SPRING 2020
**DOCTOR OF PHILOSOPHY**

**COLLEGE OF AGRICULTURE AND LIFE SCIENCES**

**AGRICULTURAL AND EXTENSION EDUCATION**

Alegbeleye, Ibukun Damilola  
A Mixed Methods Study of Leader-Follower Dynamics in Student Project Teams: Toward Advancing Career Readiness  
Committee Chair: Prof. E. K. Kaufman

Barber, Jeanette Danielle  
Perceived Inclusion of MANRRS Alumni in Agricultural Organizations: The Relationship Between Inclusion, Psychological Needs, & Intrinsic Motivation  
Committee Chair: Prof. C. R. Friedel

Carper, Kathleen Elizabeth  
Systems Thinking and Hybrid Learning: An Exploration of Complexity Theory in an Undergraduate Writing Classroom  
Committee Chair: Prof. C. R. Friedel

Greaud, Michelle L.  
Preparation of Career and Technical Education Teachers to Work with Students with Special Needs  
Committee Chair: Prof. D. M. Westfall-Rudd

Hoover, Brittany Alexandria  
Factors That Influence How Participants of Virginia’s Governor’s School for Agriculture Think About, Perceive, and Engage with Agriculture and Agricultural Careers  
Committee Chair: Prof. C. R. Friedel

Lovely, Stephanie Anne  
The Greenway Trail in Community Development: An Examination of Value, Representation, and Distribution of Benefits Among Stakeholders  
Committee Chair: Prof. C. R. Friedel

Shayo, Asha Habibu  
The Role of the Education System for Preparing Youth For Agricultural Career Decisions and Aspirations: Exploring Ways to Attract More Youth to Engage in Agriculture and Agriculture Entrepreneurship  
Committee Chair: Prof. R. D. Rudd

**ANIMAL AND POULTRY SCIENCES**

Liebe, Douglas Michael  
Using Data Analytics in Agriculture to Make Better Management Decisions  
Committee Chair: Prof. Z. Easton and Prof. R. White

Timlin, Claire Lourdine  
Strategies for Improving Reproductive Efficiency of Beef Cattle with Assisted Reproductive Technologies  
Committee Chair: Prof. K. Lee and Prof. V. R. Mercadante

Wooldridge, Lydia Katherine  
Supplementing Bovine Embryo Culture Media to Improve the Production and Quality of In Vitro Produced Bovine Embryos  
Committee Chair: Prof. A. D. Ealy

Xiao, Yang  
Molecular and Cellular Mechanisms of Energy Homeostasis in Birds  
Committee Chair: Prof. E. R. Gilbert

Yu, Haipeng  
The Design and Modeling of High-throughput Phenotyping Data in Genomic Prediction  
Committee Chair: Prof. G. Morota

**BIOCHEMISTRY**

Sanders, Blake Edward  
Enhancement of Fusobacterium Genetics Through Type IV Pili Mediated Natural Competence and DNA Methytransferases  
Committee Chair: Prof. D. J. Slade

**CROP AND SOIL ENVIRONMENTAL SCIENCES**

Da Cunha Leme Filho, Jose Franco  
An Integrated Plant Nutrition System (IPNS) for Corn and Cannabis in the Mid-Atlantic USA  
Committee Chair: Prof. W. E. Thomason

DeMers, Lindsay Carlisle  
Comparative Functional Genomics Characterization of Low Phytic Acid Soybeans and Virus Resistant Soybeans  
Committee Chair: Prof. M. A. Saghai-Maroof

Diatta, Andre Amakobo  
Mungbean [Vigna radiata (L.) Wilczek]: Protein-rich Legume for Improving Soil Fertility and Diversifying Cropping Systems  
Committee Chair: Prof. A. O. Abaye and Prof. W. E. Thomason

Lamichhane, Suman  
Physiological and Molecular Dissection of Salinity Tolerance in Arabidopsis and Maize and Nitrogen Uptake in Wheat  
Committee Chair: Prof. T. Fukao

**ENTOMOLOGY**

Dorman, Seth Joseph  
Biology and Integrated Pest Management of the Tarnished Plant Bug, Lygus lineolaris (Palisot de Beauvois), in Southeastern Cotton  
Committee Chair: Prof. S. V. Taylor

Hennen, Derek Alan  
Natural History, Taxonomy, and Phylogenetics of Appalachian Flat-backed Millipedes (Diplopoda: Polydesmida)  
Committee Chair: Prof. P. Marek

Liang, Jiang-tao  
Chromosome Evolution and Mechanisms of Hybrid Male Sterility in the Anopheles Gambiæ Complex  
Committee Chair: Prof. I. V. Sharakhov

Ragozzino, Max Louis  
Influences of Climate, Competition, and Novel Hosts on Parasitoids of Emerald Ash Borer, and Their Establishment in Virginia, and North Carolina  
Committee Chair: Prof. S. M. Salom

**FOOD SCIENCE AND TECHNOLOGY**

Acuff, Jennifer Claire  
Impacts of Low-water Activity Food Type on Inactivation Kinetics and Models of Foodborne Pathogens Treated with Low-temperature, Vacuum-assisted Steam Processing  
Committee Chair: Prof. M. A. Ponder

Bardsley, Cameron Anders  
Factors Influencing the Survival and Internalization of Salmonella in Agricultural Soil and Through the Roots of Solanaceous Crops  
Committee Chair: Prof. L. K. Strawn

Clark, Elizabeth Anne  
Application of Automated Facial Expression Analysis and Facial Action Coding System to Assess Affective Response to Consumer Products  
Committee Chair: Prof. S. E. Duncan
Lin, Tiantian
Role of Dry Beans (Phaseolus vulgaris L.) in Binding Bile Salts and Modulating Lipid Digestion: Impact of Bean Matrix and High Hydrostatic Pressure Processing
Committee Chair: Prof. C. Fernandez-Fraguas

**HORTICULTURE**

McCullough, Christopher Thomas
The Effects of Semi-natural Habitat and Wildflower Plantings on Ecosystem Services, Tick Populations, and Bee Communities
Committee Chair: Prof. M. E. O’Rourke

Wang, Zhibo
Virulent Mechanisms and Functional Characterizations of Three Xanthomonas Euvesicatoria III Effectors
Committee Chair: Prof. B. Zhao

Yan, Haidong
Development of Pipelines to Characterize Transposon Landscape Changes During Plant Domestication
Committee Chair: Prof. B. Zhao

Zhou, Dongfang
Using Plant Growth Regulators to Improve the Quality of Containerized Herbaceous Peony
Committee Chair: Prof. J. G. Latimer

**HUMAN NUTRITION, FOODS AND EXERCISE**

Kostelnik, Samantha Bond
The Evaluation of Methods to Rapidly Assess Beverage Intake and Hydration Status
Committee Chair: Prof. B. M. Davy

Williams, Brian Orbrey
Use of Cross-correlation Analysis to Determine Heart Rate Kinetics During Non-steady State Exercise in Healthy, College-aged Female Athletes
Committee Chair: Prof. J. H. Williams

Zhou, Mi
An Examination of Celebrity Endorsement Used to Promote Branded Food and Beverage Products to American Children, Adolescents and Young Adults to Inform Policies to Promote Healthy Food Environments
Committee Chair: Prof. V. I. Kraak

**PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE**

Brooks, Rachel Keys
Potential Biological Control of the Invasive Ailanthus altissima (tree-of-heaven) in Virginia Using Naturally Occurring Verticillium Wilt Fungi
Committee Chair: Prof. A. B. Baudoin and Prof. S. M. Salom

Herlihy, John H.
The Impact of Iron Deficiency on Plant-Oomycete Interactions
Committee Chair: Prof. J. M. McDowell

Opoku, Joseph
Deciphering Stink Bug Fusarium Interactions in Corn and Mitigating Associated Mycotoxin Contamination in the Mid-Atlantic
Committee Chair: Prof. H. L. Mehl

**COLLEGE OF ARCHITECTURE AND URBAN STUDIES**

**ARCHITECTURE AND DESIGN RESEARCH**

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

Obeidat, Laith Mohammad
Enhancing the Indoor-Outdoor Visual Relationship: Framework for Developing and Integrating a 3D-Geospatial-Based Inside-Out Design Approach to the Design Process
Committee Chair: Prof. P. M. Sforza and Prof. J. R. Jones

Sim, Jisoo
Social Media Analytics as Media for Understanding Linear Parks
Committee Chair: Prof. P. A. Miller and Prof. C. L. Bohannon

**ENVIRONMENTAL DESIGN AND PLANNING**

Guerra Moscoso, Vanessa Esthela
Informal Car Share’s Contribution to Quito’s Urban Resilience
Committee Chair: Prof. E. W. Shealy III

Mitchell, John Talmadge
A Framework for Development in Rural Arid and Semi-Arid Environments in Africa: The Somalia Case
Committee Chair: Prof. Y. J. Belliveau

Semaan, Marie
Committee Chair: Prof. A. R. Pearce

Xiong, Yunjie
A BIM-based Interoperability Platform in Support of Building Operation and Energy Management
Committee Chair: Prof. G. Reichard

**PLANNING, GOVERNANCE, AND GLOBALIZATION**

Camacho Carvajal, Luis Felipe
Technology, Participatory Management Practices, and Dignity at Work: A Case Study in a Packaging Firm
Committee Chair: Prof. R. P. Hall

Jalal, Pishtiwan Abdulwahid
Sectarianism in Kurdistan Region of Iraq Between Political and Theological Schism
Committee Chair: Prof. A. I. Ahram

Karle, Joseph Bernard
Power Vacuums in Military Occupations
Committee Chair: Prof. A. I. Ahram

Lu, Tianjun
Using Remote Sensing, Crowdsourcing, and Machine Learning Approaches to Develop Urban Air Pollution Models in the US
Committee Chair: Prof. S. C. Hankey, Jr.

McFarland, Christiana K.
Intra-Regional Economic Connectivity: The Role of Industry Clusters in Bridging the Urban-Rural Divide
Committee Chair: Prof. M. M. Cowell

Merabishvili, Gela
The Politics of Border Walls
Committee Chair: Prof. G. Toal

Miller, Allison Denise
Preventing Community Violence: A Case Study of Metro Detroit and Interfaith Activism
Committee Chair: Prof. T. W. Luke and Prof. P. Dixit

Moayerian, Neda
Exploring the Connections Between Community Cultural Development and Sustainable Tourism in Central Appalachia
Committee Chair: Prof. M. O. Stephenson, Jr.

Netto, Brett Raymond
Russia and International Society from Peter the Great to Vladimir Putin: The Search for Power and Status
Committee Chair: Prof. I. Stivachtis

Seymour, Sezaneh Momeni
What Factors are Associated with Multilateral Environmental Agreement Noncompliance, and Can Agreement Provisions be Designed to Mitigate Them?
Committee Chair: Prof. J. Peters
White, Daniel M.
Sport and Social Capital: Perceptions of Civil Society Organization Leaders in Kigali, Rwanda
Committee Chair: Prof. M. O. Stephenson, Jr.

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

Castle, Joseph Roland
An Organizational Analysis of Publishing the People’s Code
Committee Chair: Prof. K. M. Hult

Edwards, Jaimie Elizabeth
Over the River and Through the Woods: Examining the Relationship Between Geography and Network Structure
Committee Chair: Prof. R. H. Lemaire

Hopkins, Kathlyn J.
Interagency Working Groups: Allegiances Across Agency Borders
Committee Chair: Prof. R. H. Lemaire

Spencer-Gallucci, Jessica Lee
An Exploration of Inclusive Management Practices Through the Lens of Public Managers
Committee Chair: Prof. M. M. Dull

---

PAMPLIN COLLEGE OF BUSINESS

BUSINESS, ACCOUNTING AND INFORMATION SYSTEMS

Sherman, Christopher Michael
The Hidden Value of Employee Pay Disclosures Evidenced Through Cost of Capital
Committee Chair: Prof. L. L. Lisic

---

BUSINESS, BUSINESS INFORMATION TECHNOLOGY

Xia, Long
Human-Learning Augmented Machine Learning Frameworks for Text Analytics
Committee Chair: Prof. A. G. Wang and Prof. W. Fan

---

BUSINESS, FINANCE

Li, Fan
Institutional Ownership and CEO Compensation: The Voting Channel Informed Lenders in the Shorting Market
Committee Chair: Prof. J. C. Easterwood

---

BUSINESS, HOSPITALITY AND TOURISM MANAGEMENT

Dallinger, Ioana
An Experimental Investigation into the Timing of Service Failure Communication
Committee Chair: Prof. N. G. McGehee

Shin, Hakseung
Customer Engagement and Value Co-Creation for Hospitality Open Innovation
Committee Chair: Prof. R. R. Perdue

Souard, Joelle Marie
An Investigation of Transformative Tourism Outcomes and Strategies
Committee Chair: Prof. N. G. McGehee

---

BUSINESS, MARKETING

Han, Yegyu
Giving Smart Agents a Voice: The Voice of a Smart Agent Influencing Relationships with Consumers
Committee Chair: Prof. D. Chakravarti

---

COLLEGE OF ENGINEERING

AEROSPACE ENGINEERING

Gonzalez-Rocha, Javier
Sensing Atmospheric Winds from Quadrotor Motion
Committee Chair: Prof. C. A. Woolsey and Prof. C. Sultan

Gupta, Rikin
Incorporating Flight Dynamics and Control Criteria in Aircraft Design Optimization
Committee Chair: Prof. R. K. Kapania

Jung, Se Yong
Determining Parameters for a Lagrangian Mechanical System Model of a Submerged Vessel Maneuvering in Waves
Committee Chair: Prof. C. A. Woolsey and Prof. S. Brizzolara

Lu, Zhaokuan
Computationally-effective Modeling of Far-field Underwater Explosion for Early-stage Surface Ship Design
Committee Chair: Prof. A. J. Brown

Prasad, Rachit
Time Spectral Adjoint Based Design for Flutter and Limit Cycle Oscillation Suppression
Committee Chair: Prof. S. S. Choi

Song, Yang
Unstructured Nodal Discontinuous Galerkin Method for Convection-Diffusion Equations Applied to Neutral Fluids and Plasmas
Committee Chair: Prof. B. Srinivasan

BIOMETRICAL ENGINEERING

Hughes-Oliver, Cherice Natasha
The Impact of Race and Related Factors on Movement Mechanics
Committee Chair: Prof. R. M. Queen

Peebles, Alexander Thomas
Development, Validation, and Implementation of Novel Methods to Quantify Jump-Landing Mechanics in Patients Returning to Sport Following Anterior Cruciate Ligament Reconstruction
Committee Chair: Prof. R. M. Queen

Saverot, Scott Eugene
Bone Regeneration Potential of Mesenchymal Stromal Cells Derived from a Clinically Relevant Rat Model of Osteoporosis
Committee Chair: Prof. M. Van Dyke

CHEMICAL ENGINEERING

Gadalla, Dina Mohamed Adly
Osteogenic Scaffolds for Enhanced Graft-Bone Integration in Ligament Tissue Engineering
Committee Chair: Prof. A. S. Goldstein

Hsieh, Yuan-Pang
New Microfluidic Technologies for Studying Histone Modifications and Long Non-coding RNA Bindings
Committee Chair: Prof. C. C. Lan
Kuo, Chun-Te
Structural and Kinetic Study of Hydrogenation Reactions on Noble Metal
Single Atoms and Subnanometer Clusters
Committee Chair: Prof. A. M. Karimi

Smith, Ethan Dwanye
Nanocomposite Membranes for Water Desalination: Understanding the Impact of Nanoparticle Size, Shape, Porosity, and Surface Chemistry on Membrane Performance
Committee Chair: Prof. S. M. Martin and Prof. E. J. Foster

Wang, Siwen
Machine Learning Meets Quantum Chemistry: Using Theory, Data, and Experiments to Design Catalysts
Committee Chair: Prof. H. Xin

Williams, Michael Lawrence
Pressurized Mixtures of Ionic Liquids as Process Solvents for Biomass Conversion
Committee Chair: Prof. E. Kiran

CIVIL ENGINEERING

Alhadidi, Taqwa Ibrahim
Modeling Transit Vehicle Travel Time for Transit Signal Priority
Committee Chair: Prof. H. A. Rakha

Atallah, Stephanie
The Impact of Airport Size on Service Continuity and Operational Performance
Committee Chair: Prof. S. Hotle

Brendel, Conrad
Analysis, Modeling, and Forecasting of Urban Flooding
Committee Chair: Prof. R. L. Dymond

Franco Duran, Diana Marcela
An Enhanced RCS Heuristic and an Enhanced RCPM Algorithm to Perform Delay Analysis in Schedules Without Phantom Float
Committee Chair: Prof. J. M. de la Garza

Izadi, Arman
Modeling, Simulation and Optimization of Advanced Air Traffic Procedures to Improve Oceanic Flights
Committee Chair: Prof. A. A. Trani

Jain, Akshay
Feasibility of Using Waste Heat as a Power Source to Operate Microbial Electrolysis Cells Towards Resource Recovery
Committee Chair: Prof. Z. He

Jung, Wooyoung
Decentralized HVAC Operations: Novel Sensing Technologies and Control for Human-Aware HVAC Operations
Committee Chair: Prof. F. Jazizadeh Karimi

Lin, Kaisen
Viability of Viruses in Suspended Aerosols and Stationary Droplets as a Function of Relative Humidity and Media Composition
Committee Chair: Prof. L. C. Marr

Liu, Chang
Controlled Evaluation of Silver Nanoparticle Dissolution: Surface Coating, Size and Temperature Effects
Committee Chair: Prof. P. J. Vikesland

Liu, Xingjian
Membrane Electrochemical Treatment of Landfill Leachate: Processes, Performance and Challenges
Committee Chair: Prof. Z. He

Mah, Joshua Turin
Microbial Communities in Thermal Hydrolysis Pretreatment Anaerobic Digesters
Committee Chair: Prof. J. T. Novak and Prof. A. N. Godrej and Prof. Z. He

Mohammadhasanzadeh, Sogand
Worker’s Behavioral Adaptation to Safety Interventions and Technologies: Empirical Evidence and Theoretical Considerations Through the Case of Simulated Residential Roofing Task
Committee Chair: Prof. J. M. de la Garza

Rahimi Golkhandan, Armin
Characterization and Assessment of Transportation Diversity: Impacts on Mobility and Resilience Planning in Urban Communities
Committee Chair: Prof. M. J. Garvin

Salado Martinez, Freddie Antonio
Assessment of Fracture and Rutting Resistance of Asphalt Overlays Through Heavy Vehicle Simulator and Laboratory Testing: Synthetic Fiber and Rubber Modified SMA Mixes
Committee Chair: Prof. G. W. Flintsch

Singh, Japsimran
An Investigation of Anchor Nut Loosening and Review of Tightening Procedures for Anchor Rods in Highway Ancillary Structures
Committee Chair: Prof. M. H. Hebden

Sun, Yewei
Advanced Biofilm and Aerobic Granulation Technologies for Water and Wastewater Treatment
Committee Chair: Prof. Z. Wang

Tola Tola, Adrian Patricio
Analytical and Experimental Investigation of Low-Cycle Fatigue Fracture in Structural Steel
Committee Chair: Prof. M. R. Eatherton and Prof. I. Koutromanos

Vaidya, Ramola Vinay
Removal of Total Organic Carbon and Emerging Contaminants in an Advanced Water Treatment Process Using Ozone-BAC-GAC
Committee Chair: Prof. A. J. Pruden-Bagchi

Zhang, Dian
Effect of Process Intensification Techniques on Biosolids Management
Committee Chair: Prof. Z. Wang

COMPUTER SCIENCE AND APPLICATIONS

Adhikari, Bijaya
Domain-based Frameworks and Embeddings for Dynamics Over Networks
Committee Chair: Prof. B. A. Prakash

Chang, Tyler Hunter
Mathematical Software for Multiobjective Optimization Problems
Committee Chair: Prof. L. T. Watson

Cui, Xuewen
Directive-Based Data Partitioning and Pipelining and Auto-Tuning for High-Performance GPU Computing
Committee Chair: Prof. W. Feng

Dash, Sajal
Exploring the Landscape of Big-data Analytics Through Domain-aware Incremental and Approximate Algorithms
Committee Chair: Prof. W. Feng

Davis, James Collins
On the Impact and Defeat of Regular Expression Denial of Service
Committee Chair: Prof. D. Lee

Dowling, Michelle V.
Semantic Interaction for Symmetrical Analysis and Automated Foraging of Documents and Terms
Committee Chair: Prof. C. L. North

Elsherbyny, Noha Ibrahim Mohamed
Developing an Educational Process and a Prototype Tool for Curricular Improvement
Committee Chair: Prof. S. H. Edwards

Glander, Steven Ross
Time Integration Methods for Large-scale Scientific Simulations
Committee Chair: Prof. A. Sandu

Gusukuma, Luke Satoru
Misconception Driven Student Analysis Model: Applications of a Cognitive Model in Teaching Computing
Committee Chair: Prof. D. G. Kafura

Hu, Hang
Characterizing and Detecting Online Deception via Data-Driven Methods
Committee Chair: Prof. D. Yao and Prof. G. Wang
Islam, Mohammad Raisi
Detecting and Characterizing Rumors in Social Media
Committee Chair: Prof. N. Ramakrishnan

Kazerouni, Ayaan Mehdi
Measuring the Software Development Process to Enable Formative Feedback
Committee Chair: Prof. C. A. Shaffer and Prof. S. H. Edwards

Lahn, Nathaniel Adam
A Separator-Based Framework for Graph Matching Problems
Committee Chair: Prof. S. Raghvendra

Li, Liqing
Event-related Collections Understanding and Services
Committee Chair: Prof. E. A. Fox

Li, Tianyi
Supporting Crowdsourced Sensemaking with a Modularized Pipeline and Context Slices
Committee Chair: Prof. C. L. North

Liu, Thomas Christian Hansen
Interpolants and Error Bounds for Modeling and Predicting Variability in Computer Systems
Committee Chair: Prof. L. T. Watson and Prof. Y. Hong

Masiane, Moeti Moeklesia
Towards Insight Driven Sampling for Interactive Data Intensive Computing
Committee Chair: Prof. C. L. North and Prof. E. J. Jacques

Song, Zheng
Self-Adaptive Edge Services: Enhancing Reliability, Efficiency, and Adaptiveness Under Unreliable, Scarce, and Dissimilar Resources
Committee Chair: Prof. E. Tilevich

Techapalokul, Peeratham
Enhancing Block-Based Software Infrastructure and Pedagogy to Promote the Culture of Quality From the Ground Up
Committee Chair: Prof. E. Tilevich

Zhang, Ruide
Hardware-Aided Privacy Protection and Cyber Defense for IoT
Committee Chair: Prof. W. Lou

**ELECTRICAL ENGINEERING**

Alorf, Abdulaziz Abdullah
Primary/Soft Biometrics: Performance Evaluation and Novel Real-Time Classifiers
Committee Chair: Prof. A. L. Abbott

Bedoya Ceballos, Juan Carlos
Optimization Models for Distribution Systems: Market Design and Resiliency Improvement
Committee Chair: Prof. V. A. Centeno and Prof. C. Liu

Cai, Mengmeng
A Double-signal Bi-level Retail Pricing Mechanism for Price-responsive DERs Considering Network Constraints
Committee Chair: Prof. S. Rahman

Chen, Chien-An
Model, Design, and Control for Power Conversion in Wave Energy Converter System
Committee Chair: Prof. L. Zuo and Prof. K. D. Ngo

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

Hamedani, Kian
Energy Efficient Deep Spiking Recurrent Neural Networks: A Reservoir Computing-Based Approach
Committee Chair: Prof. Y. Yi and Prof. L. Liu

Lee, Gilsoo
Online Optimization for Edge Computing Under Uncertainty in Wireless Networks
Committee Chair: Prof. W. Saad

Peng, Yuxiang
GNSS-based Hardware-in-the-loop Simulation of Spacecraft Formation Flight: An Incubator for Future Multi-scale Ionospheric Space Weather Studies
Committee Chair: Prof. W. A. Scales

Shafin, Rubayet
3D Massive MIMO and Artificial Intelligence for Next Generation Wireless Networks
Committee Chair: Prof. L. Liu

Song, Junyeob
Nanolaminated Plasmonics: From Passive to Active Nanophotonics Devices
Committee Chair: Prof. W. Zhou

Wirsing, Kariton Edward
Multifractal Analysis of Geomagnetically Induced Currents Using Wavelet Leaders
Committee Chair: Prof. L. M. Mill

Zhang, Lujie
Load-Independent Class-E Power Conversion
Committee Chair: Prof. K. D. Ngo

Zhou, Lifeng
Parsimonious, Risk-Aware, and Resilient Multi-Robot Coordination
Committee Chair: Prof. R. K. Williams and Prof. P. Tokekar

**ENGINEERING EDUCATION**

Davis, Kirsten Ann
Pursuing Intentional Design of Global Engineering Programs: Understanding Student Experiences and Learning Outcomes
Committee Chair: Prof. D. B. Knight

Ozkan, Desen Sevi
Transdisciplinarity on Paper: How Do Cross-disciplinary Faculty Translate University Initiatives into the Classroom?
Committee Chair: Prof. D. Bairaktarova

Spingola, Elizabeth Marie
Understanding the Relationships Between Disability, Engineering, and the Design of Engineering Course Websites Through Disabled Engineering Students’ Perspectives
Committee Chair: Prof. D. B. Knight

Yeaman, Adetoun Oludara
Understanding Empathy in the Experiences of Undergraduate Engineering Students in Service-Learning Programs
Committee Chair: Prof. D. Bairaktarova

**ENGINEERING MECHANICS**

Bhargava, Aarushi
Dynamics of Smart Materials in High Intensity Focused Ultrasound Field
Committee Chair: Prof. S. Shahab

Dupuis, Eric Donald
Electro-Elastic Modeling and Testing of Direct Contact Ultrasonic Clothes Drying Systems
Committee Chair: Prof. S. Shahab

Jahromi Shirazi, Masoud
Dynamics of Multi-agent Systems with Active and Passive Sensing
Committee Chair: Prof. N. T. Abaid

Mukherjee, Saikat
Front Propagation and Feedback in Convective Flow Fields
Committee Chair: Prof. M. R. Paul

Shehata, Hisham
Unsteady Aerodynamic/Hydrodynamic Analysis of Bio-inspired Flapping Elements at Low Reynolds Number
Committee Chair: Prof. M. R. Hajj and Prof. C. A. Woolsey

Shi, Weiwei
Tree-Inspired Water Harvesting
Committee Chair: Prof. J. B. Boreyko

Zhong, Jun
Geometrical Investigation on Escape Dynamics in the Presence of Dissipative and Gyroscopic Forces
Committee Chair: Prof. S. D. Ross
INDUSTRIAL AND SYSTEMS ENGINEERING

Haghighat, Gisou E.
A Theoretical and Empirical Investigation of Reflective Practices in High Tech Organizations
Committee Chair: Prof. B. M. Kleiner and Prof. N. Hosseinchimeh

Lan, Qing
Organ Viability Assessment in Transplantation Based on Data-driven Modeling
Committee Chair: Prof. R. Jin

Noble, Alexandria Marie
Behavioral Adaptation to Driving Automation Systems: Guidance for Consumer Education
Committee Chair: Prof. S. G. Klauer

Thompson, Brandon Scott
Development and Human Factors Evaluation of a Portable Auditory Localization Acclimation Training (PALAT) System
Committee Chair: Prof. J. G. Casali

Topcu, Taylan Gunes
Management of Complex Sociotechnical Systems
Committee Chair: Prof. K. P. Triantis

Xie, Guangrui
Robust and Data-efficient Metamodel-based Approaches for Online Analysis of Time-dependent Systems
Committee Chair: Prof. X. Chen

MATERIALS SCIENCE AND ENGINEERING

Beets, Nathan James
Computational Studies of the Mechanical Response of Nano-Structured Materials
Committee Chair: Prof. D. Farkas

Hendren, Keith Doubrava
Cellulose Nanocrystal Composites: New Methods and Functionalities
Committee Chair: Prof. E. J. Foster

Liu, Lanbing
Design and Processing of Ferrite Paste Feedstock for Additive Manufacturing of Power Magnetic Components
Committee Chair: Prof. G. Lu

Xu, Junran
Magnetoelastic Laminates with Novel Properties for Sensor, Transmitter, and Gyrator Applications
Committee Chair: Prof. D. D. Viehland

Zhang, Yaxuan
Modeling of Effect of Alloying Elements on Radiation Damage in Metallic Alloys
Committee Chair: Prof. X. Bai

MECHANICAL ENGINEERING

Altmann, Craig Tyler
Identification and Characterization of Damaging Road Events
Committee Chair: Prof. J. B. Ferris

Ashraf, Anum Rauf Barki
A New Paradigm for End-to-End Modeling of Radiometric Instrumentation Systems
Committee Chair: Prof. J. R. Mahan and Prof. K. J. Priestley

Ghodratighalati, Mohamad
Multiscale Modeling of Fatigue and Fracture in Polycrystalline Metals, 3D Printed Metals, and Bio-inspired Materials
Committee Chair: Prof. R. Mirzaefar

Hu, Yazhe
Degenerate Near-planar Road Surface 3D Reconstruction and Automatic Defects Detection
Committee Chair: Prof. T. Furukawa

Kubalak, Joseph Riley
Optimizing Topology and Toolpath Through Layer-less Multi-Axis Material Extrusion of Composites
Committee Chair: Prof. A. L. Wicks and Prof. C. B. Williams

Lee, Hyeon
Bat Biosonar Measurement and Analysis Using Spatial Audio Techniques
Committee Chair: Prof. M. J. Roan

Liu, Mingyi
Energy Harvesting from Human Body for Wearable and Mobile Devices
Committee Chair: Prof. L. Zuo

McGuire, Jeffrey Allen
Mechanical, Microstructural, and Tearing Behavior of Vaginal Tissue Under Bi axial Loading: Implications for Childbirth and Women’s Healthcare
Committee Chair: Prof. R. De Vita

Moarefiain, Maryam
Use of Microfluidic Platform for Investigating DC Electric Field-driven Drug Delivery and Cell Migration
Committee Chair: Prof. D. K. Tafti and Prof. L. E. Achenie

Nouri, Arash
Characterization of Structure-Borne Vehicle Interior Noise by Using Intelligent Tires
Committee Chair: Prof. S. Taheri

Peterson, John Ryan
Autonomous Source Localization
Committee Chair: Prof. K. B. Kochersberger

Ren, Hailin
Human-Robot Interaction with Pose Estimation and Dual-Arm Manipulation Using Artificial Intelligence
Committee Chair: Prof. P. Ben-Tzvi

Roghani-zad, Ali Reza
The Development of Novel Apparatus, Systems, and Methods for Non-Invasive Thermal Interrogation (NITI)
Committee Chair: Prof. T. E. Diller

Stecknerider, John Josiah
Simultaneous Estimation and Modeling Using Non-Gaussian Belief Fusion
Committee Chair: Prof. T. Furukawa

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

Sturm, Logan Daniel
Cyber-Physical Security for Additive Manufacturing Systems
Committee Chair: Prof. C. B. Williams

Windes, Peter William
Computational Analysis of Bat Flight Aerodynamics
Committee Chair: Prof. D. K. Tafti

Wu, Haiyi
Multiphysics Transport in Heterogeneous Media: From Pore-scale Modeling to Deep Learning
Committee Chair: Prof. R. Qiao

Zawaski, Callie Elizabeth
Enabling New Material for Material Extrusion Additive Manufacturing
Committee Chair: Prof. C. B. Williams

MINING ENGINEERING

Ghaychi Afrouz, Setareh
Seismic Wave Velocity Variations in Deep Hard Rock Underground Mines by Passive Seismic Tomography
Committee Chair: Prof. E. C. Westman

COLLEGE OF LIBERAL ARTS AND HUMAN SCIENCES

COUNSELOR EDUCATION

Raymond, Karen Denise
Compassion in Professional Counseling: A Delphi Study
Committee Chair: Prof. N. E. Bodenhorn and Prof. L. B. Farmer
Wiley, Jonathan David
An Interpretative Phenomenological Analysis of Counselor Education Doctoral Students' Teaching Preparation Experiences
Committee Chair: Prof. L. E. Welfare

CURRICULUM AND INSTRUCTION

Alemtairy, Ghader M A S B
Instructional Considerations to Promote Technology Integration Skills and Knowledge Transfer from Instructional Technology Courses at Kuwait University into Classroom Teaching: A Design and Development Study
Committee Chair: Prof. K. R. Potter

Almunive, Wejdan Ahmed
The Design and Development of Guidelines for Interactive Course Organizers
Committee Chair: Prof. B. B. Locke

Arnold, Amy Jo Ann
Constructing Guidelines for Practicing Professionals Teaching Continuing Professional Development in Online Environments
Committee Chair: Prof. B. B. Locke

Chen, Le
Identifying Job Types and Required Competencies for Instructional Technologist: A Text Mining and Content Analysis
Committee Chair: Prof. B. B. Locke and Prof. K. R. Potter

Chun, Jeeyoung
A Model of Peer Learning Incorporating Scaffolding Strategies
Committee Chair: Prof. K. S. Cennamo

Hill, James Carroll
Dialogic Pedagogy and Reading Comprehension: Examining the Effect of Dialogic Support on Reading Comprehension for Adolescents
Committee Chair: Prof. T. T. Stewart

Klopf, Michelle Davis
Academic Profiles of Science Students: An Analysis of Longitudinal Data on Virginia Students
Committee Chair: Prof. J. G. Wells

Kuehl, Rachelle Elizabeth
Fourth-Grade Narrative Fiction Writing: Using Content Analysis to Examine the Intersection of Place, High Ability, and Creativity
Committee Chair: Prof. A. P. Azano

LaCroix, Tiffany Jo
Resolving Apparent Inconsistencies in the Belief Systems of High School Geometry Teachers
Committee Chair: Prof. C. L. Ulrich

Mukuni, Kizito K.
Developing Guidelines for Teaching Procedural Skills Using Video
Committee Chair: Prof. B. B. Locke

Mullins, Sara Brooke
Examining the Relationship Between Students’ Measurement Schemes for Fractions and Their Quantiﬁcations of Angularity
Committee Chair: Prof. J. L. Wilkins

Richardson, Kasey Lee
Sexuality Education and the Learning Context: A Study in Curriculum and Community
Committee Chair: Prof. S. G. Magliaro and Prof. B. D. Jones

Trotman, Carmalita
Creation of a Support Tool for the Needs Assessment Process: A Design and Development Study
Committee Chair: Prof. B. B. Locke

Washburn, Jocelyn
Adolescents with Limited Reading Proficiency: Teaching Literacy Skills for Content Learning, the Relationship Between Oral Reading Fluency and Reading Comprehension, and A Multiple Probe Study of a Word Level Intervention
Committee Chair: Prof. B. S. Billingsley

EDUCATIONAL RESEARCH AND EVALUATION

Hatfield, Lauren Michelle
A Qualitative Investigation of Undergraduate Students’ Experiences of Helicopter Parenting
Committee Chair: Prof. S. F. Hein

HIGHER EDUCATION

Gilbert, Karen Jean
Leader Perceptions of Campus Community Partnerships in a Community College Setting
Committee Chair: Prof. C. K. Robbins

Lyles, Chelsea Haines
The Relationship Between Responsibility Center Management, Faculty Composition, and Faculty Salaries
Committee Chair: Prof. D. B. Knight

HUMAN DEVELOPMENT

Gary, Emily Ann
Religious Disaffiliation and Family Relationships: A Grounded Theory Study of LGBTQ+ Women’s Experiences
Committee Chair: Prof. E. L. Grafsky

Morgan, Amy Aida Audrey
The Mediating Effects of Family Resilience Processes in the Context of Paternal Incarceration: A Structural-equation Analysis of the Family Inequality Framework Among Danish Families With School-aged Youth
Committee Chair: Prof. J. A. Arditti

Shin, Eunkyung
Predictors of Bystander and Defender Behaviors in Bullying: Maternal Reactions to Child Emotion and Empathy in the United States and South Korea
Committee Chair: Prof. C. L. Smith

Thomas, Michael Evan
Appalachian Church Leaders: An IPA Study to Understand Their Experiences with Substance Misuse
Committee Chair: Prof. E. L. Grafsky

RHETORIC AND WRITING

Covington, Brooke Elizabeth
Set in Stone: Rhetorical Performances in Virginia Tech’s April 16th Memorial
Committee Chair: Prof. K. E. Pender

SCIENCE AND TECHNOLOGY STUDIES

Chung, Seungmi
Imagining an Astronaut: Space Flight and the Production of Korea’s Future
Committee Chair: Prof. S. E. Halfon

Lotfi, Sarvnaz
Capitalizing the ‘Measure of Our Ignorance’: A Pragmatist Genealogy of R&D
Committee Chair: Prof. D. Breslau

Ludwig, Ariel Simone
The Carceral Body Multiple: Intake in the New York City Jails
Committee Chair: Prof. R. Hester

SOCIAL, POLITICAL, ETHICAL, AND CULTURAL THOUGHT

McKagen, Elizabeth Leigh
Visions of Possibilities: (De)Constructing Imperial Narratives in Star Trek: Voyager
Committee Chair: Prof. B. L. Shadle

Pervaiz, Mohammed Naeem
Disciplining Religious Bodies, Forming Secular Bodies: Atatürk Modern Power, Secular Affect
Committee Chair: Prof. R. M. Scott

Stamm, Emma
Hallucinating Facts: Psychedelic Science and the Epistemic Power of Data
Committee Chair: Prof. F. Debrux
Callahan, Jason T.
Framing Crime - An Analysis of News Media Twitter Data
Committee Chair: Prof. D. J. Shoemaker

Nanney, Megan Paige
Open Gates, Broken Promises: Inclusion Policies and Transgender Student Experiences at Gender-Selective Women's Colleges
Committee Chair: Prof. S. Ovink and Prof. C. Labuski

Bi, Rujia
Bayesian Hierarchical Approaches to Analyze Fish Spatiotemporal Dynamics
Committee Chair: Prof. Y. Jiao

Black, Kathleen Miles
Red Fox Ecology and Interactions with Piping Plovers on Fire Island, New York
Committee Chair: Prof. J. D. Fraser and Prof. S. M. Karpanty

Brooks, George Christopher
On the Use of Demographic Models to Inform Amphibian Conservation and Management: A Case Study of the Reticulated Flatwoods Salamander
Committee Chair: Prof. C. A. Haas

Heller, Erin Leigh
Factors that Affect Migratory Western Atlantic Red Knots (Calidris canutus rufa) and Their Prey During Spring Stopover on Virginia’s Barrier Islands
Committee Chair: Prof. J. D. Fraser and Prof. S. M. Karpanty

Hilling, Corbin David
Population Dynamics Modeling and Management Strategy Evaluation for an Invasive Catfish
Committee Chair: Prof. D. J. Orth and Prof. Y. Jiao

Marston, Michael Lee
Variation and Change in Daily Precipitation Extremes Across the United States Since the Mid-20th Century
Committee Chair: Prof. A. Ellis

Wan, Heng
Assessing Annual Urban Change and its Impacts on Evapotranspiration
Committee Chair: Prof. Y. Shao

Ahlswede, Benjamin James
Investigation of Charge Transfer in Metal-Organic Frameworks for Electrochemical Applications
Committee Chair: Prof. A. Morris

Ding, Sha
Antimalarial Candidates with Novel Mechanism of Action from the Malaria Box
Committee Chair: Prof. P. R. Carlier

Fahs, Gregory Bain
The Effect of Ionomer Architecture on the Morphology in Gel State Functionalized Sulfonated Syndiotactic Polystyrene
Committee Chair: Prof. R. B. Moore III
Fritzemeier, Russell Glenn  
Trans Addition of B-X Reagents Across Polarized Triple Bonds and Development of Sphingosine-1-Phosphate Transport Inhibitors  
Committee Chair: Prof. W. Santos

Gao, Chengzhe  
Regioselective Synthesis of Glycosaminoglycan Analogs  
Committee Chair: Prof. K. J. Edgar

Gates, Ashley Michelle  
Development of Methods for Boron Reagents  
Committee Chair: Prof. W. Santos

Kim, Christina Sue Kyung  
Recombinant Proteins for Biomedical Applications  
Committee Chair: Prof. F. A. Etzkorn

Li, Yunhua  
Development of Bionanocomposite for Environmental Application  
Committee Chair: Prof. J. R. Morris

Nichols, Brittany Lynn  
Expanding the Potential of Polysaccharide Based Materials for Therapeutic Delivery Applications  
Committee Chair: Prof. K. J. Edgar

Peralta, Ashley N.  
Branched Peptides Targeting HIV-1 RRE RNA and Structure-Activity Relationship Studies of Spinster Homolog 2 Inhibitors  
Committee Chair: Prof. W. Santos

Asadi, Ghadir  
Three Essays in Environmental, Labor, and Education Economics  
Committee Chair: Prof. T. N. Tideman

Huang, Yao  
Market Sentiments and the Housing Markets  
Committee Chair: Prof. K. P. Tsang

Broadwell, Kirkland S.  
From the Appalachians to the Alps: Constraints on the Timing, Duration, and Conditions of Metamorphism at Convergent Margins  
Committee Chair: Prof. M. J. Caddick

Griffin, Christopher Thomas  
The Influence of Developmental Patterns on Vertebrate Evolution, with the Evolution of the Sacrum and Pelvis as a Case Study  
Committee Chair: Prof. S. J. Nesbitt

Kadelka, Mirjam Sarah  
Mathematical and Numerical Investigation of Immune System Development and Function  
Committee Chair: Prof. M. S. Ciupe

Zhang, Jiaqi  
Finite-element Simulations for Interfacial Flows with Moving Contact Lines  
Committee Chair: Prof. P. Yue

Zhuang, Qiao  
Immersed Finite Elements for Second Order Elliptic Operator and Their Applications  
Committee Chair: Prof. T. Lin

Azizi, Ahmadreza  
Study of Critical Phenomena with Monte Carlo and Machine Learning Techniques  
Committee Chair: Prof. M. J. Pleimling

He, Zhixing  
Self-assembly of Anisotropic Nanostructures and Interferometric Spectroscopy  
Committee Chair: Prof. H. Robinson

Ho, Vinh Xuan  
Nanostructures for Coherent Light Sources and Photodetectors  
Committee Chair: Prof. V. Nguyen

Li, Yanlong  
Scanning Probe Microscopy Study of Molecular Self Assembly Behavior on Graphene Two-dimensional Material  
Committee Chair: Prof. J. R. Hefflin

Parsian, Mohammadhadi  
Supersymmetric Backgrounds in String Theory  
Committee Chair: Prof. E. R. Sharpe and Prof. J. A. Gray

Rieger, William Theodore  
Fabrication and Optoelectronic Characterization of Nanoscale Resonance Structures  
Committee Chair: Prof. J. J. Heremans

Serrao, Shannon Reuben  
Stochastic Effects on Extinction and Pattern Formation in the Three-species Cyclic May-Leonard Model  
Committee Chair: Prof. U. C. Tauber

Xu, Xinfeng  
How Do Quasars Impact Their Host Galaxies? Studying Absorption and Emission Quasar Outflows  
Committee Chair: Prof. N. Arav

Zheng, Husong  
STM Study of Interfaces and Defects in 2D Materials  
Committee Chair: Prof. C. Tao

Brieant, Alexis Emily  
Differential Associations of Adversity Profiles with Adolescent Cognitive Control and Psychopathology  
Committee Chair: Prof. J. Kim-Spoon

Burns, Derek Allen  
A Longitudinal Investigation of Job Characteristics and Individual Differences on Physiological Outcomes  
Committee Chair: Prof. R. J. Foti

Factor, Reina Suzanne  
Caregiver-Assisted Social Skills Intervention for Preschoolers with Autism Spectrum Disorder: Examining Caregiver-Child Relationships and Family Functioning in the PEERS for Preschoolers Program  
Committee Chair: Prof. A. Scarpa-Friedman

Feng, Shengchuang  
Reinforcement Learning for Self and Other: Disruptions in Mental Disorders and Oxytocins Modulating Role in Healthy People  
Committee Chair: Prof. B. King-Casas

Flannery, Nicholas Martin  
Investigating the Convergent, Discriminant, and Predictive Validity of the Mental Toughness Situational Judgment Test  
Committee Chair: Prof. N. M. Hauenstein and Prof. E. S. Geller

Glasgow, Trevin Earl  
A Longitudinal Investigation of the Mental Health Benefits of Physical Activity Among Graduate Students  
Committee Chair: Prof. E. S. Geller

Hammer, Ana  
Grandmothers’ and Mothers’ Emotion Socialization Through Intergenerational Reminiscing in Underrepresented Families in the U.S.  
Committee Chair: Prof. J. C. Dunsmore

Huskey, Alisa Mae  
Computational and Human Learning Models of Generalized Unsafty  
Committee Chair: Prof. B. H. Scarpa-Friedman
Lewis, Michael
Genetic Risk Factors for PTSD: A Gene-Set Analysis of Neurotransmitter Receptors
Committee Chair: Prof. R. T. Jones

Smith, Isaac
Profiles of Internalizing Symptomatology and Social Motivation in Youth with ASD
Committee Chair: Prof. S. W. White

DOCTOR OF EDUCATION

THE VIRGINIA-MARYLAND COLLEGE OF VETERINARY MEDICINE

BIOMEDICAL & VETERINARY SCIENCES

Ketusing, Naree
Assessment of Foot and Mouth Disease (FMD) Control Policies and Their Implementation in the Proposed FMD-Free Zone in Thailand
Committee Chair: Prof. V. E. Ragan and Prof. J. L. Hodgson

INTERDISCIPLINARY DEGREES

Boribong, Brittany Phatana
A Mathematical-Experimental Strategy to Decode the Complex Molecular Basis for Neutrophil Migratory Decision Making
Committee Chair: Prof. L. Li and Prof. C. N. Jones

Jalihal, Amogh Prabhav
Modeling and Analysis of Nutrient Signaling in Budding Yeast
Committee Chair: Prof. J. J. Tyson and Prof. T. M. Murali

MACROMOLECULAR SCIENCE AND ENGINEERING

Chatham, Camden Alan
Structure-Property-Process Relationships Toward Predicting Polymer Printability in Powder Bed Fusion Additive Manufacturing
Committee Chair: Prof. T. E. Long and Prof. C. B. Williams

Haring, Alexander Philip
Sensing in 3D Printed Neural Microphysiological Systems
Committee Chair: Prof. B. Johnson

Venkatraman, Priyja
Design, Processing, and Characterization of Nanocomposites
Committee Chair: Prof. E. J. Foster

Vondrasek, Britannia
Hydration Mechanisms in Ionic Polysulfones for Desalination Membrane Applications
Committee Chair: Prof. J. J. Lesko and Prof. J. S. Riffee

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH

Brook, Rebecca Michaela
The Biological and Immunological Effects of Irreversible Electroporation and Combination Therapy Options for Improving the Treatment of Pancreatic Cancer
Committee Chair: Prof. I. C. Allen

Toole, Holly Sullivan
The Limits of Perceived Control: Novel Task-Based Measures of Control Under Effort and in Anhedonia
Committee Chair: Prof. J. A. Richey

DOCTOR OF EDUCATION

COLLEGE OF LIBERAL ARTS AND HUMAN SCIENCES

CURRICULUM AND INSTRUCTION

Belcher, Diane Louise
Factors Inhibiting Completion of a Program of Study at a West Virginia Community and Technical College
Committee Chair: Prof. W. T. Price, Jr.

EDUCATIONAL LEADERSHIP AND POLICY STUDIES

Boone, Luke Elliott
Perceptions of the Supports and Professional Development for and Needed by Novice School Administrators in Southwestern Virginia
Committee Chair: Prof. M. D. Alexander

Boyles, Emily Tolley
Principals’ Role in Fostering School-Family Partnerships: Improving the Achievement of Students Living in Poverty within Rural Appalachia
Committee Chair: Prof. C. A. Mullen

Byrd-Wright, Angela Nicole
How Culturally Responsive Leaders and Teachers Influence the Mathematics Performance of High School and Middle School African American Students in One Virginia School Division
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Cioppa, Tracy Ann
Teachers’ Perceptions of Principal Classroom Observational Feedback and Its Impact on Instructional Practices
Committee Chair: Prof. C. S. Cash

Dunbar, Michael Nathan
Identifying Critical Incidents That Affect the Sustainment of Positive Behavior Interventions and Supports in Schools with Five Years or More of Implementation Through the Lens of Diffusion of Innovation in One School Division
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Gerald, Shameka Nicole
Measuring Principal Technology Leadership and Behaviors: A Quantitative Study
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Hairston, Sonji Chavez
Perceptions of School Leaders Regarding the Effectiveness of Their Principal Preparation Program
Committee Chair: Prof. C. S. Cash

Hicks, Priscilla Lafond
Challenges Elementary Public School Teachers Face When Teaching Military-Connected Students
Committee Chair: Prof. C. S. Cash

Lyle, Douglas Wayne
Investigating the Virginia Preschool Initiative’s Role in Preparing Students for Kindergarten
Committee Chair: Prof. C. A. Mullen

Mazurek, Bethany Christine
Evaluating Collaborative Relationships Between K-12 Public and Private Day Schools in Virginia
Committee Chair: Prof. C. A. Mullen

Mitchell, Amelie S.
Social Justice Leadership Practices of National ESEA Distinguished Principals
Committee Chair: Prof. W. J. Glenn

Rowden, Elizabeth Szydlo
Response to Intervention: A Case Study Documenting One School’s Successful Implementation
Committee Chair: Prof. W. J. Glenn
Sherrod-Wilson, Sherri Teresa
Principal’s Perceptions of the Implementation of Interventions and Strategies to Reduce Chronic Absenteeism
   Committee Chair: Prof. C. S. Cash and Prof. T. S. Price

Shields, Lee Brantley
Teacher Resilience in Central Virginia: How Veteran Teachers Become Resilient
   Committee Chair: Prof. C. A. Mullen

Van der Linden, Courtney Adele
An Historical Analysis of Fiscal Equity in the Commonwealth of Virginia: 2004-2018
   Committee Chair: Prof. C. S. Cash

Wickham, Barbara Martin
Designing Effective Professional Development for Teaching Students in Poverty: Impact on Teacher Beliefs and Classroom Practice
   Committee Chair: Prof. C. A. Mullen

Williams, Clifton C.
A National Study of the Association of Christian School International Schools Head of School Leadership Characteristics
   Committee Chair: Prof. C. S. Cash

**EDUCATION SPECIALIST DEGREE**

**COLLEGE OF LIBERAL ARTS AND HUMAN SCIENCES**

**CURRICULUM AND INSTRUCTION**

Kuehl, Rachelle Elizabeth

**EDUCATIONAL LEADERSHIP AND POLICY STUDIES**

Bowler, Candice Jennifer
Bush, Brenda Alida
Carey, Christopher Charles
Diaz, Julissa Josefina
Fleisher, Brent Philip
Jarquin-Tokosh, June Marie
McCraw, Olivia Catherine
Schnipper, April Marie
Simmons, Britney Ryan
Touhey, Katelyn Elizabeth
Trebel, Hillary Ola
Willis, Christina J.

**MASTER’S DEGREES**

**COLLEGE OF AGRICULTURE AND LIFE SCIENCES**

**MASTER OF SCIENCE**

**AGRICULTURAL AND APPLIED ECONOMICS**

Wearaduwa Vidana Kankanamge, Thilani Kaushalya

**AGRICULTURAL AND LIFE SCIENCES**

Arnold, Janice Leigh
Bechard, Alexandra Lou
Carmichael, Emily Jayne
Fink, Sarah Wyso
Labiaga, Janelle Stephanie Celeste
Lilley, Dylan Thomas
Magarity, Regan Ayleen

Mason, John E.
Nantob-Bikatui, N’Lemahoule
Scott, Alyssa Torre
Vermaak, Stuart James

**ANIMAL AND POULTRY SCIENCES**

Claire, Olivia Mary
Langford, Taylor Andrew
Oberding, Natalie R.
Price, Tanner Paige
Pyne, Alicia Marie
Seekford, Zachary Kent
Seymour, Kacie Tinnesz

**CROP AND SOIL ENVIRONMENTAL SCIENCES**

Boyd, Luke David-Allen
Herrmann, Matthew Alexander
Lancaster, Caroline Marie
Lord, Nilanka Anthony
Morrison, Benjamin Anthony
Ogunmayowa, Oluwatosin Thompson

**HUMAN NUTRITION, FOODS AND EXERCISE**

Davis, Grace Nicole
Eacho, Rebecca Anne
Herra, Lindsay Marie
Nelson, Rachel A.

**MASTER OF SCIENCE IN LIFE SCIENCES**

**AGRICULTURAL AND EXTENSION EDUCATION**

McGonagle, Maureen Quinn
Rowell, Jacob Ramone
Scott, Jasmine Layne
Young, Carmen Dasiana

**BIOCHEMISTRY**

Antal, Ryan
Gagliano, Elisa
Martinez, Marisela A.
Park, Olivia Hanna
Richardson, Megan Leigh
Sharp, Amanda Kristine
Upshur, Irving Forde
Wynne, Nicole Elizabeth

**DAIRY SCIENCE**

Nin-Velez, Alexandra Irma
Richardson, Emily Sue

**ENTOMOLOGY**

Brichler, Kirsten Nicole
Bryant, Timothy Basil
Little, Chantelle Jenae
Miller, Duncan Joseph
Riedel, Corey Stewart Robert

**FOOD SCIENCE AND TECHNOLOGY**

Essenmacher, Lauren Alexis
Marik, Claire Margaret
Moore, Amy Nicole

**HORTICULTURE**

Encardes, Nicole A.
Griggs, Roland Stephen
Sibley, Ashley N.
Wagner, Jennie Faith

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE
Gonzales Diaz, Andie Alexander
Scruggs, Eric Brandon

COLLEGE OF ARCHITECTURE AND URBAN STUDIES

MASTER OF ARCHITECTURE
Alkhatib, Sara
An, Sharon Heera
Asbell, Jonathan Clark
Boughton, Ryan Baxter
Cinalli, Michael Anthony
Cline, Brett Alexander
Cornell, Taylor Alexandra
Foss, Erik Alexander
Gore, Brian Christopher
Granger, Danielle Ray
Hariri, Leen Nazih
Hedayati, Mahsa
Jiang, Huihai
Johnson, Bryan Wacey
Li, Jie
Lohani, Pratik
Malikawi, Randa Fuad
Perez, Maura Annette
Powers, Shane Patrick
Ramos, Audrey Marie
Reed, Jackson Alexander
Rumage, Luke Thomas
Samad, Sumaya Binte
Spitnale, Brian Douglas
Sridhar, Vidusha
Urey Fernandez, Juan Pablo
Wolf, Collin Benjamin
Zhou, Feicen

MASTER OF FINE ARTS
CREATIVE TECHNOLOGIES
Alarid, Renee Aurelia
Soares Souza de Souza, Aline Regina

MASTER OF PUBLIC ADMINISTRATION
PUBLIC ADMINISTRATION/PUBLIC AFFAIRS
Baron, Sarah Bernice
Denny, Anna Alexis
Dunn, Samantha Michelle
Grey, Zane Livingston
Hodgson, Lucas Walter
Hunley, Lesley Rae
Jaimes, Alberto E.
Jones, Matthew Hartman
Kim, Do Young
Laflin, Emily Cothran
Mace, Margaret Elizabeth
Moore, Vicky L.
Morris, Mackenzie Claire
Namkung, Eun Ju
Plowman, Ellen Christine
Shannon, Benjamin Boos
Singleton, Lashawnda
Southall, Amy Leeanne
Thompson, William Francis

MASTER OF SCIENCE
ARCHITECTURE
Jalali, Mansoureh Sadat

BUILDING/CONSTRUCTION SCIENCE AND MANAGEMENT
Davis, Alyssa Nicole
DeLeone, Dominick Vincent
Hager, Julia Shae
Moore, Margaret O'Brien
Delcid, Jose Robert
Devereux, Andrew Stephen-Rhys
Girma, Dinah
Grace, Allen Ryan
Henley, Laurie Carol
Hulsult, Amelia Ray
James, Owain
Kahl, Alexandra Claire
Mack, Timothy James
Mahdu, Samantha Nicole
Mathena, Stephanie Kay
Posthumus, Ashley Alena
Sharma, Shubhankar
Swiderski, Jonathon Isaac
Touzel, Emily Nicole
Treonor, Kathryn Lynn
Wang, Yang
Yadav, Surbhi
Youngren, Madeline Elizabeth

MASTER OF PUBLIC AND INTERNATIONAL AFFAIRS
Fernandez Brillet, Aida
Maness, Ryan Jacobson
Mohamad Muhamed, Bukhari Abdelrahman
Noori, Mohammad Saber
Shamsulldin, Sarkawt L.

PAMPLIN COLLEGE OF BUSINESS

MASTER OF ACCOUNTING AND INFORMATION SYSTEMS
Akarsu, Mehmet Selman
Almousa, Omar Wael
Atamylidiz, Ryan Kurt
Benson, Ryan Michael
Bills, Randall Thomas
Bowoleksono, Lebdo Handaru
Brightly, Douglas William
Clark, John Ross
Collins, Sara Elizabeth
Debo, William Ryan
Dixit, Shweta
Dolgos, Abigail Mary
Dovel, Courtney Ames
Fong, Chun-Ting
### MASTER OF BUSINESS ADMINISTRATION

- Asonganyi, Kayla Alemnji
- Babale, Asif Iqbal
- Bautista, Jennifer Lynn
- Boshonek, Robert Walter
- Bragg, Coady Jan
- Evans, Paul Andre, Jr.
- Good, Eric Brian
- Gray, Christopher Lawrence
- Hagerty, Brandon John
- Hansen, Michele Jennifer Walk
- Hartleroad, Joel Michael
- Hord, Christopher Adam
- Kadumoori, Omprakash
- Kapadia, Reepal Arvind
- Kharat, Girish Jijaba
- Kramer, Sabrina Rae
- Ladas, Alexandra Christina
- Lee, JongSun
- Li, Stephanie K.
- Martinez, Haydee
- Mooers, Brian Alan
- Orellana, Abner
- Pillai, Ajay Parthasarathy
- Planert, Tobias
- Quinlan, Shannon Kathleen
- Reese, Kyle Owen
- Rufino, Lashawnda
- Rufino, Loren Anthony
- Sangani, Darshan
- Saunders, Bradley Richardson
- Shamim, Bilal Ahmed
- Sharma, Gajender
- Shome, Abir
- Simon, Tovonrina
- Sims, Jackson Douglass
- Thakur, Vishwas
- Valade, Jared Matthew Serra
- Vasudevanpillai, Ramesh Karthikeyan Nair
- Walker, Russell
- Zerihun, Behailu

### COLLEGE OF ENGINEERING

#### MASTER OF ENGINEERING

##### AEROSPACE ENGINEERING

- Hoff, Jason Andrew
- Kleinfelter, Austin William

##### CHEMICAL ENGINEERING

- Redman, Matthew Cruz
- Sharma, Niket

##### COMPUTER ENGINEERING

- Asif, Areeb
- Bheda, Mohak Sunil
- Chougule, Sharvari Shirish
- Guo, Yu
- Gupta, Saksham
- Jain, Prerit
- Joshi, Parisha M.
- Karthik, Akshay Kumar
- Kaw, Anikate
- Kotian, Ashish Suresh
- Kumar, Soumya Arvind
- Malhotra, Smridh
- Sardana, Saumya
- Sundaresan, SuryaPrakash
- Thomas, Ashin Marin
- Ying, Luoxiao

##### COMPUTER SCIENCE AND APPLICATIONS

- Chhikara, Naman
- Irwin, Michael Scott

##### ELECTRICAL ENGINEERING

- Lai, Liangzhi
- Li, Xiyuan
- Naineni, Nihal
- Qian, Yizhou
- Sharma, Yamini
- Sreeram, Nirmala

##### INDUSTRIAL AND SYSTEMS ENGINEERING

- Bagalkotkar, Kiran Kelsey
- Bhatia, Karan
- Bhatt, Aakash Nayakunmar
- Chowdhury, Anjik
- Devadiga, Sonam Shyam
- Jagtap, Prachi Pratapsinh
- Jajodia, Ankit
- Kapadia, Akshat Divyang
- Keni, Mans Sanjay
- Ko, Sangjin
- Mehta, Amit Sanjeev
- Navarro Navarro, Nicolas Dario
- Rao, Anurag Prakash
- Ren, Chengying
- Rossi-Alvarez, Alexander I.
- Shah, Mitali Umesh
- Shah, Umang Manish
- Stokes, Hannah Katherine

### MASTER OF SCIENCE

#### BUSINESS ADMINISTRATION

- Abreham, Hani Bahr
- Alhokiar, Saud Khalid N.
- Andrade, Jason
- Haj, Adel Ahmed
- Henderson, Henry Parker, III

- Kirk, Tyler Sugino
- Luck, Heather Ann
- Sewell, Emily Rose
- Tkachenko, Yuliia
Sura, Niket Samir
Yao, Yue

MATERIALS SCIENCE AND ENGINEERING
RoghaniNad, Mohsen

MECHANICAL ENGINEERING
Hill, Daniel P., Jr.

MASTER OF ENGINEERING ADMINISTRATION
Madeira, Anthony Michael

MASTER OF SCIENCE
AEROSPACE ENGINEERING
Bardhan, Rohan
Beardsley, Colton Tack
Bergan, Bryan Robert
Bhattarai, Suyash
Blevins, Brian Douglas
Brodeur, Alec Christopher
Curtis, William Clifford
D’Souza, Kevin Edwin
Du, Minzhen
Evans, Julianna Marie
Halefom, Mekonen H.
Higgins, Erik Tracy
Jain, Prachi Lalit
Letic, Stefan Josip
Morelli, John Anthony Mark
Powers, Sean William
Rau, Carli Elise
Sakhawala, Gaurav Mansukh
Shah, Harshil Dipen
Sibai, Munira
Sluss, Dillon Powell
Ventura Gargioni, Gustavo
Woodlief, Colby Bryant
Zelenka, Adam Noah

BIOLOGICAL SYSTEMS ENGINEERING
Modi, Parthkumar Ashishbhai
Smith, Ethan Pace

BIOMEDICAL ENGINEERING
Mottley, Carolyn Yvette

CIVIL ENGINEERING
Ali, Muhammad
Awasthi, Vardan
Baron, Stefany A.
Calderon, Daniel Robert
Chen, Helen Yuen
Cheng, Mark Lambert Uy
Consolvo, Samuel Thomas
Douglas, Mary Keith
Ebrahim, Fatemah Mohammad
Flanery, Amelia Lynn
Glass, Michael Zachary
Goel, Ishan
Gonzalez, Dana Jean
Gothelf, Philip William
Grinton, Charlie Wendell, Jr.
Gurram, Vikas
Helfrich, Emma Claire
Honardoust, Dylan Russell
Jefferson, Dwayne Ernest
Johnson, Jalen Gerrel
Keku, Daniel Adedayo
Kharel, Pratiksha
Kumar, Ashutosh
Lad, Chinmay Abhay
Markley, Lee Ellen
McEntee, Allison Leigh
Miller, Cyan Tasha
Miller, Paul Francis
Mohsin, Hisyam
Mosuela, Kristine Angela
Naseri, Mohammad Yunus
Neeli, Yeshwanth Sai
Nissar, Naheed
O’Connor, Virginia Roach
Phillips, Stephen Ronald
Ramirez Brenes, Kirk Rommel
Shugart, Zachary David
Sk. Md., Ishraque
Spencer, Matheu Storme
Stevens, Ryan Taylor
Stewart, Mia Louise
Todd, Elizabeth Ann
Trump, Joshua Jordan
Wszniewski, Matthew Vincent
Zarat-Basir, Mahyar

COMPUTER ENGINEERING
Bharadwaj, Abhijith Ananth
Bhaskar, Sandhya
Buckingham, Nicole A.
Coleman, Flora Anne
Demeri, Anthony K.
Frederiksen, Steven Jon
Gadgil, Kalyani Surendra
GaoPande, Meghana Lakshmidhar
Geissinger, John Herman
Gondhalekar, Atharva Madhav
Goswami, Pronnony
Kahu, Sampanna Yashwant
Lin, Yousi
Long, Zihao
Manjunatha Bharadwaj, Sandhya
Messou, Ehounou Joseph Christopher
Persons, Jeffrey Brewster
Rafeeq, Akhil Ahmed
Su, Shih-Yang
Theyyar Maalolan, Lakshman
Xu, Hao
Yom, Jinwoo

COMPUTER SCIENCE AND APPLICATIONS
Ahuja, Naman
Azizi, Ahmadreza
Bendelac, Alon
Bu, Jie
Chandluri, Rohit Kumar
Choudhry, Arjun
Cui, Xuewen
Dhar, Siddharth
Fan, Jixiang
Finch, Dylan Keifer
Frantz, Miles Eugene
Hu, Tianrui
Ibrar, Fahad
Jude, Pakalak Mignon
Kodur Kumar, Harini
Li, Liyan
Liu, Shuai
Ma, Nuo
McCullen, Jeffrey Reynolds
Mehrotra, Maanav
Mi, Siyu
Nadeem, Muhammad Hassan
Pasad, Viral Shrikant
Peri, Deepthi
Phelps, Andrew Jacob
Torfi, Amirsina
Vora, Parth Harish
Wang, Jiamin
Wang, Ming
Wang, Ye
Whang, JooYoung
Xu, Chao
Xu, Zijian
Ye, Jiacheng

ELECTRICAL ENGINEERING
Akbar, Yousef MAH
Appiah-Kubi, Jennifer
Baweja, Randeep Singh
Bigg, Benjamin Adams
Chatterjee, Shubhajeet
Delvecchio, Matthew David
Devineni, Jaya Kartheek
Haque, Ashraful
Huang, Long Tian
Karki, Sagar
Li, Jiayu
Li, Yanlong
Mangette, Clayton John
Marinkovich, Aaron James Angelo
Nam, David Sang
Nam, Wonil
Qi, Chensen
Rangwala, Murtaza Juzer
Razavi Borghel, Seyyed Moein
Rye, Rebecca Pilar
Skoff, Nicholas Michael
Su, Xu
Thornton, Charles E., III
Zhu, Ruoxi

ENGINEERING MECHANICS
Anderson, Gabriel Donn
Kastriner, Maxine Sarah
Shaffer, Irena Marie
Umashankar, Viverjita

ENVIRONMENTAL ENGINEERING
Buch, Khantil Parag
Dargan, Sahil
Hare, Michael A.
Hogard, Samantha Ann
Joshi, Soumil Yogesh
Krishnamurthy, Soundarya
Matynowski, Eric D.
Riehl, Jacob Buckwin
Suresh, Sreerag
Weber, Adrianna Michelle

ENVIRONMENTAL SCIENCES AND ENGINEERING
Dziura, Thomas Michael

MATERIALS SCIENCE AND ENGINEERING
Monk, John Lawrence, III

MECHANICAL ENGINEERING
Aghamdi, Abdulrahman Saeed
Budolak, Daniel Wojciech
Chen, Xiangtong
Dickerson, Laura Carroll
Ghosh, Arindam
Giroix, Thomas Joseph, III
Gong, Scott Young
Han, Xiaoxue
Liu, Purong
Martin, Joseph Bacon, V
Mast, Timothy Edward
Merrill, Nicholas Swede
Modi, Rishit Bipinkumar
Moreno, Kevin Joel
Norwood, Charles Ellis
Pang, Zhoubao
Pesek, Taylor Harrison
Rahman, Aneelina
Ravi, Bharath Ram
Repisky, Philip Vaclav
Wu, Xihui
Xiong, Qiuchi

MINING ENGINEERING
Guse, Paige Marie
Morrison, Ethan David
Tan, Xinyu

NUCLEAR ENGINEERING
Hurley, Paul Raymond

OCEAN ENGINEERING
Afonja, Adetoso Justus
Shane, Alan Christopher
Zanella, Matthew Robert

SYSTEMS ENGINEERING
Bailey, Savannah Leigh
Bolar, Scott Donald
Cho, Christopher Chi-Fai
Davis, Kirsten Ann
Laughlin, Jenny Faye
McDymont, Samantha Jean
Tan, Richard Matthew Samonte

COLLEGE OF LIBERAL ARTS
AND HUMAN SCIENCES

MASTER OF ARTS
COMMUNICATION
Cline, Morgan Paige
Davis, Jeannette Katherine
Grimes, Catherine
Hotter, Jocelyn Irene
Keene, Kyra Margaret
King, Jessica Lynn
McCaul, Emily Patricia
Radaj, Ryan Gregory
Schneider, Kathryn Frances
ENGLISH
Dresch, Lorraine Elizabeth
Merz, Anna Caitlin
Omurova, Dana

FOREIGN LANGUAGES, CULTURES, AND LITERATURES
Fleming, Teresa Apple
Jezierski, Katherine Graves

HISTORY
Ball, Tyler A.
Boyd, Taylor Rae
Legg, John Robert
Stewart, Emily Marie

MATERIAL CULTURE AND PUBLIC HUMANITIES
Aga, Shanice Alecia
Combates, Alexandra Hallie

POLITICAL SCIENCE
Blankenship, Spencer Edward
Byg, Reed Lauren
Chavez, Jason Nathaniel
Daudani, Rayhan
Dorsch, Jessica Frances
Gee, Kelly Tsiphtsis
Kansco, Jacob Anthony
Orjales, Andres Penovi
Riebsame, Patrick James
Santoro, Patrick Thomas
Schoonover, Kyle Michael
Sellers, Christopher Davis
Wolfe, David Robert

MASTER OF ARTS IN EDUCATION
COUNSELOR EDUCATION
Altizer, Kelsey Brooke
Castedo, Carolina I.
Cohen, Emma Cameron
Conlin, Samantha Nicole
Dallas, Caitlin M.
Deacon, Jordan Nicole
Delaughter, Paul Michael
Drewry, Samantha Renee
Jones, Chyanna Marie
Kwon, Woori
Lyon, Dana Katherine
Neal, Emily McKenna
Phillips, Darian Elizabeth
Smith, Hope Ann
Stansfield, Natalie Rene
Thompson, Alexis Briana
Tiffany, Heather-Marie Rocio
Vose, Kaitlin Elizabeth
Wilburn, Bailey Hobson
Williams, Julianna Christine

CURRICULUM AND INSTRUCTION
Adams, Ryan Ray
Allen, Lucas Blake
Altimus, Jewel L.
Ambrosio, Jessie Elizabeth
Ange, Hannah Abigail
Appiah, Christiana
Arnold, Steven William
Autukaitė, Radvile
Axline-Barrow, Allisand Elizabeth
Babineau, Matthew John

Balog, Alexandra Elizabeth
Bell, Jamie Caitlin
Blevins, Hailey Alannah
Braford, Clare Sydney
Clark, Brittany Star
Compher, Sarah Diane
Cronk, Molly Suzanne
Danielson, Emlyne Kuntlis
Desmond, Mary Michaela
Elston, Duncan Patrick
Fisher, Emily Rose
Fisher, Kimberly Dawn
Flach, Anna May
Fowler, Sarah Nichole
Freeman, Caroline Grace
Gentry, Gregory William
Gilman, Alyssa Paige
Grinde, Jordan Elizabeth
Hampton, Alayna Cherie
Hepner, Sierra Soleil
Hinders, Helen Wymard
Hipple, Britton Tyler
Huges, Jesse Wayne
Kantz, Ethan D.
Kelly, Dana Nicole
Langston, Lorain Marie
Ledford, Keely Lynn
Lee, Connor Aiden
Logan, Lauren Elizabeth
Magnant, Allison Jannette
McGuinness, Jacklyn Marie
Miller, William John, IV
Moniuszko, Laura Elizabeth
Morrison, Joshua Donnelly
Newman, Anne Kelly
Perdue, Leah Renee
Petraglia, Lydia Katherine
Pitman, Annalisa Kathleen
Powers, Molly Ruth
Ragland, Dalton Eliott
Randel, Dustin C.
Re, Joseph Castagna
Rizzetta, Emily Elizabeth
Rony, Makayla Marie
Schwartz, Leah Rose
Staskin, Emily Lynn
Stegall, Mary Catherine
Stenzel, Katherine Ann
Swartz, Ella Eliza
Ulrich, Sarah Ann
Vaile, Meredith Grace
Wade, Connor Andrew
Wieder, Jamie Sophia
Wilde, Katherine Anne
Williams, Emily Ann
Wright, Emily Noel
Young, Amanda Marie
Zang, Ye

EDUCATIONAL LEADERSHIP AND POLICY STUDIES
Barnett, Stacey Michele
Barycki, Scott
Gillen, Brittany S.
Kelly, Catherine Elaine
Richards, Catherine Brame
Thomas, James Lyndon

HIGHER EDUCATION AND STUDENT AFFAIRS
Chambliss, Tierra Sharay
Clement, Allyson Joyce
Hill, Kaylynn Rose
Joseph, Leah Brionda
Lancaster, Breanna Nicole
COLLEGE OF NATURAL RESOURCES
AND ENVIRONMENT

MASTER OF FORESTRY
Sprouls, Jason Michael

MASTER OF NATURAL RESOURCES
Bryant, Kassandra DeLoise
Culbertson, William Mahone, IV
Fioramonti, Kasey Sheryl-Ann Hale
Fisher, Ryan Addison
Gordon, Patrick Ward
Kerr, Amy Petrovich
Kirkton, Janet Luise
Lee, Jung Eun
Martchouk, Ekaterina
Raschilla, Christina Rae
Shuck, Jessica Marie
Smith, Michael Craig

MASTER OF SCIENCE
FISHERIES AND WILDLIFE
Aubin, Gisele Rosalie
Berge, Earle Johnathan
Nkwalale, Lipa Gutani Terrence
Walker, Katie M.

FORESTRY AND FOREST PRODUCTS
Bugledits, Dorina
Coffey, Sarah E.
Gonzalez, Juan Jose
Navarro Navarro, Nicolas Dario
Perkins, La’ Portia Jasmine
Quesenberry, Chandler Blake
Word, Clayton Stewart

GEOGRAPHY
Chase, Hudson Russell
Goeke Dee, Gretchen Elise
Harris, Ryley Capps
McKnight, Molly Xi
Morrow, James Jowdy
Rosenman, Alexander Teixeira
Starner, Joshua D.
Telionis, Pyros A.
Villarreal, Mark David
West, Eric Allan
Whittemore, Aaron Maitland

SCIENCE AND TECHNOLOGY STUDIES
Alexakos, Zachary
Avery, Jessica Lynn
Hu, Ke
Johnson, Kathryn Ann
Leff, Jack Rance
Smith, Tiffany Lynn

SOCIOLOGY
Drewry, Holli G.
Murrell, Gerlyn

COLLEGE OF SCIENCE

MASTER OF ARTS
ECONOMICS
Eells, Eric James
Sedaghatkish, Nazanin
Woo, Yuri

MASTER OF SCIENCE IN EDUCATION

CAREER AND TECHNICAL EDUCATION
Cassell, Emily Briana
Hodges, Daniella Faith
MacNeill, Mikayla Hope
Murphy, Katelyn Ann
Preston, Sarah Elizabeth
Shinn, Heather Renee
Spencer, Jessica Grace
Williams, Emily Marie

MASTER OF SCIENCE
HUMAN DEVELOPMENT
Campbell, Avery Renee
Carrese, Domenica Holzie
Dowling, Laura Emily
Farchtchi, Masumeh Auguste
Hendrickson, Kaly Marie
Janes, Emily Elizabeth
Ridgell, Meredith Lynne
Simpson, Jessica Erin
Sterling, Pamela Beth
Verster, Nicola
Wardle, Taylor Michael

COLLEGE OF SCIENCE
MASTER OF ARTS IN DATA ANALYSIS AND
APPLIED STATISTICS

Gladfelter, Jessica Anne

MASTER OF SCIENCE

BIOLOGICAL SCIENCES

Hucul, Catherine Elizabeth
Kelly, Sean D.
Meakem, Victoria
Rowley, Allison Annette

CHEMISTRY

Jones, Nicholas Anthony
Weaver, Jeffrey Robert

GEOSCIENCES

Benton, Joshua Robert
Konzen, Graydon Leo
Rothschild, Tyler James
Schwid, Maxwel Fredrick
Szczyrba, Laura Danielle

MATHEMATICS

Li, Yichen
Macatula, Romcholo Yulo
Murphy, Aidan W.
Paruchuri, Sai Tej
Quinlan, Isis Angelina Marie
Rhodes, Benjamin Robert
Sanyal, Shree
Shaplin, Richard Martin, III
Sharma, Harsh Apurva
Valvo, Daniel William

PHYSICS

Gartin, Peter Benjamin
Herath Mudiyanselage, Rathsara Rasanjalee Herath
Nandi, Riya
Shi, Junhui

PSYCHOLOGY

Salan, Jefferson Dejesus

THE VIRGINIA-MARYLAND COLLEGE OF
VETERINARY MEDICINE

MASTER OF PUBLIC HEALTH

Aleshinloye, Sodiq Yinka
Burks, Rachel Carson
Buttling, Lauren Grace
Eggborn, Jenna Macon
Eisner, Katherine Elizabeth
Goyanko, Monica Gayle
Hargrove, Angelina J.
Krones, Sarah Anne
Lovegrove, Harper Manette
Medrano, Miranda Benita
Meyer, Catherine Madison
Miller, Allison Denise
Mills, Jordan Alexandra
Nasim, Armaghan
Nguyen, Sarah Vu
Outram, Malik Jibri

Parkhurst, Laura Beth
Pattath, Priyadarshini K.
Price, Tierra Dominique
Schweikert, Emilie Hope
Seay, Samantha Renee
Smolins, Aimee Marie
Whitfield, Caleb Daniel
Work, Sarah Nicole
Wu, Tiance

MASTER OF SCIENCE

BIOMEDICAL & VETERINARY SCIENCES

Buttling, Lauren Grace
Davis, Anastacia Marie
Walter, Kayla A.

INTERDISCIPLINARY DEGREES

MASTER OF INFORMATION TECHNOLOGY

Abay, Wondwossen
Aden, Bashe Abdillahi
Ali, Bilal Ilbar
Amarteifo, Daniel A.
Aquino, Anna Barr
Bales, John C.
Bayarsaikhan, Shijir
Bonnette-Lyakens, Kyle Jay
Brown, Cody Ross
Camerer, Matthew Jerome
Casimir, Garvin J.
Causey, Jordan S.
Cleverdon, Benjamin Ross
Compton, Kelsey Marie
Doran, Jared Tyler
Doyle, Katherine Mary
Emerson, Alexander Scott
Farkas, Angela Susana
Fletcher, Morgan Leigh
Forbush, Joshua Jeffrey
Gorkhalee, Ryan Lal
Greer, Iain Macgregor
Ha, Nguyen Huy Khoi
Hairston, Brandon Saunders
Haugen, Erica Laan
Hening, Sterling Waller
Herbert, Jacob Matthew
Hester, Malik Haneef Muhammad
Honeycutt, Addison Quinn
Ilievich, Molly Marie
Ito, Collin Masato
Jordan, Sam Jackson
Kappler, Thomas Andrew
Kasumovic, Ermina
Krokos, Irene
Le, Huyen Thanh
Lieu, Stephanie Nhi
Llorente, Jacob Anthony
Ma, Yiyang
MacLeod, Grant Schoonover
Maynard, Zachariah Liam
McCormick-Goodhart, Joel Leander
Moran, Kristin Fraser
Ngo, Courtenay Nicole
O’Day, Kyle Patrick
Olivieri, Austin Caleb
Outing, Jordan Soleil
Petrovic, Lana
Phillips, Amelia Elain
Prabhu, Sujatha Narayanan
Quach, Phu Minh
Reape, Sarah Naomi
Reilly, William
Richter, Siegfried Horst Joachim
Rogers, Sharmesa Mercedes
Rogers, Taylor Ray
Rahimian, Maryam
Rhodes, Adam Paul
Schulte, Michael A.
Shakil, Jabran B.
Smar, Anthony Don
Speshock, Paul Nathaniel
Storck, Michael Henry
Sullivan, Peter John, III
Thakar, Sejal Jignesh
Thapa, Jeewan
Trichel, Melanie Myers
Tsehay, Abuye M.
Whitney, Matthew David
Williamson, Christopher Elijah Brandon
Yi, Min Soo
Young, Theresa Michelle
Zaman, Ali

MASTER OF SCIENCE
MACROMOLECULAR SCIENCE AND ENGINEERING
Cashman, Mark Francis
Liu, Wei

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH
North, Morgan Hunter

GRADUATE CERTIFICATES
BUSINESS ANALYTICS AND DATA MINING
Kappler, Thomas Andrew

DATA ANALYTICS
He, Zhixing
Maftouni, Maede
Thomas, Ashin Marin
Zhang, Yaxuan

ECONOMIC DEVELOPMENT
Lua, Kian Loong

EDUCATIONAL RESEARCH
Mullins, Sara Brooke
Shayo, Asha Habibu
Shin, Eunkyung

FUTURE PROFESSORIATE
Alanazi, Mohammed Awwad
Appiah-Kubi, Jennifer
Baron, Sarah Bernice
Black, Kathleen Miles
Brieant, Alexis Emily
Carper, Kathleen Elizabeth
Clark, Elizabeth Anne
Dahshan, Mai
Donnelly, Sarah Rebecca
Dupuis, Eric Donald
Elouini, Maha
Ensaifi, Mahnaz
Gadalla, Dina M.
Guerra Moscoso, Vanessa Esthela
Hipple, Britton Tyler
Hotter, Jocelyn
Jain, Akshay
Mann, Jessie Elizabeth
Moarefi, Maryam
Mohammadhasanzadeh, Sogand
Motshubi, Rudisang
Netto, Brett Raymond
Obeidat, Laith Mohammad
Paradise, Tawni Michon
Rahimi Golkhandan, Armin
Sherry, Samuel
Shrestha, Chandani
Singh, Japsimran
Wang, Yan

GEOSPATIAL INFORMATION TECHNOLOGY
Bork, Summer Joy
Marcillo, Cristina Elizabeth
Naseri, Mohammad Yunus
Semel, Brandon Pierce

GERONTOLOGY
Namkung, Eun Ju

GLOBAL PLANNING AND INTERNATIONAL DEVELOPMENT STUDIES
Aleshinloye, Sodiq Yinka
Schweikert, Emilie Hope

GLOBAL SUSTAINABILITY
DeFonza, Raina Marie
Fendley, Jeremy
Martchouk, Ekaterina
Mein, John Robert
Sanderson, Claire E.
Shuck, Jessica M.

HIGHER EDUCATION ADMINISTRATION
Li, Susan

HUMAN-CENTERED DESIGN
Sanghavi, Harsh Kamalesh

HUMAN-COMPUTER INTERACTIONS
Sanghavi, Harsh Kamalesh

INFORMATION TECHNOLOGY MANAGEMENT
Shah, Raj

INTEGRATIVE STEM EDUCATION
Carter, Sarah Fae
Hipple, Britton Tyler

INTERDISCIPLINARY WATER AND HEALTH SCIENCE
Kostelnik, Samantha Bond

LOCAL GOVERNMENT MANAGEMENT
Craft, Laura Ruth
Harris, Paul Matthew
Holman, Hilary Mae
Mitchell, Austin Ray
NATURAL RESOURCES
Biddle, Cortland Patrick-Joseph
Gustafson, Richard Rawlings
Hensley, Lindsay E.
Kowalski, Andrew James
Madsen, Nikolai Vejen
Patel, Binita Pradip
Perron, Nichole A.
Raschilla, Christina Rae
Sherrow, Erica L.
Smoyer, Marie
Tenpenny, Nancy M.
Thurston, Patricia
Titus, Shannon Frances
Van Duyne, Thomas W.

NAVAL ENGINEERING
Zanella, Matthew Robert

PROBLEM SOLVING FOR LEADING CHANGE
Carper, Kathleen Elizabeth

PUBLIC AND NONPROFIT FINANCIAL MANAGEMENT
Miller, Allison Denise

PUBLIC HEALTH
Coleman, Emma Elizabeth

PUBLIC HISTORY
Felton, Jeffrey Alan
Legg, John Robert

SECURITY STUDIES
Schoonover, Kyle Michael

SOFTWARE DEVELOPMENT
Lieu, Stephanie Nhi
Thapa, Jeevan
Tischler, Matthew Jacob

URBAN COMPUTING
Kotut, Lindah

WATERSHED MANAGEMENT
Sprouls, Jason Michael