious Disease of Wildlife
Committee Chair: Prof. K. E. Langwig

Lewis, Abigail Sara Larson
Oxygen Dynamics in the Bottom Waters of Lakes: Understanding the Past to Predict the Future
Committee Chair: Prof. C. C. Carey

Roach, Tiffany Grace
Molecular Mechanisms of TOM1-mediated Protein Trafficking in Health and Disease
Committee Chair: Prof. D. G. Capelluto
Zheng, Yi
Electric Fields: A Metric for Molecular-level Understanding of Protein Mechanisms
Committee Chair: Prof. V. Welborn

**ECONOMICS, SCIENCE**
Bradley, Austin Edward
Three Essays in Experimental Economics
Committee Chair: Prof. S. B. Ball and Prof. A. C. Smith
Chan, Chao Hung
Three Papers on Belief Updating and Its Applications
Committee Chair: Prof. S. Sarangi

**GEOSCIENCES**
Jeffries, Catherine Renae
Model Development and Monte-Carlo Methods for the Simulation and Analysis of Coastal Impacts of Barrier Island Breach During Hurricanes
Committee Chair: Prof. R. Weiss
Kang, Junyao
Geochemical Investigation of the Co-evolution of Life and Environment During the Neoproterozoic Era
Committee Chair: Prof. S. Xiao
Lee, Jui-Chi
Novel Multitemporal Synthetic Aperture Radar Interferometry Algorithms and Models Applied on Managed Aquifer Recharge and Fault Creep
Committee Chair: Prof. M. Shirzaei

**MATHEMATICS**
Heitzman-Breen, Nora Grace
Within Host and Multiscale Models of Usutu and SARS-CoV-2 Viral Infections with Animal Hosts
Committee Chair: Prof. M. S. Ciupe
Jiang, Shuai
Dual Filtered Graphs for Kac-Moody Algebras
Committee Chair: Prof. M. M. Shimozono
Meghaichi, Haroun
Design and Analysis of Higher-Order Immersed Finite Element Methods for Interface Problems
Committee Chair: Prof. T. Lin and Prof. S. Adjerid
Quinlan, Isis
A Novel Insertion Algorithm
Committee Chair: Prof. M. M. Shimozono
Shaplin, Richard Martin
Simple Stationary Steps in Quantum Walks
Committee Chair: Prof. D. D. Orr

**NEUROSCIENCE**
Arndt, Kaiser C.
Granular Retrosplenial Cortex Layer 2/3 Generates High-frequency Oscillation Events Coupled with Hippocampal Sharp-wave Ripples and Str. LM High Gamma
Committee Chair: Prof. D. F. English
Gilbert, Earl Thomas
Inhibition, Synapses, and Spike-Timing: Identification and Disruption of Pyramidal Cell-interneuron Interactions in SPW-Rs
Committee Chair: Prof. D. F. English
**PHYSICS**

Ekanger, Nicholas Joseph  
Nuclear and Particle Interactions to Multimessenger Signals: Core-collapse Supernovae  
Committee Chair: Prof. S. Horiuchi

Heston, Sean MacDonald  
Core-collapse Supernovae: Neutrino-dark Matter Phenomenology and Probes of Internal Physics  
Committee Chair: Prof. S. Horiuchi

Sharma, Vivek  
Search for Baryon Number Violation in 130Te with Cuore  
Committee Chair: Prof. T. O'Donnell

Swailem, Mohamed  
Aspects of Population Dynamics  
Committee Chair: Prof. U. C. Tauber

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

**Dike, Janey Elizabeth**  
Experiences of Stress, Trauma, and Coping Among Black Communities in Southwest Virginia  
Committee Chair: Prof. R. T. Jones and Prof. B. H. Scarpa-Friedman

**Fok, Megan**  
Autonomic Nervous System Correlates of Emotion Regulation in Autistic Adults  
Committee Chair: Prof. A. Scarpa-Friedman

**Phillips, Jennifer Julia**  
The Maternal Force Awakens Emerging Fear Reactivity and Regulation: Preliminary Results From the Baby JEDI Study  
Committee Chair: Prof. M. Bell

**PSYCHOLOGY**

Bertollo, Jennifer Rose  
Committee Chair: Prof. A. Scarpa-Friedman

Carlton-Smith, Corinne Nicole  
Characterizing Reward Function During Social Feedback: Associations with Anhedonia in Socially Anxious Adolescents  
Committee Chair: Prof. J. A. Richey

**STATISTICS**

Shin, Hwasoo  
Bayesian Factor Models for Clustering and Spatiotemporal Analysis  
Committee Chair: Prof. M. A. Ferreira

Xu, Shuangshuang  
Variable Selection for Generalized Linear Mixed Models and Non-Gaussian Genome-wide Associated Study Data  
Committee Chair: Prof. M. A. Ferreira
THE VIRGINIA-MARYLAND COLLEGE OF VETERINARY MEDICINE

BIOMEDICAL & VETERINARY SCIENCES

Mills, Jatia
Influence of Peripheral-derived Eph-Ephrin Activation on Resident Microglial Mediation of Traumatic Brain Injury
Committee Chair: Prof. M. H. Theus

Rai, Pallavi
Intersecting Threats: Exploring Obesity’s Impact on Viral Pathogenesis and Transmission
Committee Chair: Prof. J. D. Weger, Jr.

Trusiano, Briana Lynn
NF-κB Inducing Kinase (NIK) Influences Eosinophil Development, Survival, and Plasticity
Committee Chair: Prof. K. L. Zimmerman and Prof. I. C. Allen

Xu, Dao
HDAC6 Deletion Decreases Pristane-Induced Inflammation and Lupus
Committee Chair: Prof. C. M. Reilly and Prof. X. Luo

INTERDISCIPLINARY DEGREES

MACROMOLECULAR SCIENCE AND ENGINEERING

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

Godshall, Garrett Francis
Rational Design of Poly(phenylene sulfide) Aerogels Through Precision Processing
Committee Chair: Prof. R. B. Moore III

Liu, Yang
Accelerated Engineering of Soft Materials Using Sensor-based High-Throughput Experimentation
Committee Chair: Prof. B. Johnson

Pomatto, Michelle Elizabeth
Crystallization Behavior, Tailored Microstructure, and Structure-Property Relationships of Poly(Ether Ketone Ketone) and Polyolefins
Committee Chair: Prof. R. B. Moore III

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH

Adams, William Patrick
Novel Factors that Modulate Cardiac Conduction
Committee Chair: Prof. S. Poelzing

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

Howard, Kristen Renee
High Levels of Total Energy Expenditure in Ultra-Endurance Athletes: Is There Evidence for Constraint?
Committee Chair: Prof. K. P. Davy

Ivester, Hannah Marie
Characterization of Pro- and Anti-inflammatory Immune Responses in SARS-CoV-2 Infection
Committee Chair: Prof. I. C. Allen
Mironovova, Zuzana  
Induced Hypoxia Pathway Dysfunction Alters Kidney Vascular Molecular Signatures and Extracellular Matrix Accumulation Without Apparent Fibrotic Transformation  
Committee Chair: Prof. J. C. Chappell

Wheeler, Christina Eileen  
Mechanisms of Intercellular Communication During Breast Cancer Progression Through Metastasis  
Committee Chair: Prof. S. Lamouille

Dubiel, Karen Lee  
The Initial Steps a Planning Principal Takes to Open a New Plus One Elementary School  
Committee Chair: Prof. C. S. Cash

Flanagan, Amanda Grace  
An Investigation into the Psychological Capital of Second-Career Teachers and Factors Influencing Their Scores  
Committee Chair: Prof. C. A. Mullen

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

Gavin, Matthew  
Why Special Educators Stay: A Phenomenological Examination of Factors Impacting Special Educator Retention in Virginia's Urban Public Schools  
Committee Chair: Prof. C. A. Mullen

Gervais, Erica Karcagi  
Committee Chair: Prof. C. S. Cash

Hall, Rebecca Bienvenue  
How Professional Development Supported Principals as Instructional Leaders Within Two School Divisions in Virginia: A Qualitative Investigation  
Committee Chair: Prof. C. A. Mullen

Langstein, Hanna Beth Preizler  
Honors-for-All: The Effect of Detracking on Teachers' Beliefs and Pedagogy  
Committee Chair: Prof. M. D. Alexander
Marbury, Kristen Renee
Training and Preparedness of Teachers to be Evaluated on Culturally Responsive Practices in One Public School Division in Virginia
Committee Chair: Prof. C. S. Cash

Pacer, Kelsey Ann
Supporting Teacher Peer Observations: A Qualitative Study of K-5 School Administrators' Associated Perceptions and Strategies
Committee Chair: Prof. C. A. Mullen

Preston, Rachel Davetta
Virginia Middle School Administrators' Perceptions of Culturally Responsive Teaching Practices and Their Influence on Instructional Leadership
Committee Chair: Prof. J. L. Brinkmann

Salley, Parcilla
The Perceptions of Teachers Regarding the Instructional Practices and School Leadership Supports that Contributed to High Algebra I Success Rates for Minority Students in Rural Schools
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Sned, Nicholas Lamar
The Academic Achievement of Instrumental Music Students vs. Non-Instrumental Music Students in One or More High Schools in the Commonwealth of Virginia
Committee Chair: Prof. C. S. Cash

Swogger, James Franklin
Instructional Coaching and Influences on Program Implementation by Elementary Principals and Instructional Coaches: A Qualitative Case Study
Committee Chair: Prof. C. S. Cash

Szybisty, Christopher Conrad
Online Credit Recovery in a Large School Division in Virginia: Examining Factors for Participation and On-Time Graduation
Committee Chair: Prof. C. L. Lowery

Tait, Kristin Marie
Perceptions of Middle School Counselors on Adolescent Anxiety Coping Skills Post-Pandemic
Committee Chair: Prof. J. L. Brinkmann

Thompson, Summerlyn Lotz
Investigating Relationships Among School Climate, Academic Growth, and Benchmark Achievement Within Elementary Schools in Virginia: A Quantitative Study
Committee Chair: Prof. C. A. Mullen

Warnick, Sarah Katherine
Leadership Experiences in State-Level Supplemental Virtual Programs: A Qualitative Case Study Analysis
Committee Chair: Prof. C. A. Mullen

Weymouth-German, Jessica Cluverius
School Board Decision Making About the Equitable Treatment of Transgender Students
Committee Chair: Prof. C. A. Mullen

Wheeler, Frank Thomas
An Examination of the Challenges Experienced by Novice Principals Leading Rural Schools in Virginia
Committee Chair: Prof. M. D. Alexander and Prof. C. S. Cash

Younger, Latrese D.
Examining the Experiences of Mentoring to Develop Current and Former Black Female Assistant Principals' Self-confidence and Leadership Skills
Committee Chair: Prof. M. D. Alexander
Education Specialist

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
CURRICULUM AND INSTRUCTION

Gompf, Meredith Lynn
Poindexter, Allison Hamilton
Taylor, Mary Caroline

EDUCATIONAL LEADERSHIP AND POLICY STUDIES

Duncan, Natalie Ann
Majors, Keyochia Mary Alberta
Persinger, Dylan Rian
Thompson, Ruth Shaia
MASTER’S DEGREES

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

MASTER OF SCIENCE

AGRICULTURAL AND APPLIED ECONOMICS

Batubo, Abiokpoyanam Peace
Bhatta, Dhiraj
Boldt, Noah Chase
Clark, Charles Taylor
Goncalves, Fernando Henrique
McKay, Evan Vicken
Wu, Isaac Ying-Nan

AGRICULTURAL AND LIFE SCIENCES

Amand, Reagen Elizabeth
Anderson, Rashonda Denise
Baiza Martinez, Pedro Antonio
Blackburn, Savanna Renee Lynn
Brown, Meghan Lorraine
Chewning, Carson Lee
Coggsdale, Peyton Alba
Harrison, Michael R.

Howard, Jaema Renee
Long, Frank
McClain, Elizabeth
Mengle, Julie Rebecca
Murie Jr., John Thomas
Murphy, Benjamin John
Nostrant, Valerie Nicole
Plass, Theresa Michelle
Score, Tiffany Josephine
Semione, Nisa
Thanawala, Kristen-Lee
Worrell, Zachery Alan

ANIMAL AND POULTRY SCIENCES

Baber, Taelor Xzavia
Boris, Samantha Marie
Butler, Alexis Katherine
Dillon, Meghan Elizabeth
Kroeger, Alexandra Faith
Madden, Christian Earl
Mitchell, Camille Ashlyn
Seligman, Lexie Camille
Wilson, Paige Nicole
CROP AND SOIL ENVIRONMENTAL SCIENCES
Poudel, Puspa Kamal
Poudel, Shikhar

HUMAN NUTRITION, FOODS AND EXERCISE
Leatham, Cheyenne Liahona

MASTER OF SCIENCE IN LIFE SCIENCES
AGRICULTURAL AND EXTENSION EDUCATION
Madden, Justice Makynzee
McGraw, Carolyn Marie

BIOCHEMISTRY
Briganti, Anthony Joseph
Brooks, Maxwell David
Diggs, Shajaesza Dhakhai
Dinh, Thuc Anh
Farrokhpoor, Sam
Fogarty, Rebekah Joy
Vanwinkle, Ashlynn Brook
Zhang, Liyan

ENTOMOLOGY
Dev, Saumik
Hartle, Charly Taryn
Hoar, Elijah Kael
Li, Guanchen
Wyatt, Mollie McDonnell

FOOD SCIENCE AND TECHNOLOGY
Mershon, Megan E.
Rosenbaum, Alyssa Anne

HORTICULTURE
Doss, Mitchell C.
Gandini Taveras, Ricardo Jose

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE
Subedi, Manoj

MASTER OF SCIENCE IN NUTRITION AND DIETETICS
Butler, Cassidy Kaitlyn
Colaneri, Josephine Judith
Kashin, Heather Marie
Krason, Reilly Kate
Martinetti, Julianna Rose
Smith, Blake Alexis
Whalen, Maret Grace
COLLEGE OF
ARCHITECTURE, ARTS,
AND DESIGN
MASTER OF ARCHITECTURE
Adhikari, Amrita
AlHajj, Rayane M.
Ali, Mohamed
Buttram, Ben E.
Cevallos, Gladys Lorena
Dize, Nicholas Paul
Easton IV, John
Freireich, Jenna Leigh
Hadkar, Aditi Anil
Hagberg, Megan Riley
Jami, Raj Kumar
Johnson, Graesen Elisabeth
Kedari, Bhairavi Nitin
Khojasteh far, Faraz
Kim, Na Hyun
Kos Miranda Furtado, Paula
Krueger, Garrett Oliver
Le, Kim
Lodha, Bhavika
Loeffler, Lincoln Webb
Mathur, Arushi
Mimma, Raihatul Zannah
Mistry, Nupur Shailesh
Moore, Talia Renee
Narvekar, Sanika Mahesh
Nazereih, Anahita
Palazzolo, Joseph Robert
Pednekar, Prathamesh Sunil
Peterson II, Thomas Mark
Plasencia, Jacob
Reddy, Aishwarya
Sang, Wenhui
Sangani, Devanshi Alpeshbhai
Shagul Hameed, Kamar Shafeeha
Srinivasan, Tharun Bhalaji
Suvarna, Rishabh Suresh
Torrico, Rachel Rose
Vargas Arias, Daniela
Villegas, Arianna Rosario
Wyss, Christine Louise
Zhang, Jitong

MASTER OF FINE ARTS
CREATIVE TECHNOLOGIES
Hammer, Sarah Christine
Li, Jiale
Okoro, Joshua Oghenekevwe
Pilania, Harshal
Thornton, Eva Marie

THEATRE ARTS

Henry, Gabrielle E.
Mzumara, Misheck Rumbani
Pope, Ashley Nicole

MASTER OF LANDSCAPE ARCHITECTURE

Adams, Caitlin Brighid
Brighton-Smith, Chelsea
Xu, Bowen

MASTER OF SCIENCE ARCHITECTURE

Al Radaideh, Tamer Saleh
Hmoo, May
Khojasteh far, Faraz
Putta, Praneetha
Shah, Twishi Paresh
Shaver, Andrew Charles

PAMPLIN COLLEGE OF BUSINESS

MASTER OF ACCOUNTING AND INFORMATION SYSTEMS

Adkins, Lucas Eric
Alvarez, Nolan Kristopher
Anderson-Johnson, Jesse Graham
Badalamenti, Joseph Daniel
Boim, Justin David
Britten, Elizabeth Keilani
Butler, Isaiah Anthony
Chitty, Evelyn Elizabeth
Civil, Stephane Benoit
Cohn, Rebecca Leigh
Deller, Mitchell Steven
Duckworth Sr., Jacob Richard
Eachus, Elizabeth Bell
Farzayee, Mariam
Fish, Evan Anthony
Fitzpatrick, Emily Suzanne
Gonzalez, Veronica Paola
Gullapalli, Sahil
Guo, Catherine Meichen
Hardison, BriAnna Lynn
Henderson, Robert Joseph
Hobbs, Scott Hiroya
Jenkins, Allison Rae
Kaldes, Dillon Christian
Keesee, Kaitlin Colleen Horton
Logan, Andrea Reagan
Lopez, Diego
Luellen, Colin Andrew
Marting, Nicole Alyce
Mecherikunnel, Thomas Paul
Morsy, Hajer Ahmed
Nardo, Austin Gregory
Noto, Vincent Conrad
Pan, Shuangshuang
Pastirik, Ryan Michael
Pokuaa, Patricia Adwoa
Robertson, Dylan Andrew
Rodriguez, Salina Tai
Sarkar, Suchismita
Saunders, Kaitlin Belle
Sparks, Ziwei Zhang
Swecker, Kelly Brigid
Toth, Andrew Wade
Verma, Sanya
Wagstaff, James Patrick Tully
Walker, Trent
Waran, Jackson Lowery
Wilson, Kari Paige

**MASTER OF BUSINESS ADMINISTRATION**

Aboutabl, Abdulrahamn M.
Ansari, Nisha R.
Baniya, Allen
Barton, Allison Weise
Behal, Deepanshi
Bryer-Satkin, Tzipporah Hope
Call, Phillip Frederick
Carey, Dena Lee
Castellanos, Bernardo Antonio
Cifuentes, Stephanie Murillo
Cline, Zachary
Din, Christopher Emsan
Finkner, Alejandro Jose
Fordney, Katherine Nelson
Gavva, Shravya
Ghaznawi, Ahsanullah
Goncalves dos Santos, Catherina Medaglia
Hathaway II, William Emmett-Kyle
Hepp, Adam Edward
Hoffman, Claire Adele
Hubble, Matthew Daniel
Hughes, Jason Richard
Iyer, Hari
Jolly, Jeremy
Kavgic, Natalija
Kc, Ramita
Keles, Serhat
Kiefer, John Peter
Kim, Jae-Min
Lawrence-Montes, Shannon Marie
Lett, Jared Michael
McCart, Kevin
McClendon, Diamond Odester Britni
McDonnell II, Robert Scott
McVey, Tara Elizabeth
Pfeifer, Kiley Elisabeth
Platt, Olivia Ashley
Preusse, Ryan David
Rady, Mohammad Maged
Reese, Joshua Leonard
Sedita, Christian Joseph
Simmons, Cameron Alonndis
Stull, Zackary Ryan
Suh, Daniel L.
Sun, Elena Mihaela
Vogelsburg, Lexa
Waters, Benjamin Joseph
Whise, Natalie
Williams, Rhorie Alex Jean-Pierre
Yacob, Michael Yohannes
Yarboro, Justin
Zerolnick, Matthew Benjamin

MASTER OF SCIENCE
BUSINESS ADMINISTRATION

Alfadly, Monther Emad
Alfryyan, Reem
Aljasir, Majed Jaser N.
Alsubaie, Muslat M.
Aquino, Teresa Veronica
Deegan, Olivia Frances
Desai, Umang Rajeshbhai
France, Jackson Thomas
Gomez, Axel German Millon
Hawsawi, Nihal Mohammed
Herbert, Lillian Grace
Hyolmo, Karmu
Keaney, Mitchell Francis
Olsen, Logan Chance
Pan, Yinjie
Pratt, Katharine Elizabeth
Sonnenfeld, Jake Dylan
Walsh, Sean Patrick
Wanapongpaisarn, Nichapat
Zamora, Estephanie Regine

Imtiaz, Taha
Johnson, Benjamin Charles
Kaufman, Patrik Robert
Lee, Hung-Ting
Movalli, Kayleigh Elizabeth
Munipalle, Rushi Varun
Myakala, Deekshit
Nilakhe, Rajat Rahul
Patel, Tushar Jay
Qiao, Shuoxuan
Reyes, Matthew
Selvaraj, Mahita
Talty, Sheila M.
Yadav, Pratistha Mohan
Yang, Aaron

Lewis, Zabrina Roxanne
Munson, Isabella Marie
Salko, Helen Annabella

CHEMICAL ENGINEERING
Liu, Liping
Ramirez Isunza, Xakin Mariana

COMPUTER ENGINEERING
Aedo Espicto, Maximiliano Andres
Agarwal, Yashit B.
Cando Bojorque, Paola Alexandra
Difilippo, Aaron Pettit
Fellah, Sammy
Frutos, Christopher Mariano
Garcia, Andrew Brook
Hong, Calvin GiaVinh
Hsieh, Hsin Han

COMPUTER SCIENCE
AND APPLICATIONS
Adhikari, Aniket Sachin
Aggarwal, Ashish
Aggarwal, Ayush
An, Udom
Andrews III, George Bernard
Anuga, Ashita Reddy
Anwar, Habibullah
Arbaiza, Camila Rocio
Atkins Jr., Michael Gwin
Averyt, Matthew Bryant
Banka, Sindhuja
Bapat, Parth Bhalchandra
Bhargava, Anjali Vivek
Bhatti, Alina Sohail
Biagi, Shayne Hayato Yoshida
Brinson, Greg Sebastian
Chelle, Charan Teja
Chen, Guangkai
Chen, Julia
Chen, Tai-Jung
Chen, Yu-Jung
Chiu, Yung-Lin
Cho, Minho
Chopdekar, Nidhi
Chouhan, Dhruveel Lalit
Cinnamon, Matthew Robert
Conklin, Jacob Walter
Cook, Caleb James
Cunningham, Isabella Maxine
Deegoju, Sushma
Denman, William Storms
DiPerna, Vincent Zhang
Doddi, Harshit Sai Teja

Donlon, Matthew Thomas
Fan, Zhehao
Fang, Andrew James
Ferrin, Andrew Jacob
Gick, Ronin Jaden
Gilbert, Andrew Carter
Gonzalez-Aguilar, Elsa
Govindaraju, Rameshkumar
Greer, William Trent
Haas, Elyse Nicole
Hamilton, Mark Edwin Ken
Harrington, Matthew Adam
Jiang, Junzhe
Jimeno, Lawrence Elliot Maya
Johnson, Shalene
Joshi, Vivek Sanjay
Jung, Jin-sol
Juvekar, Shaunak Parag
Kakani, Seshadri Chowdary
Kamanuru, Mohith
Kambham, Naga Sekhar Reddy
Kandula, Manasa Reddy
Kim, Eunjee
Knutsen, Kirk McInnis
Kolachina, Siva sagar
Venkatreddygari, Hyndavi
Vithalani, Srujan Kalpeshbhai
Vustepalli, Mounisha
Wang, Junwen
West, Jonathan Robert Granados
Woodward, Elizabeth
Xu, Joseph
Zhang, Jiayi
Zhang, Qingsen

**ELECTRICAL ENGINEERING**

Brown, Ian Jordan
Hayes, Nathan Peter
Kanzi, Payam
Okhovvatgilani, Danial
Sreeram, Nirmala

**INDUSTRIAL AND SYSTEMS ENGINEERING**

Aggarwal, Ishan
Al rezq, Mohammed S.
Aparaj, Poorva Rajesh
Ba-Aoum, Mohammed H.
Bhaísvar, Yash Vinod
Bhandari, Jainish
Bhardwaj, Ritvik Manish

Collazo, Yahaira
Cooke, Sadie Victoria-Lynn
Freidouny, Mohammadreza
Garada, Mohammed Alaa
Guinee, Ryan Patrick
Isaza, Pablo Jose
Kadolkar, Rana Rajesh
Kalawade, Aditya Shrihari
Kulkarni, Anisha Mahesh
Lee, Hyunwoo
Liu, Ning-Yuan
Mauti, Eddah Kwamboka
Muchhala, Jash
Nassar, Marc Sami
Oh, Jinwoo
Olajide, Oluwademilade Olaoluwa
Paisker, Nicholas Christopher
Pichetpongsa, Anapat
Pletcher, Mary Claire
Pragada, Vivek Mansukh
Price, Kathryn Lee
Quinn, Kelsey
Qureshi, Arshaq Asif
Rahimimovassagh, Maryam
Sangwan, Ankit
Siverling, Matthew Erich
SureshKumar, Mayuranath
Taliyan, Siddhant
Tamizh Muthalvan, Kaveeya
Tanmai, Alaham
Ulunque Antezana, Rocio
Yanamala, Rusheeswar Reddy
Zambrano Balma, Francisco Xavier
Zhao, Bosong
Zuidema, Molly Catherine

MATERIALS SCIENCE
AND ENGINEERING
Emanuel, Caroline Jane
Jenkins, Aaron Michael
Mack, Charles Kevin
Rau, Advaith V.
Stivala, Sophia Rosemary
Wallace, William Asher

MECHANICAL ENGINEERING
Blackert IV, William Joseph
Kukoski, Mark George

MINING ENGINEERING
Corsi, Mitchell Fernando

Keesee, Christopher Ian

NUCLEAR ENGINEERING
Hosseinian, Mohsen
Shar, Las M.

MASTER OF SCIENCE
AEROSPACE ENGINEERING
Angle, Nicholas Blake
Binder, Paul Edward
Chang, Eric Gene
Chaphalkar, Aakash Santosh
Chen, Fangzhou
Chinthapatla, Neha
Clemmer, Jace Andrew
El Ghossein, Joe
Ganotaki, Michael
Golus, Christopher David
Hada, Masaki Hoekstra
Hower, Madeline Faith
Ifkovits, Michael David
Kerrick, Cason Matthew Patrick Rorer
Lavisetty, Cherith
Meland, Kristian Gilbert
Midas, Alex Matthew
Molitor, Rowan Larson
Munson Jr., Mark Allan
Natarajan, Kirubaharan
Newcomb, Steven David
Patel, Harshil Dipeshbhai
Patel, Pranay Vipul
Petrie, Morgan Lynne
Petsopoulos, Alexander Mathew
Piper, Benjamin Thomas
Porzeinski, Ryan William
Prajapati, Mahima Dinesh
Radcliffe, Benjamin David
Rathod, Dharmik Sanjay
Roberto, Joseph Troy
Schafer, Jordan Alexander
Segal, Brett Allen
Sellards, Emily Rose
Shrivastava, Shivam
Sindkar, Maanas Prasad
Smith, Casey Carter
Stanphill, Rose Taylor
Teolis, Samuel Ueda
Thornhill, Conner Joseph
Toth, Emeke Margit
Varga, Eszter Anna

Verma, Ved
Whalen, Sean Christopher
Wilhelm, Blake Alexander
Yan, Haoming
Zylich, Sean Cole

**BIOLOGICAL SYSTEMS**

**ENGINEERING**

Albi, Kate Nicole
Kurowski, Anna Rose
Smith, Tyler Camden

**BIOMEDICAL ENGINEERING**

Crump IV, Eugene Raymond
D’odoo, Neffisah Fadillah Naa Darkua
Damron, Julia Anne
Haynes, Samantha Dare
Henry, Alison Lohr
Hunt, Elizabeth Albright

**BUILDING/CONSTRUCTION**

**SCIENCE AND MANAGEMENT**

Akinniyi, Abiola Emmanuel
Fried, Simona Lily
Lee, Min Jae
Meiners, Zachary Luke
CHEMICAL ENGINEERING
Nour, Mohamed Imad Eldin

CIVIL ENGINEERING
Acharjee Jeet, Abhijeet
Agha, Syed Jawad
Ahmad, Mohammad Owais
Amin, Muskan Kirit
Askari, Shan Herish
Baishya, Ronit Raj
Belt, Kathryn Lanning
Bhalani, Kunj
Bhinsara, Akshil Bipin
Bhumireddy, Abhilash Reddy
Black, Christopher Andrew
Brown, Emily Claire
Clyde, Charlotte Joan
Delay, Lailee Alena
Fink, Schyler Elliott
Forster, Justice Dee
Gordon, Keneil Anthony
Grose, Megan Elizabeth
Grubbs, Robert Earl
Hallworth, Julia Beth
Hong, Dawei
Jamnik, Shravika
Katariya, Nikhil Nitin
Kelly-Durham, Min Lu
King, Amber
Konda, Vamsi
Kraus, Samuel Aloysius
Lacks, Joshua Lee
LaFerney, Rebekah Lee
Lee, Erin Aubrey
Mansky, Christopher Immanuel
Miller, Lucas Hayward
Momenian, Yasmin H.
Mousavinezhad Benam, Negin
Myers, Daniel Lloyd
Nalluru, Swaroop
Niradi, Vaishak
Oehler, Morgan Ashleigh
Padgett, Christian Byron
Park, Jeongwoo
Patil, Saurabh
Romero, Natalie Marie
S P, Niveda
Saji, Anna
Sasaki, Max Tobu
Schiller, Brayden Jeffery
Soto, Axel
Sukhavasi, Purna Chand
Tanim, Md Fardeen
Tsogt-Ochir, Norovbanzad
Vanam, Pratik Ravindra
Villalona, Chantaly
Webb, Margaret
Wieczorek, Nathan Vincent
Yang, Hang
Zekovic, Itana
Zheng, Botian
Zolfaghari, Armin

COMPUTER ENGINEERING
Agarwal, Shrestha Chetan
Agrawal, Raghav
Akhtar, Benjamin Asad
Allen, Evan Nathaniel
Amaraselvam, Benny Antony
Atreya, Tejas Keshavamurthy
Ayaluru Venkata Krishnan, Sruthi
Azmine, Muhammad Farhan
Badger, Madeline Victoria
Balamurali, Siddhesh
Baron-Hyppolite, Adrian Louis
Bettendorf, Isaac Tranmer
Bharadwaj, Sanjana Manjunath
Bhavandlapelli, Rakesh Kumar
Chandramouli Seetharam, Goutham
Chaturvedi, Ayush
Chen, David Xitai
Chiu, TingHung
Chuderewicz, Lauren Amelia
Deivasigamani, Sheena Rajamani
Dhingra, Mrigank
Di Girolamo, Jacob David
Diaz-Ramos, Jonathan
Downey, Alexander Roman
Gawali, Aditya Rajendra
Gopi, Hari Kumar
Harathi, Shreyas
Hardeep
Howell, Bryson L.loyd
Just, Hoang Anh
Kachhadiya, Jaimin Pravin
Kalidasan, Vishnu Kumar
Kasparian, Armen Caspar
Konatham, Pavan Kumar
Kuthe, Shambhavi Anil
Lin, Yen-Cheng
Mallu, Jaswanth Sai Reddy
Marathe, Akhilesh Parag
Mehta, Rohit Nilesh
Modak, Varun Nimish
Mukherjee, Rajarshi
Myers, Zymmorrah Zyccarri
Nguyen, Minh Tran Binh
Nwodo, Kenechukwu Anthony
Olds, Brennan Edson
Palani, Purushothaman
Panicker, Mathew Simon
Panja, Promit
Patel, Ishita Bharatbhai
Patil, Sarvesh Jitendra
Platt, Robert Davis
Ramakrishnapuram Selvanathan, Subhalakshmi
Ranjan, Pranjal
Ravi, Amartya
Sarkar, Md Rubel
Sathye, Rohit Pushkaraj
Sel, Bilgehan
Sethi, Sanchit
Sharma, Gauri
Sherikar, Keerthana
Sivaramakrishnan, Upasana
Somaraju, Sai Roop
Sreng, Chhayly
Steel, Gwyneth Carrie
Stelmac, Maxwell Asher
Stover, Daniel James
Syed, Siraj Ahamed
Venkatachala Moorthy, Shri Sarvesh
Venkatesh Rao, Sunil
Wadhavkar, Nitish Vinit
Zeng, Yingyan
Zhang, Xuanming

COMPUTER SCIENCE AND APPLICATIONS

Ahmed, Shafayat
Altland, Emily Caroline
Annavarapu, Swetha
Bansal, Akshay
Bose, Dibyendu Brinto
Cheng, Xiang
Chinnareddy, Sandeep
Dey, Saikat
Haldankar, Atharva Amit
Haltiwanger, Jacob Sayid
Kabir, Md Mahir Asef
Khalid, Shawal
Kharel, Amun
Kong, Nicholas Ka-Shing
Kyer, Michael Alexander
Lane, Logan T.
Lee, Cho Ting
Lin, Jiayue
Lu, Yi
Mahat, Maheep
Mhatre, Sakshi Manish
Mohan, Ankith
Mondal, Provakar
Nguyen, Kiet Anh
Palamarchuk, Daniel Andrew
Ramanujan, Ramaraja
Ranjan, Rishi
Sahu, Raj
Shukla, Anmol
Smokowski, Cesar James
Song, Haoqiu
Tang, Chia-Wei
Torres Molina, Richard Andres
Vargas Diaz, Daniel Alfredo
Williams, Lemara Faith

Zhou, Xiaona

ELECTRICAL ENGINEERING

Alam, Md Tabish
Alexander, Brady Steven
Ashraf, Haris Bin
Bai, Yitao
Blankenship, David Edward
Bora, Trisha
Chai, Mingzhao
Chang, Ashley
Chen, Xingyu
Dhulla, Sanjana Sanjay
Dixit, Vishal Sateesh
Franco-Argueta, Luis Daniel
Gautam, Suiksha
Ghag, Nitin Vijay
Gokhale, Sudhanva Jaydeep
Gorinta, Akash Varma
Gyamfi, Cliff Oduro
Jaishanker, Abhinav
Kaundanya, Adwait Anand
Khatun, Aklima
Khursheed, Shahwar Atiq
Korada, Divya Tarana
Krishnan Potty, Sreenath
Kshirsagar, Soha Milind
Kulkarni, Rishikesh Nitin
Lohote, Mansi Vijay
Longest, Dylan Henry
Moon, Heejip
Nassar, Rajaie
Negus, Claire Emily
Paralkar, Harshada Bhagwan
Rao, Aditya
Schutz, Zachary Alexander
Stewart, Evan Wayne
Tajik Hesarkuchak, Saeed
Xu, Yuezhong
Yip, Alec Johnathan
Yu, Xipei

ENGINEERING MECHANICS

Dingelstedt, Kristin J.
Neigh, Thomas Alexander
Paradise, John Michael
Zelaya Solano, Hever Jonathan

ENVIRONMENTAL ENGINEERING

Bachmann, Megan Leigh

ENVIRONMENTAL SCIENCES AND ENGINEERING

Mendoza, Kent Gregory
Scott, Katherine Denise

INDUSTRIAL AND SYSTEMS ENGINEERING

Chen, Tai-Jung
Gopal, Ajit Ayyadurai
Holister, Mark Andrew
Iyer, Arjun
Luksas, John Peter
Morris, Michelle Ann
Thiyagarajan, Prithivrajan

MATERIALS SCIENCE AND ENGINEERING

Adelmann, Joshua Thomas
Boshkovski, Filip
Dejneka, Zachary Bryce
Kalil, Andrew Jeffrey
MECHANICAL ENGINEERING

Abadilla, Audrey Lynn
Adams, Caleb Jeremiah
Albacarys, Daniel Alexander
Bailey, Brent Adam
Bhalerao, Mrunal Vinay
Burke, Brandon Christopher
Christie, Benjamin Alexander
Colon, Camryn Luz
Du, Xuelai
Elashwah, Ahmed A.
George, Edwin Subin
Hall, Lauren Elizabeth
Hoegerman, Joshua Thomas
Hollar, Reagan Tracy
Hosseinian, Mohsen
Jayasooriya, Don Cyril Prathap Vishwanath
Kaisare, Shubhankar Sudesh
Kamal, Mohammad Adel
Kanuparthi, Jaigeeshavya S.
Karambor Chakravarty, Sriya
Kelley, Logan Chaney
Konda Ram Kumar, Ram Suraj
Kramer, Samuel Leonard
Lenderink, Corbin Robert
Lin, Yushu
Liu, Renrui
Long, Matthew Thomas
Mergler, Kyle Alexander
Mullen, Scott William
Pennington, Brett Kenneth
Pieroni, Brandon Scott
Ravichandran, Nikhil
Rentsch, Nicholas Russell
Roush, Allison Granfield
Ryan, Alexander Grant
Saha, Geetam
Scurlock, Brian Patrick
Shailly, Ritish
Shorten, Brock Alexander
Shrikanthan, Sudarshan
Sreeari, Seetharam Krishnapuram
Srivastava, Chhayanka
Stoll, Florian Lucas Julian
Thamarai Kannan, Harish Kumar
Trevisan, Spencer Dunn
Tyler, Adam Anthony Murphrey
Umama Martinez, Melida Eunice
Wang, WeiHang
Wojciechowsk, Shannon
Wotton, Heather Dawn

MINING ENGINEERING
Sweeney, Daniel Joseph
Talapatra, Akash

NUCLEAR ENGINEERING
Cohn, Ayden Seth

OCEAN ENGINEERING
Bonsall, Jaxson Todd
Duval, James Louis
Johansson, Oscar
Oliver, Michio J.
Van Erem, Robert John
Walsh, Michael Joseph

SYSTEMS ENGINEERING
Bishop, Robert Joseph
Hawrysiko, Gregory Michael
Underwood, Erick Martin

COLLEGE OF LIBERAL ARTS
& HUMAN SCIENCES

MASTER OF ARTS

ENGLISH
Ballowe, Hannah Marie
Boyer, Elizabeth Ann
Goins, Erin Olivia
Pollard, Carter Mears
Stewart, Evan Patrick

FOREIGN LANGUAGES, CULTURES,
AND LITERATURES
Baiza, Glorimar Stefania
Burton, Amy Bennett
Hernandez Melendez, Jose Marlon
Hunter, Erin Michele

HISTORY
Evans, Bailey
Harless, Kaitlynn Jean Marie
Kimball, Jared Chase
Lucas, Julia
Okoe, Jonathan
Pfeifer, Timothy Wesley
Renner, Elizabeth Agnes
MATERIAL CULTURE AND PUBLIC HUMANITIES

Applebaum, Micaela
Atallah, Grace Elizabeth
Hunkele, Gabrielle Frances
Patrick, Cara Rose
Penven, Savannah Kate
Perez Vera, Violeta Estefania

PHILOSOPHY

Adine, Soheil
Cantu, Luis
Li, Dexin
O'Leary, Aisling FitzGerald

POLITICAL SCIENCE

Devault, Marya Katherynn
Erickson, Landon Guy
Hammond, Erin Elizabeth
Henry, Justin Lee
Nolen, Heather Linkous
Schlitzer, Abigail Augusta

MASTER OF ARTS IN COMMUNICATION

Giron, Veronica Isabel
Lane, Taylor
Travis, Tasia

REPUTATION MANAGEMENT

Adkins, Andrew G.
Adkins, Katelin Alexanderia
Ailor, Rory McEwan
Denenberg, Evina Vitella
Moyer, Olivia Rae
Renz, Katelynn
Verdin, Nicole Elizabeth
Zipfel, Autumn Elizabeth

MASTER OF ARTS IN EDUCATION

Banks, Sarah Ruth
Billy, Chloe Elizabeth
Blank, Morgan Taylor
Boyd, Lisa Marie
Chappell, Lashelle Snyder
Fontaine, Haley Grace
Hoak, Alexis Lynne
Hoban, Ian G.          Cannizzaro, Christopher James
Jensen, Elise Kathryn  Chase, Josie Marie
Kaiser, Paige          Choi, Michelle Myeong
Keyser, Kendall Morgan Crosier, Alexa Nichole
Krens, Alexandra Jane  Doan, Bailey Elaine
Lamprinakos, Maya Renee Evans, Jenna Sandra
Leao, Kalei Kai        Ferguson, Laura Anne
Lloyd, Katelyn Dawn    Friedner, Patrick
Prisaznick, Brittany Nicole Gavin, Camille Clark
Smith, Shannon Kathleen Gentry, Peyton Avery
St. Clair, Laura Jane  Gilbert, Madison Ann
Tait, Mary Katherine McNally Gill, Jeffery Ronald
                      Graham, Annabell Wheeler
                      Gurley, Journey Brooke
                      Hampton, Julian A.
                      Han, Lucy Ye Jin
                      Herdegen, Lisa Ann
                      Hetrick, Griffin
                      Homoroc, Matthew Christopher
                      Jernigan, Maria Louisa
                      Jiao, Yanan
                      Jones, Bobbie
                      Kasmarek, Natalie Michelle
                      Keeling, Vincent Raysohn
                      Kim, Kyungwon
King, Cayla Nicole
Kitley, Elizabeth Ann
Kraemer, Amanda Lynn
Mangual Duran, Leandra Sofia
Mata, Rosa Angelica
Matney, Hannah Nicole
McConville, Megan Kelly
Mengle, Julie Rebecca
Mercer, Meghan Louise
Mewborn, Emma Page Custis
Miller, Stephanie Anne
Minnick, Alexis Nicole
Moore, Raley Marie
Murphy, Abigail Grace
Newton, Alexander Walter
Null, Erin Elayne
O’Malley, Geoffrey Santiago
Oelkers, Elizabeth Brinser
Osiseko, Whitney Adenrele Morayo
Peterson, Elizabeth Evelyn
Pyles, Cierra Jenyce
Rabe, Joseph Alexander
Reynolds, Devon
Ryu, Kaitlin Lee
Schrant, Allison Grace

Shin, Minah
Smith, Jason Andrew
Summiel, Olivia
Surry, Marlee Ann
Tekampe, Matthew Louis
Thompson, Morgan Michelle
Turner, Daniel Michael
Vasquez, Caroline Michelle
Warter, Meredith Jean
White, Carmen Lynn
Wilson, Ana Greer
Woo, Amanda Nicole

EDUCATIONAL LEADERSHIP AND POLICY STUDIES
Lunger, Robert Clarkson
Tierney, Sarah Lynn

HIGHER EDUCATION AND STUDENT AFFAIRS
King, Jennings Bryant
Leon-Ledezma, Valentina
Pardo Jr., Hector
Sims, Jenna Leigh
Sosa, Kasee Gutierrez
Tulipano, Deziree Michele

MASTER OF FINE ARTS
CREATIVE WRITING
Aitken, Ruth Elizabeth
Fischer, Mary
Fuoco, Dante
Gershberg, Alexander
Macias, Andres
Murphy, Kayla
Stout, Kristine Estefania

MASTER OF PUBLIC ADMINISTRATION
PUBLIC ADMINISTRATION/PUBLIC AFFAIRS
Apfelbaum, Jon
Brogan, Jennifer Ashlynn
Meadows, Rachel Linette
Millehan, Patrick Edwin
Shultz, Grayson Patrick
Skipworth, Zachary
Isaiah Stevens, Leslie
Anne Trivette, Andrew
Omer

MASTER OF PUBLIC AND INTERNATIONAL AFFAIRS
Beekhuysen Jr., Thomas George
Bliss, Ashton
Czajkowski, Evan Michael
Hallman, Zachary Stewart
Larmore Jr., Morton Townsend
Newton, Billy E.
Roupe, Jacob Emerson
Sheppard, Shelby
Stephens, Alexander Vincent

MASTER OF SCIENCE HUMAN DEVELOPMENT
Gurdal, Mahmut

SCIENCE AND TECHNOLOGY STUDIES
Altaz, Sehrish
Hurley, Matthew Brett

SOCIOLOGY
Bechtold, Victoria Lauraine
Boyle, Erin Yafen
Hamilton, Kathryn Margaret
Hodges, Elizabeth Faith
Reed, Daryl Wornie
Thompson, Victoria Isabelle

**MASTER OF SCIENCE IN**
**EDUCATION**
**CAREER AND**
**TECHNICAL EDUCATION**

Ahn, Pamela Nai-Yun
Campbell, Carly Jean
Danzig, Paige Konieczny
Dawson, Princess Kayla Yukiko
Moyer, Grayson Mae
Mukuni, Dexter
Ponze, Ismael Rodolph
Pugh, Kate Lucille
Stokes, Caitlyn Janise

**MASTER OF URBAN AND**
**REGIONAL PLANNING**

Baldwin, Jordan
Barrera, Caroline Elizabeth
Barrett, Andrew Baxter
Berman, Reese Terrence
Bethencourt, Aaron Thomas
Brown, Emma Grace
Burkholder, David Jackson
Copelan, Samuel Reace
Fishman, Emily Levovna
Flachs-Surmanek, C. Meranda
Gonzalez-Velez, Justine Ivan
Grace, Patricia Rose
Ha, Gia Hoang
Hall, Emma E.
Harding, Jake
Harleston, Bianca Nyale
Harris, Alisha Alyn
Inman, Rachel Mizuki
Iyengar, Gaurav
Jenks, Kevin Bradley
Jones, Bryan Steven Rashad
Kaiser, Dalton Michael
Malik, Zuhra Hafsa
Montgomery, William Joseph
Myers, Anna Scott
Perez, Monica Gabriela
Polhamus V, James Miles
Prevost, Eden Clare
Rajkarnicar, Yasmine
Richards, Elizabeth
Rivera, Ester Esperanza
Suplee, Samantha Dale
Tushar, Md Shazalal
COLLEGE OF
NATURAL RESOURCES
& ENVIRONMENT

MASTER OF FORESTRY
Deane, Olivia Kristen
Owen, Jesse Daniel
Sawyers, McCray Lee

MASTER OF NATURAL RESOURCES
Agar, Kane Hudson
Anderson, Julianne Marie
Bacon, Alexis Kelsey
Bashore, Brooke Victoria
Brown, Bernard R.
Carson, Autumn Alexses
Cofer, Kevin Patrick
Cox, Hannah Michelle
Ferguson, Owen
Frazer, Peter William
Gray, Brionna Huenell
Gwilliam, Rachel Elizabeth Terry
Majority, Robin Savannah
McCue, Krysten
Montanti, Avril Emilia
Platt, Kirstin Runberg
Rearick, Courtney Ann
Redan, Maxwell
Renard, Brianna Rocha
Smith-Caggiano, Matthew D.
Tremblay, Liam
van der Molen, Glen Louis
Wirth, Christopher Raymond
Zsembik, Michael R.

MASTER OF SCIENCE
FISHERIES AND WILDLIFE
Bagheri Hamaneh, Aida
Brooks, Samantha Grace
Engler, Victoria Margaret
Hermanns, Lindsay Faye
Holcombe, Brogan Elizabeth
Jennings, Kelsey Kathleen
Litterer, Amber Starr
Low, Jonathan
McPhail, Darby K.
Oakley, Josephine Marie
Ortiz, Katlyn Marie
Slack, Katherine Louise
FORESTRY AND FOREST PRODUCTS

Capizzi, Seth
Chong, Fayu
Mansharamani, Yash
Maslyukova, Daria Yurevna
Wang, Xiyu
Zambrano Balma, Francisco Xavier

GEOGRAPHY

Finkhauser, Julia Elizabeth Rose
Flack, Addison Harris
Kabir Adrita, Mahjabin
Karki, Shashank
Otieno, Geoffrey Omondi
Samson, Bright Chukwuca
Tolar, Jack Cecil

COLLEGE OF SCIENCE

MASTER OF ARTS IN DATA ANALYSIS AND APPLIED STATISTICS

Elféki, Yasmine Tarek
Magdamo, Grace L.
Naseri, Mohammad Yunus
Poghosyan, Armine
Pollard, Lauren Kelly
Samson, Bright Chukwuca

MASTER OF SCIENCE

BIOLOGICAL SCIENCES

Braswell, Cameron Bryce
Chopdekar, Nidhi
Farthing, Wilson Martin
Fife, Josh
Layton, Anna Rayne
Lockett, Cameron St. John

CHEMISTRY

Cho, Hanna
Shehu, Era

GEOSCIENCES

Bose, Priyanka
Boyd, Carter Alexander
Puckett, Michala

MATHEMATICS
Arenas Mata, Diego Camilo
Beahr, Mason Everett
Bradie, Adam Connor
Folescu, Dan
Greco, Andrew Carter
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