

FALL 2020



THE GRADUATE SCHOOL
Dean Karen P. DePauw

DOCTOR OF PHILOSOPHY

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

AGRICULTURAL AND EXTENSION EDUCATION

December 17, 2020

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

Kuri, Subrato Kumar
Exploring Teaching Practices of the Agricultural
Education at Bangladesh Agricultural University
(BAU)
Committee Chair: Prof. K. A. Vines

August 14, 2020

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

ANIMAL AND POULTRY SCIENCES

December 17, 2020

Kroscher, Kellie Ann
Nutritional Strategies to Improve Pig Growth and
Performance
Committee Chair: Prof. R. P. Rhoads, Jr.

Zhu, Jing
The Modulation of Autoimmune Disease Progression
in Mouse Models
Committee Chair: Prof. C. M. Leeth

Zumbaugh, Charles Arthur
Nutritional Strategies for Growing Cattle in the
Southeastern United States
Committee Chair: Prof. T. B. Wilson

Zumbaugh, Morgan Daughtry
Exploring a Nutrient Sensor as a Means to Improve
Animal Growth
Committee Chair: Prof. D. E. Gerrard

August 14, 2020

Khodambashi Emami, Nima
Managing Poultry Gut Integrity, Immunity and
Microbial Balance During Necrotic Enteritis
Challenge
Committee Chair: Prof. R. A. Dalloul

Uh, Kyung-Jun
Maintaining Proper Levels of DNA Methylation
Marks Through the TET Family is Critical for
Normal Embryo Development in Pigs
Committee Chair: Prof. K. Lee

ANIMAL SCIENCE, DAIRY

December 17, 2020

Owens, Connor Emmet
Phenotypic and Microbial Influences on Dairy Heifer
Fertility and Calf Gut Microbial Development
Committee Chair: Prof. R. Cockrum

BIOCHEMISTRY

December 17, 2020

Ahmed, Tahmina Hossain
Underlying Mechanisms of Juvenile Jormone (JH)
and Its Analog in Regulating Mosquito Reproduction
Committee Chair: Prof. J. Zhu

Umana Torres, Ariana
Mechanistic Studies of Fusobacterium Genetic and
Defense Systems
Committee Chair: Prof. D. J. Slade

CROP AND SOIL ENVIRONMENTAL SCIENCES

December 17, 2020

DeVilbiss, Stephen Edward
Effects of Freshwater Salinization and Associated
Base Cations on Bacterial Ecology and Water Quality
Committee Chair: Prof. B. D. Badgley and Prof. M.
K. Steele

Hilaire, Sheldon Shervon
Impact of Agricultural Practices on Manure Borne
Antimicrobial Resistant Elements (AREs) in
Agroecosystems
Committee Chair: Prof. K. Xia

August 14, 2020

Pearce, Austin Willis
Moving Virginia Dairy Farms Toward Phosphorus
Balance
Committee Chair: Prof. R. O. Maguire

ECONOMICS

December 17, 2020

Zhang, Zeya
Three Essays on Development Economics in Sub-
Saharan African Countries
Committee Chair: Prof. J. R. Alwang and Prof. K.
M. Cobourn

August 14, 2020

Villacis-Aveiga, Alexis Homero
Empirical Studies in Production Economics and
International Agricultural Development Issues
Committee Chair: Prof. G. W. Norton and Prof. J.
R. Alwang

FOOD SCIENCE AND TECHNOLOGY

December 17, 2020

Hughes, Michael Douglas
Investigating the Influence of Aged and Non-Aged
Garlic Extracts on the Biosynthesis of Gut Microbial
Metabolite Trimethylamine N-Oxide
Committee Chair: Prof. M. A. Ponder

Kang, David Suk-Kee
Quantitative Microbial Risk Assessment Model to
Estimate Exposure to Campylobacter from
Consumption of Chicken in the United States
Committee Chair: Prof. J. D. Eifert

August 14, 2020

Jin, Qing
Process Design and Techno-Economic Analysis of an
Integrated Grape Pomace Biorefinery
Committee Chair: Prof. H. Huang

Schonberger, Harry Lester
Food Safety Education Challenges and Opportunities
in Virginia's Food Recovery Organizations
Committee Chair: Prof. R. R. Boyer

HORTICULTURE

December 17, 2020

Kiremit, Merve
Bacterial Fruit Blotch Disease of Cucurbits
Committee Chair: Prof. G. E. Welbaum

HUMAN NUTRITION, FOODS AND EXERCISE

December 17, 2020

Fausnacht, Anna Gustafson
Human Behavior and Community Science
Committee Chair: Prof. V. E. Hedrick

Rincon Gallardo Patino, Sofia
Challenges and Opportunities for Member States to
Implement Resolution WHA63.14 to Restrict the
Marketing of Unhealthy Food and Non-alcoholic
Beverage Products to Children to Decrease Global
Obesity and Non-Communicable Disease Risks by
2025
Committee Chair: Prof. V. I. Kraak

Steketee, Abby Meadema
Methods, Paradigms, and Practices: Advancing
Dissemination and Implementation Science
Committee Chair: Prof. S. M. Harden

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE

December 17, 2020

Brewer, John Richard
Optimizing Topramezone and Other Herbicide
Programs for Weed Control in Bermudagrass and
Creeping Bentgrass Turf
Committee Chair: Prof. S. D. Askew

Craft, Jordan Michael
Factors That Govern Zoysiagrass Response to
Herbicides Applied During Spring Green-up
Committee Chair: Prof. S. D. Askew

**COLLEGE OF ARCHITECTURE
AND URBAN STUDIES**
**ARCHITECTURE AND
DESIGN RESEARCH**

December 17, 2020

Lee, Hana
A Collective Sense of Place and the Image of the
City @ Urban Public Spaces: Social Media Content
Analysis of Pictures and Hashtags on Instagram
Committee Chair: Prof. M. Kim

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

**ENVIRONMENTAL DESIGN
AND PLANNING**

August 14, 2020

Chen, Kaiwen
Analysis and Management of UAV-Captured Images
Towards Automation of Building Facade Inspections
Committee Chair: Prof. G. Reichard

**PLANNING, GOVERNANCE, AND
GLOBALIZATION**

December 17, 2020

Boggs-Parker, Carmen Elana
Meeting the Self and the Other: Intercultural
Learning During a Faculty-led Short-term Service
Course
Committee Chair: Prof. M. O. Stephenson, Jr.

Cranwell, Lindy B.
University Comprehensive Internationalization (CI):
Faculty Meaning-Making, Motivations, and
Perceptions for Engaging Globally
Committee Chair: Prof. M. O. Stephenson, Jr. and
Prof. D. R. Simmons

Donahue, Connor Patrick
Mare Imperium: The Evolution of Freedom of the
Seas Discourse in U.S. Foreign Policy
Committee Chair: Prof. T. W. Luke and Prof. I.
Stivachtis

Merabishvili, Gela
The Politics of Border Walls in Hungary, Georgia
and Israel
Committee Chair: Prof. G. Toal

Young, Arica Nicole
Social Capital in Cohousing: Understanding How
One Community Builds Ties
Committee Chair: Prof. R. Buehler

August 14, 2020

Agnew, Jessica Lauren
Buying to Thrive: Exploring the Potential for Market-
Based Approaches to Contribute to Increases in Diet
Diversity in Mozambique
Committee Chair: Prof. K. Boyle and Prof. R. P.
Hall

Camacho Carvajal, Luis Felipe
Technology, Participatory Management Practices
(PMP), and Dignity at Work: Negotiating the Use of
Technology in a Plastics Packaging Firm
Committee Chair: Prof. R. P. Hall

White, Daniel M
Sport and Social Capital: Perceptions of Sport for
Development Organization Leaders' in Kigali,
Rwanda
Committee Chair: Prof. M. O. Stephenson, Jr.

**PUBLIC ADMINISTRATION/
PUBLIC AFFAIRS**

December 17, 2020

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

PAMPLIN COLLEGE OF BUSINESS

BUSINESS, ACCOUNTING AND INFORMATION SYSTEMS

August 14, 2020

Hale, Kevin Jackson

The Impact of Constraining Auditor Behavior and
Audit Committee Questioning on Non-GAAP
Reporting Decisions

Committee Chair: Prof. S. Bhattacharjee

BUSINESS, FINANCE

August 14, 2020

Li, Fan

Two Essays on Institutional Investors

Committee Chair: Prof. J. Xu

BUSINESS, MARKETING

August 14, 2020

Gupta, Debjit

Essays on the Management of Online Platforms:
Bayesian Perspectives

Committee Chair: Prof. D. Chakravarti and Prof. J.
Jiang

COLLEGE OF ENGINEERING

AEROSPACE ENGINEERING

December 17, 2020

Alanbay, Berkan

Static and Free Vibration Analysis of Composite
Laminated and Sandwich Plates Using Ritz Method

Committee Chair: Prof. R. K. Kapania and Prof. R.
C. Batra

Balantrapu, Neehar Agastya

The Space-time Structure of an Axi-symmetric
Turbulent Boundary Layer Ingested by a Rotor

Committee Chair: Prof. W. J. Deavenport

Hickling, Christopher John

Inhomogeneous, Anisotropic Turbulence Ingestion
Noise in Two Open Rotor Configurations

Committee Chair: Prof. W. N. Alexander

Kang, Chang Koo

Development of a Peripheral-Central Vision System
to Detect and Characterize Airborne Threat

Committee Chair: Prof. C. A. Woolsey

Moon, Chi Young

Optical Measurements of Gas Turbine Inlet Ingested
Particles Using Machine Learning

Committee Chair: Prof. K. T. Lowe

Povolny, Stefan Jean-Rene

Investigating the Thermo-Mechanical Behavior of
Highly Porous Ultra-High Temperature Ceramics
Using a Multiscale Quasi-Static Material Point
Method

Committee Chair: Prof. G. D. Seidel

Rathod, Chirag Sanjay

Examining Plasma Instabilities as Ionospheric
Turbulence Generation Mechanisms Using Pseudo-
spectral Methods

Committee Chair: Prof. W. A. Scales and Prof. B.
Srinivasan

Somero, John Ryan

Structure and Persistence of Surface Ship Wakes

Committee Chair: Prof. J. A. Schetz and Prof. E. G.
Paterson

Xue, Weicheng

CPU/GPU Code Acceleration on Heterogeneous
Systems and Code Verification for CFD Applications

Committee Chair: Prof. C. J. Roy

August 14, 2020

Ren, Zhongshu

Hydroelasticity of High-Speed Planing Craft Subject
to Slamming Events: An Experimental and

Numerical Investigation of Wedge Water Entry

Committee Chair: Prof. C. M. Gilbert

Sharma, Harsh Apurva

Structure-preserving Numerical Methods for
Engineering Applications

Committee Chair: Prof. C. A. Woolsey and Prof. M.
J. Patil

Wagner, Katherine Mott
Optimization of Disaggregated Space Systems Using
the Disaggregated Integral Systems Concept
Optimization Technology Methodology
Committee Chair: Prof. J. T. Black

BIOLOGICAL SYSTEMS ENGINEERING

December 17, 2020

Ali, Syed Azhar
Sustainable Management of Water Resources and
Hydropower Projects in the Context of the Food-
Energy-Water Nexus in the Mekong River Basin
Committee Chair: Prof. V. R. Sridhar

Saylor, Kyle Lucas
Computational Evaluation and Structure-based
Design for Potentiation of Nicotine Vaccines
Committee Chair: Prof. C. Zhang

Wind, Lauren Lee
Characterizing Antibiotic Resistance in
Agroecosystems
Committee Chair: Prof. W. C. Hession and Prof. L.
H. Krometis

August 14, 2020

Nayeb Yazdi, Mohammad
Understanding the Role of Scale in Assessing
Sediment and Nutrient Loads from Coastal Plain
Watersheds Delivered to the Chesapeake Bay
Committee Chair: Prof. D. T. Scott Iv and Prof. D.
J. Sample

Thilakarathne, Bandara Mudiyansele Madusanka
Nuwan
Modeling the Dissemination of Antibiotic Resistance
in Aquatic Environments
Committee Chair: Prof. V. R. Sridhar

BIOMEDICAL ENGINEERING

December 17, 2020

Eltahir, Amnah Mohamed
Novel Electrochemical Methods for Human
Neurochemistry
Committee Chair: Prof. P. R. Montague, Jr.

Garrett, Joel Frederick
Microfluidic Flow Creation in the Insect Respiratory
System
Committee Chair: Prof. R. V. Davalos and Prof. J.
Socha

Yates, Keegan M
Protection of Rear Seat Occupants Using Finite
Element Analysis
Committee Chair: Prof. C. D. Untaroiu

CHEMICAL ENGINEERING

December 17, 2020

An, Yaxin
Transferable Course-grained Models: From
Hydrocarbons to Polymers, and Backmapped from
Machine Learning
Committee Chair: Prof. L. E. Achenie and Prof. S.
A. Deshmukh

Boyce, Kennedy Rose
Modeling Fiber Orientation and Elastic Properties
Using Empirical Parameters Obtained from Non-
Lubricated Squeeze Flow for Injection Molded Long
Carbon Fiber Reinforced Nylon 6,6
Committee Chair: Prof. D. G. Baird

Deng, Chengyu
Microfluidics for Low-input Epigenomic Analysis
and Its Application to Brain Neuroscience
Committee Chair: Prof. C. Lu

Gilmer, Eric Lee
Physics Based Modeling and Characterization of
Filament Extrusion Additive Manufacturing
Committee Chair: Prof. M. J. Bortner

Han, Jier Yang
Generation of Thermotropic Liquid Crystalline
Polymers (TLCs) Reinforced Multi-scale
Thermoplastic In Situ Composites with Applications
in Injection Molding and Fused Filament Fabrication
(FFF)
Committee Chair: Prof. D. G. Baird

Kuo, Chun-Te
Structure Sensitivity in the Subnanometer Regime on
Pt and Pd Supported Catalysts
Committee Chair: Prof. A. M. Karim

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

Zhong, Yongliang
Development of Controlled Ring-Opening
Polymerization of O-Carboxyanhydrides
Committee Chair: Prof. R. Tong

CIVIL ENGINEERING

December 17, 2020

Aljamal, Mohammad Abdulraheem
Real-Time Estimation of Traffic Stream Density
Using Connected Vehicle Data
Committee Chair: Prof. H. A. Rakha

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

Meroni, Fabrizio Luigi
Optimizing the Use of Reclaimed Asphalt Pavement
(RAP) in Hot Mix Asphalt Surface Mixes
Committee Chair: Prof. G. W. Flintsch

Quick, Tyler James
A Framework for Evaluating Liquefaction Triggering
Potential Due to Induced Seismicity
Committee Chair: Prof. J. K. Mitchell and Prof. R.
A. Green

Santizo, Katherine Yoana
Mixing Zones and Mixing Dependent Reactions in
the Hyporheic Zone
Committee Chair: Prof. E. T. Hester

Shrestha, Shivesh
Incorporation of the Traffic Speed Deflectometer
Measurements Into a Pavement Management System
Committee Chair: Prof. G. W. Flintsch

August 14, 2020

Afzalan, Milad
Data-driven Customer Energy Behavior
Characterization for Distributed Energy Management
Committee Chair: Prof. F. Jazizadeh Karimi

Martin, Rebekah Leighann
Impact of Premise Plumbing Conditions, Materials,
Corrosion Control, Temperature and Water Heater
Design on the Growth of Opportunistic Pathogens in
Drinking Water
Committee Chair: Prof. M. A. Edwards

Mirmohammadsadeghi, Navid
Development of an Aircraft Landing Database and
Models to Estimate Aircraft Runway Occupancy
Times
Committee Chair: Prof. A. A. Trani and Prof. S.
Hotle

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

COMPUTER ENGINEERING

December 17, 2020

Choi, Jin-Woo
Action Recognition with Knowledge Transfer
Committee Chair: Prof. J. Huang

Hassan, Mohamed Wasfy Abdelfattah
Using Workload Characterization to Guide High-
Performance Graph Processing
Committee Chair: Prof. P. M. Athanas

August 14, 2020

Krothapalli, Ujwal K
Regularization, Uncertainty Estimation and Out of
Distribution Detection in Convolutional Neural
Networks
Committee Chair: Prof. A. L. Abbott

COMPUTER SCIENCE AND APPLICATIONS

December 17, 2020

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

Dahshan, Mai Mansour Soliman Ismail
Visual Analysis of High Dimensional Simulation
Ensembles
Committee Chair: Prof. C. L. North and Prof. N. F. Polys

Mehta, Sneha
New Methods for Event Detection and Extraction
Committee Chair: Prof. N. Ramakrishnan

Muthiah, Sathappan
A Hybrid Micro-Tasking Framework for Event
Coding
Committee Chair: Prof. N. Ramakrishnan

Tao, Rongrong
Anomalous Information Detection in Social Media
Committee Chair: Prof. N. Ramakrishnan

Zhao, Nannan
Towards a Flexible High-efficiency Storage System
for Containerized Applications
Committee Chair: Prof. A. Butt

August 14, 2020

Ahmadian, Mansoorh
Hybrid Modeling and Simulation of Stochastic
Effects on Biochemical Regulatory Networks
Committee Chair: Prof. J. J. Tyson and Prof. Y. Cao

Bharadwaj, Aditya
Mixed-Initiative Methods for Following Design
Guidelines in Creative Tasks
Committee Chair: Prof. T. M. Murali and Prof. K. Luther

Chen, Zhiqian
Graph Neural Networks: Techniques and
Applications
Committee Chair: Prof. C. Lu

Dash, Sajal
Exploring the Landscape of Big Data Analytics
Through Domain-Aware Algorithm Design
Committee Chair: Prof. W. Feng

Forouzes, Negin
Efficient Biomolecular Computations Towards
Applications in Drug Discovery
Committee Chair: Prof. A. Onufriev

Glandon, 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

Jan, Steve T K
Robustifying Machine Learning Based Security
Applications
Committee Chair: Prof. G. Wang and Prof. B. Viswanath

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

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

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

Paul, Arnab Kumar
An Application-Attuned Framework for Optimizing
HPC Storage Systems
Committee Chair: Prof. A. Butt

Pratapa, Aditya
Algorithms for Regulatory Network Inference and
Experiment Planning in Systems Biology
Committee Chair: Prof. T. M. Murali

Rahaman, Sazzadur
From Theory to Practice: Deployment-grade Tools
and Methodologies for Software Security
Committee Chair: Prof. D. Yao

Shukla, Manu
Big Data Tools Based Distribution of Graph and
Applied Learning Techniques
Committee Chair: Prof. C. Lu

Song, Ziqian
The Impact of Corporate Crisis on Stock Returns: An
Event-driven Approach
Committee Chair: Prof. E. A. Fox and Prof. W. Fan

Torfi, Amirsina
Privacy-Preserving Synthetic Medical Data
Generation with Deep Learning
Committee Chair: Prof. E. A. Fox

Wadhwa, Bharti
Scalable Data Management for Object-based Storage
Systems
Committee Chair: Prof. A. Butt

ELECTRICAL ENGINEERING

December 17, 2020

Chamas, Ibrahim Ramez
The Analysis and Design of Phase-tunable Low-
Power Low-Phase-Noise I/Q Signal Sources for
Analog Phase Calibrated Transceivers
Committee Chair: Prof. S. Raman

Chatterjee, Shubhajeet
On Enabling Virtualization and Millimeter Wave
Technologies in Cellular Networks
Committee Chair: Prof. A. B. MacKenzie and Prof.
M. J. Abdel-Rahman

Drikas, Zachary Benjamin
New Techniques for Time-Reversal-Based
Microwave Pulse Compression
Committee Chair: Prof. S. Raman

Feng, Junjie
Omnidirectional Wireless Power Transfer for
Portable Device Application
Committee Chair: Prof. Q. Li

Feng, Ziang
Wearable Power Sources and Self-powered Sensors
Based on the Triboelectric Nanogenerators
Committee Chair: Prof. X. Jia

He, Jiayi
Acoustic Sensor with Solid Waveguide for Structural
Health Monitoring in Harsh Environment
Committee Chair: Prof. A. Wang

Hsieh, Yi-Hsun
Accurate Small-Signal Modeling for Resonant
Converters
Committee Chair: Prof. F. C. Lee

Huang, Yan
Real-Time Resource Optimization for Wireless
Networks
Committee Chair: Prof. Y. T. Hou

Huang, Zhengrong
SiC-Based High-Frequency Soft-Switching Three-
Phase Rectifiers/Inverters
Committee Chair: Prof. Q. Li

Li, He
Privacy Preserving and Authentication Technologies
in Network Applications
Committee Chair: Prof. J. Park

Li, Virginia
Control and Modeling of High-Frequency High-
Density Voltage Regulator Modules for Point-of-
Load Application
Committee Chair: Prof. Q. Li

Lohmannia, Pedram
Time-Variant Components to Improve Bandwidth
and Noise Performance of Antennas
Committee Chair: Prof. M. Manteghi

Mesgarpour Tousi, Maryam
Electric Field Grading and Electrical Insulation
Design for High Voltage, High Power Density Wide
Bandgap Power Modules
Committee Chair: Prof. M. Ghassemi

Naik, Gaurang Ramesh
Coexistence of Vehicular Communication
Technologies and Wi-Fi in the 5 and 6 GHz Bands
Committee Chair: Prof. J. Park

O'Lone, Christopher Edward
Statistical Analysis of Geolocation Fundamentals
Using Stochastic Geometry
Committee Chair: Prof. R. M. Buehrer and Prof. H.
Dhillon

Ramdaspalli, Sneha Raj
Peak Demand Reduction and Energy Savings in
Commercial Buildings Via HVAC Set-point
Interventions
Committee Chair: Prof. S. Rahman

Wu, Ziling
Deep Learning-based Multiscale Structural
Representation and Dynamic Damage Pattern
Recognition for Natural Cellular Solids
Committee Chair: Prof. Y. Zhu

Yang, Shuo
Femtosecond-Laser-Enabled Fiber-Optic
Interferometric Devices
Committee Chair: Prof. A. Wang

Yeh, Chih-Shen
Fully Soft-Switching Modulation Method for SRC-
Unfolding Inverter
Committee Chair: Prof. J. S. Lai

Yellu, Augustine Dormorvi
Second Harmonic Generation Stimulated
Electromagnetic Emissions During High Power High
Frequency Radio Wave Interaction with the
Ionosphere
Committee Chair: Prof. W. A. Scales

August 14, 2020

An, Hongyu
Powering Next-Generation Artificial Intelligence by
Designing Three-dimensional High-Performance
Neuromorphic Computing System with Memristors
Committee Chair: Prof. Y. Yi

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

Chetlur Ravi, Vishnu Vardhan
Stochastic Geometry for Vehicular Networks
Committee Chair: Prof. H. Dhillon

Ferdowsi Khosrowshahi, Aidin
Distributed Machine Learning for Autonomous and
Secure Cyber-physical Systems
Committee Chair: Prof. W. Saad

Lee, Moonhyun
Digital-Based Zero-Current Switching (ZCS) Control
Schemes for Three-Level Boost Power-Factor
Correction (PFC) Converter
Committee Chair: Prof. J. S. Lai

Ramezanpour, Keyvan
A Deep Learning Approach to Side-Channel
Analysis of Cryptographic Hardware
Committee Chair: Prof. W. J. Diehl and Prof. P. K.
Ampadu

Rao, Raghunandan M.
Enhancing Performance of Next-Generation
Vehicular and Spectrum Sharing Wireless Networks:
Practical Algorithms and Fundamental Limits
Committee Chair: Prof. J. H. Reed and Prof. V.
Marojevic

Saha, Chiranjib
Advances in Stochastic Geometry for Cellular
Networks
Committee Chair: Prof. H. Dhillon

ENGINEERING EDUCATION

August 14, 2020

Kinoshita, Timothy Jon
An Exploration of the Enrollment and Outcomes of
the Virginia Governor's STEM Academies
Committee Chair: Prof. D. B. Knight

ENGINEERING MECHANICS

December 17, 2020

Alnuaimi, Saeed Khalfan
Phenomenological Model of Piezoelectric Energy
Harvesting From Galloping Oscillations and Remote
Vibration Sensing
Committee Chair: Prof. S. A. Ragab and Prof. M. R.
Hajj

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

Meesala, Vamsi Chandra
Nonlinear Effects in Contactless Ultrasound Energy
Transfer Systems
Committee Chair: Prof. M. R. Hajj and Prof. S.
Shahab

August 14, 2020

Bakhtiari Nejad, Marjan
Dynamics of Multi-functional Acoustic Holograms in
Contactless Ultrasonic Energy Transfer Systems
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

Hossain, Md monir
Computational Analysis of Internal Coral
Hydrodynamics
Committee Chair: Prof. A. E. Staples

INDUSTRIAL AND SYSTEMS ENGINEERING

August 14, 2020

Darabi, Negar
A Multi-Level Analysis of Major Health Challenges
in the United States Using Data Analytics
Approaches
Committee Chair: Prof. N. Hosseinichimeh

Li, Yifu
Data Filtering and Modeling for Smart
Manufacturing Network
Committee Chair: Prof. R. Jin

MATERIALS SCIENCE AND ENGINEERING

December 17, 2020

Scherbarth, Austin Daniel
The Role of Surface Preparation of Reaction Bonded
Silicon Carbide and Process Parameters in Plasma
Sprayed Silicon Coating Adhesion and Splat
Behavior
Committee Chair: Prof. G. R. Pickrell

Yang, Ni
Fundamental Understanding and Functionality of
Silicon Oxycarbide
Committee Chair: Prof. P. Lu

August 14, 2020

Cesewski, Ellen
Design and Fabrication of Piezoelectric Sensors and
Actuators for Characterization of Soft Materials
Committee Chair: Prof. B. Johnson

MECHANICAL ENGINEERING

December 17, 2020

Batani, Vahid
Isogeometric Approach to Optical Tomography
Committee Chair: Prof. R. L. West, Jr.

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

Li, Liurui
The Material Separation Process for Recycling End-
of-life Li-ion Batteries
Committee Chair: Prof. Z. Li

Li, Xiaofan
Design, Analysis and Testing of a Self-reactive Wave
Energy Point Absorber with Mechanical Power Take-
off
Committee Chair: Prof. L. Zuo

Munir, Nazia Binte
Manufacture and Characterization of Gold-Black and
Prediction and Measurement of Its Directional
Spectral Absorptivity
Committee Chair: Prof. J. R. Mahan

Nazari, Ashkan
Multi-scale FE Modeling of Rubber Friction Toward
Prediction of Hydroplaning Potential
Committee Chair: Prof. S. Taheri

Njaka, Taylor Dean
Design, Simulation, and Experimental Validation of a
Novel High-Speed Omnidirectional Underwater
Propulsion Mechanism
Committee Chair: Prof. P. Ben-Tzvi and Prof. S.
Brizzolara

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

Paruchuri, Sai Tej
Modeling and Estimation of Linear and Nonlinear
Piezoelectric Systems

Committee Chair: Prof. A. J. Kurdila

Radmehr, Ahmad
Experimental Evaluation of Wheel-Rail Interaction

Committee Chair: Prof. M. Ahmadian

Saltzman, Ashley Joelle
Spatiotemporally-resolved Velocimetry for the Study
of Large-scale Turbulence in Supersonic Jets

Committee Chair: Prof. W. Ng and Prof. K. T.

Lowe

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

Yin, Xiaoyan
Study of the Biosonar System of Living Bat and its
Biomimetic Reproductions

Committee Chair: Prof. R. Mueller

August 14, 2020

Lee, Hyeon
Spatial Audio for Bat Biosonar

Committee Chair: Prof. M. J. Roan

Lu, Yingqi
Green Sustainable Manufacturing and Direct
Recycling of Lithium-Ion Batteries

Committee Chair: Prof. Z. Li

Talamadupula, Krishna Kiran
Computational Investigation of Strain and Damage
Sensing in Carbon Nanotube Reinforced
Nanocomposites with Descriptive Statistical Analysis

Committee Chair: Prof. G. D. Seidel

Tenney, Charles M.
Impedance-based Nondestructive Evaluation for
Additive Manufacturing

Committee Chair: Prof. P. A. Tarazaga and Prof. C.
B. Williams

MINING ENGINEERING

December 17, 2020

Lado, Flora Eyoha Severino
Thermal Enhanced Oil Recovery and Potential
Benefits for Use of Produced Water for Agriculture
and Food Security: A Case Study of Oil Fields in
South Sudan

Committee Chair: Prof. N. S. Ripepi

August 14, 2020

Du, Fengshuang
Investigation of Nanopore Confinement Effects on
Convective and Diffusive Multicomponent
Multiphase Fluid Transport in Shale using In-House
Simulation Models

Committee Chair: Prof. B. Nojabaei

NUCLEAR ENGINEERING

December 17, 2020

Dsouza, Brendan Harry
Material Degradation Studies in Molten Halide Salts

Committee Chair: Prof. J. Zhang

Mascolino, Valerio
Development and Benchmarking of FM Particle
Transport Algorithms for Steady-state and Transient
Conditions, Implementation in RAPID and its VRS
web-application

Committee Chair: Prof. A. Haghighat

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES

CURRICULUM AND INSTRUCTION

December 17, 2020

Alshammari, Mohammed Habib
Investigating the Faculty Behavioral Intentions to
Adopt Learning Management Systems (LMSs) in a
Higher Education Institution in Saudi Arabia

Committee Chair: Prof. K. R. Potter

Alshehri, Khaled Ghanem
Technology Adoption and Integration at a University
in Saudi Arabia: A Descriptive Study

Committee Chair: Prof. B. B. Lockee

Banks-Hunt, Joan Maria
Exploring Design Thinking for Instructional Practice
Committee Chair: Prof. P. E. Doolittle

Lupton, Gary Taylor
Self-Identified Professional Development Needs of
Virginia Career and Technical Education Teachers
Committee Chair: Prof. W. T. Price, Jr.

Potter, Barry Scott
An Analysis of Technology and Engineering
Education Assessments
Committee Chair: Prof. B. D. Bowen

Raab, Rebecca Raine
The Induction and Mentoring Experiences of New
English as a Second Language and Bilingual
Teachers
Committee Chair: Prof. B. S. Billingsley and Prof.
T. O. Williams, Jr.

Richardson, Kasey Lee
Analyzing Stakeholder Perceptions of Gaps in Public
Sexuality Education: Curriculum, Context, and
Community
Committee Chair: Prof. B. D. Jones

Walker, Matthew Daniel
Technology Gatekeeping: How High School Social
Studies Teachers Navigate Technology in the
Classroom
Committee Chair: Prof. D. Hicks

August 14, 2020

Jones, Jameson Harris
Teaching Inside Out in Appalachia: Identity
Development of Insider/Outsider Teachers
Committee Chair: Prof. G. A. Tilley-Lubbs

Shepherd, Ann Brogan
Black and White: Race, Culture, and Urban Renewal
Committee Chair: Prof. G. A. Tilley-Lubbs

EDUCATIONAL LEADERSHIP AND POLICY STUDIES

December 17, 2020

Klimaitis, Cindy Carter
Instructional Practices for Science, Technology,
Engineering, and Mathematics (STEM) Lessons for
K-12 Students with Disabilities: Perceptions of

Teachers From a Virginia Suburban School Division
Committee Chair: Prof. C. A. Mullen

Witcher, Angelica W
Investigating Academic and Psychosocial Outcomes
for First-Generation African American Postsecondary
Students Who Completed Early College Access
Programing: A Qualitative Case Study
Committee Chair: Prof. C. A. Mullen

HIGHER EDUCATION

August 14, 2020

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

Grote, Dustin Michael
Enhancing the Community College Transfer
Pathway: Exploring Aspects of Transfer Receptivity
at 4-Year Institutions in Engineering
Committee Chair: Prof. D. B. Knight

HUMAN DEVELOPMENT

December 17, 2020

Krizova, Katarina
A Longitudinal Examination of Family Factors in
Childhood Anxiety: The Role of Parental Anxiety
and Child Emotion Dysregulation
Committee Chair: Prof. M. L. Dolbin-MacNab and
Prof. C. Shivers

Natwick, Jameson Eric
Parental Experiences of Self-Identity and Family
Identity After a Child Acquires an Acquired Brain
Injury
Committee Chair: Prof. M. L. Dolbin-MacNab and
Prof. C. Shivers

RHETORIC AND WRITING

December 17, 2020

Murray, Savannah Paige
The Dam Fighters: Commons Environmental
Rhetoric, Rhetorical Citizenship, and Local Ethos
Committee Chair: Prof. K. M. Powell

August 14, 2020

Natishan, Georgia Kathryn
Standards, Shame, and Outrage: A Rhetorical History
of Sexual Assault and Policy Change in the US
Military
Committee Chair: Prof. K. M. Powell

SCIENCE AND TECHNOLOGY STUDIES

December 17, 2020

Kleine, Marie
Proselytizing Problem-Solving: The Religious and
Secular Values of Engineering for Good
Committee Chair: Prof. M. Wisnioski

August 14, 2020

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

SOCIAL, POLITICAL, ETHICAL, AND CULTURAL THOUGHT

December 17, 2020

Berrada, Nada
Contextualizing Everyday Practices of Agency
Among Moroccan Youth
Committee Chair: Prof. M. O. Stephenson, Jr.

Seref, Ezgi
Transforming Gender and Sexuality at the
Intersection of Personal, Political, and Professional:
The Promise of Legal Change in (Un)Becoming
Advocate (Avukat) in Turkey
Committee Chair: Prof. D. L. Brunsmma

SOCIOLOGY

December 17, 2020

Raonka, Pallavi
Munda Politics and Land: Understanding Indigeneity
in Jharkhand, India

Committee Chair: Prof. D. W. Wimberley and Prof.
N. M. Copeland

August 14, 2020

Lellock, John Slade
Crafting Legitimacy: Status Shifts, Critical
Discourse, and Symbolic Boundaries in the Cultural
Field of Craft Beer in the United States from 2002 to
2017
Committee Chair: Prof. D. L. Brunsmma

Mondal, Lipon Kumar
From Dispossession to Surplus Production: A Theory
of Capitalist Accumulation in Neoliberal Bangladesh
Committee Chair: Prof. D. L. Brunsmma and Prof. N.
M. Copeland

Robinson, Lisa Michelle
Milner's Theory of Status Relations and
Cyberbullying Among U.S. Adolescents
Committee Chair: Prof. J. E. Hawdon

COLLEGE OF NATURAL RESOURCES & ENVIRONMENT FISHERIES AND WILDLIFE

December 17, 2020

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

Hyde, John Murray
Analysis of Mussel Restoration in the Clinch and
Powell Rivers, Virginia for the Certus, Inc. and Lone
Mountain Processing, Inc. NRDAR Cases
Committee Chair: Prof. J. W. Jones

Hyde, Miluska Olivera
Development of Molecular and Morphological
Resources for Identification and Monitoring of
Freshwater Mussel Species in the Genera *Fusconaia*
and *Pleurobema* in the Green River, Kentucky
Committee Chair: Prof. J. W. Jones and Prof. E. M.
Hallerman

August 14, 2020

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

FORESTRY AND FOREST PRODUCTS

December 17, 2020

Adhikari, Sailesh
Assessment of Cross Laminated Timber Markets for
Low Value Hardwood Lumber
Committee Chair: Prof. H. J. Quesada

Ahlswede, Benjamin James
Fluxes of Carbon, Water, and Energy Between
Managed Ecosystems and the Atmosphere in
Virginia
Committee Chair: Prof. R. Q. Thomas

Houser, Cameron Kelly
The Effect of Forest Structure and Vegetation
Characteristics on Evapotranspiration: Implications
for Modeling and Management
Committee Chair: Prof. R. H. Wynne and Prof. V.
A. Thomas

Molina Montoya, Eduardo
Modeling of the Fundamental Mechanical
Interactions of Unit Load Components During
Warehouse Racking Storage
Committee Chair: Prof. L. Horvath

August 14, 2020

Steele, Jason Keith
Assessment of Silvicultural Practices to Improve
Survival and Growth of Pioneer and Mid-
successional Hardwoods on Old Field Restoration
Sites
Committee Chair: Prof. W. M. Aust and Prof. J. R.
Seiler

COLLEGE OF SCIENCE

BIOLOGICAL SCIENCES

December 17, 2020

Camper, Gary James
Secretion of a Von Willebrand Factor Domain
Containing Protein is Dependent on Type IV Pili In

the Gram-positive Anaerobe *Clostridium Perfringens*
Committee Chair: Prof. S. B. Melville

McClure, Ryan Paul
The Drivers of Freshwater Reservoir Biogeochemical
Cycling and Greenhouse Gas Emissions in a
Changing World
Committee Chair: Prof. C. C. Carey

Song, Wei
Structural Basis for Sulfatide Recognition by
Disabled-2
Committee Chair: Prof. D. G. Capelluto

August 14, 2020

Bartholomew, Holly Packard
In Planta Studies of the Corn Pathogen *Pantoea*
stewartii subsp. *stewartii* and Applications of a Corn-
based Industrial Byproduct
Committee Chair: Prof. A. M. Stevens

Compton, Keith Karl
The Nature of Host Plant Recruitment by the Sensory
Repertoire of *Sinorhizobium Meliloti*
Committee Chair: Prof. B. Scharf

Whitehead, John Gardner
An Examination of the Kinematics and Behavior of
Mallards (*Anas platyrhynchos*) During Water
Landings
Committee Chair: Prof. I. T. Moore and Prof. J.
Socha

CHEMISTRY

December 17, 2020

Cagasova, Kristyna
1,3-disubstituted-tetrahydro-beta-carbolines: A New
Method for Stereochemical Assignment and
Synthesis of Potential Antimalarial Agents
Committee Chair: Prof. J. M. Tanko and Prof. P. R.
Carlier

Kessinger, Matthew Carl
The Influence of Inner-Sphere Reorganization on
Rates of Interfacial Electron Transfer in Transition
Metal-Based Redox Electrolytes
Committee Chair: Prof. A. Morris

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

Orsino, Christina Marie
Influence of Sidechain Structure and Interactions on
the Physical Properties of Perfluorinated Ionomers
Committee Chair: Prof. R. B. Moore III

Pearce, Kirk C.
Advanced Quantum Mechanical Simulations of
Vibrational Circular Dichroism Spectra
Committee Chair: Prof. D. Crawford

August 14, 2020

Ding, Sha
Novel Antimalarial Compounds from the
Optimization of the Malaria Box
Committee Chair: Prof. P. R. Carlier

Sibley, Christopher David
Design and Synthesis of Orally Bioavailable
Sphingosine Kinase 2 Selective Inhibitors
Committee Chair: Prof. W. Santos

ECONOMICS, SCIENCE

December 17, 2020

Do, Hoang-Phuong
A Retrospective View of the Phillips Curve and Its
Empirical Validity Since the 1950s
Committee Chair: Prof. A. Spanos

Pilehvari, Asal
Essays in Health Economics
Committee Chair: Prof. W. You and Prof. X. Lin

August 14, 2020

Zhang, Xiaomeng
Experiential and Neurobiological Influences on
Economic Preferences and Risky Decision Making
Committee Chair: Prof. S. B. Ball and Prof. A. C.
Smith

GEOSCIENCES

December 17, 2020

Jones, Joshua Robert
Investigating Volcano-tectonic Interactions in the
Natron Rift of the East African Rift System
Committee Chair: Prof. D. S. Stamps

Marroquin, Selva Mariana
Evaluating Redox Cycling Across the Toarcian
Oceanic Anoxic Event with Implications for Paleo-
environmental Reconstructions and Organic Matter
Sulfurization
Committee Chair: Prof. B. C. Gill

Njinju, Emmanuel Atem
A Geodynamic Investigation of Magma-Poor Rifting
Processes and Melt Generation: A Case Study of the
Malawi Rift and Rungwe Volcanic Province, East
Africa
Committee Chair: Prof. D. S. Stamps

Rajaonarison, Tahiry Andriantsoa
A Geodynamic Investigation of Continental Rifting
and Mantle Rheology: Madagascar and East African
Rift Case Studies
Committee Chair: Prof. D. S. Stamps

Sendula, Eszter
Role of Fluids in Geological Processes
Committee Chair: Prof. R. J. Bodnar

August 14, 2020

Hoehner, Alexandria Janson
Chemical Controls on the Formation of Amorphous
and Crystalline Calcium Phosphates
Committee Chair: Prof. F. M. Michel

Wu, Hao
Numerical Investigations of Geologic CO₂
Sequestration Using Physics-Based and Machine
Learning Modeling Strategies
Committee Chair: Prof. R. Pollyea

MATHEMATICS

December 17, 2020

Gamble, Stephanie Nicole
Conical Intersections and Avoided Crossings of
Electronic Energy Levels
Committee Chair: Prof. G. A. Hagedorn

❖ Watson, Kevin Lee
Students' Conceptions of Normalization
Committee Chair: Prof. M. Wawro

August 14, 2020

Carracedo Rodriguez, Andrea
Approximation of Parametric Dynamical Systems
Committee Chair: Prof. S. Gugercin

Sinani, Klajdi
Finite Horizon Optimality and Operator Splitting in
Model Reduction of Large-Scale Dynamical System
Committee Chair: Prof. S. Gugercin

PHYSICS

December 17, 2020

Jiang, Zijian
Spin States in Bismuth and Its Surfaces: Hyperfine
Interaction
Committee Chair: Prof. J. J. Heremans

Li, Shengchao
Detection of Antineutrinos at the North Anna Nuclear
Generating Station
Committee Chair: Prof. J. M. Link

Mukhamadiarov, Ruslan Ilyich
Controlling Non-equilibrium Dynamics in Lattice
Gas Models
Committee Chair: Prof. U. C. Tauber

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

Subedi, Tulasi Prasad
Observation of Reactor Antineutrinos with the
CHANDLER Detector
Committee Chair: Prof. J. M. Link

August 14, 2020

Cui, Wei
Applications of Numerical Methods in Heterotic
Calabi-Yau Compactification
Committee Chair: Prof. J. A. Gray

PSYCHOLOGY

December 17, 2020

Liu, Ran
Fearful Temperament in Middle Childhood and
Anxiety Symptoms in Adolescence: The Roles of
Attention Biases, Effortful Control, and Frontal EEG
Asymmetry
Committee Chair: Prof. M. Bell

August 14, 2020

Brown, James Michael
Is Gloss a Cue for Real-World Object Size?
Committee Chair: Prof. A. Cate

Delk, Lauren Annabel
Assessment of Criminal Thinking as a Predictor and
Mediator of Behavior Problems in a Community
Youth Sample
Committee Chair: Prof. L. D. Cooper

DeVore, Benjamin Bradford
Posttraumatic Stress Disorder Vulnerability in
Women: The Neuropsychological Impact of
Emotional Trauma from Rape
Committee Chair: Prof. D. W. Harrison

McCurry, Katherine Lorraine
Translational Neuroimaging of Emotion Processes in
Posttraumatic Stress Disorder and Depression
Committee Chair: Prof. P. H. Chiu

Wang, John M
Trajectories of Risk Learning and Real-World Risky
Behaviors During Adolescence
Committee Chair: Prof. P. H. Chiu

STATISTICS

December 17, 2020

Huo, Shuning
Bayesian Modeling of Complex High-dimensional
Data
Committee Chair: Prof. H. Zhu

Lu, Danni
Representation Learning Based Causal Inference in
Observational Studies
Committee Chair: Prof. F. Guo

❖ Posthumous

August 14, 2020

Gao, Wenyu
Advanced Nonparametric Bayesian Functional
Modeling
Committee Chair: Prof. I. Kim

Kim, Byung-Jun
Semiparametric & Nonparametric Methods for
Complex Data
Committee Chair: Prof. I. Kim

Kodali, Lata
Extensions of Weighted Multidimensional Scaling
with Statistics for Data Visualization and Process
Monitoring
Committee Chair: Prof. L. L. House and Prof. S.
Sengupta

Xu, Yunnan
Statistical Methods for In-session Hemodialysis
Monitoring
Committee Chair: Prof. P. Du

Zhang, Boya
Computer Experimental Design for Gaussian Process
Surrogates
Committee Chair: Prof. R. B. Gramacy

THE VIRGINIA-MARYLAND COLLEGE OF VETERINARY MEDICINE

BIOMEDICAL & VETERINARY SCIENCES

August 14, 2020

Schroeder, Betsy
Finding Typhoid Mary: Identifying Latent Carriers of
Salmonella enterica serovar Typhimurium
Committee Chair: Prof. N. Sriranganathan

Waldrop, Steven G
Rough Leucine Auxotrophic Strains of Brucella
Expressing Salmonella Flagellin C Conjugated
Gonadotropins: An Immun contraceptive Brucellosis
Vaccine for Feral Swine Population Control
Committee Chair: Prof. N. Sriranganathan

INTERDISCIPLINARY DEGREES

GENETICS, BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

December 17, 2020

Law, Jeffrey Norman
Development and Application of Network
Algorithms for Prediction of Gene Function and
Response to Viral Infection and Chemicals
Committee Chair: Prof. T. M. Murali

August 14, 2020

Lee, Jiyoung
Computational Analysis of Gene Expression
Regulation from Cross Species Comparison to Single
Cell Resolution
Committee Chair: Prof. S. Li

INDIVIDUAL INTERDISCIPLINARY PHD

December 17, 2020

Rhoades, Michael Jewell
Composing Holochoric Visual Music:
Interdisciplinary Matrices
Committee Chair: Prof. Z. R. Duer

MACROMOLECULAR SCIENCE AND ENGINEERING

December 17, 2020

Li, Yuqin
Characterization and Modeling of the
Thermomechanical Properties of Wood-Based
Composites
Committee Chair: Prof. S. W. Case

Wilts, Emily Marie
Structure-property-processing Relationships Between
Polymeric Solutions and Additive Manufacturing for
Biomedical Applications
Committee Chair: Prof. T. E. Long

August 14, 2020

Chatham, Camden Alan
Property-Process-Property Relationships in Powder
Bed Fusion Additive Manufacturing of
Poly(phenylene sulfide): A Case Study Toward
Predicting Printability from Polymer Properties
Committee Chair: Prof. T. E. Long and Prof. C. B.
Williams

Scott, Philip Jonathan
Advancing Elastomers to Additive Manufacturing
Through Tailored Photochemistry and Latex Design
Committee Chair: Prof. T. E. Long and Prof. C. B.
Williams

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH

December 17, 2020

Brunal-Brown, Alyssa Alexandra
Effects of Constitutive and Acute Connexin 36
Deficiency on Brain-wide Susceptibility to PTZ-
induced Neuronal Hyperactivity
Committee Chair: Prof. Y. A. Pan

King, David Ryan
Effects of Perfusate Composition (Sodium and
Calcium) on Cardiac Electrical and Mechanical
Function in the Isolated Langendorff-Perfused Heart
Committee Chair: Prof. S. Poelzing

Mann, Jessie Elizabeth
Tele-Neurorehabilitation: Potential for Treatment and
Assessment
Committee Chair: Prof. S. DeLuca

Saadat, Angela P.
Analysis of TpeL secretion by the Small Membrane
Protein TpeE in Clostridium Perfringens
Committee Chair: Prof. S. B. Melville

Sutlive, Joseph Vinson
Biomimetic Sonar Design and the Investigation of the
Role of Peripheral Dynamics for Target
Classification in Bat Biosonar
Committee Chair: Prof. R. Mueller

DOCTOR OF EDUCATION

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES

EDUCATIONAL LEADERSHIP AND POLICY STUDIES

December 17, 2020

Alexander, Le-Zondra
A Qualitative Investigation of the Practices of
Speech-Language Pathologists Supporting the
Acquisition of Skilled Reading and Writing in Public
Schools
Committee Chair: Prof. C. S. Cash and T. S. Price

Alga, Nan Abbott
The Teachers' Perception of the Usefulness of
Principal Observation Feedback and Subsequent
Follow-Up Through the Teacher Evaluation Process
Committee Chair: Prof. C. S. Cash

Jones, Sharon Lynn
School-level Factors in Public High Schools that
Help Raise Academic Achievement for Black Males
Committee Chair: Prof. W. J. Glenn

McDaniel, Melissa Gallimore
A Study of the Career Paths of Female Aspiring
School Superintendents
Committee Chair: Prof. M. D. Alexander

Norton, Star Adrianna
Lee M. Waid: An Oral History Study of Students
from an All-Black Rural Virginian School Between
1963 and 1970
Committee Chair: Prof. C. A. Mullen

Ransome, Jaraun Montel
Discipline Disproportionality in an Urban School
Division Within the Commonwealth of Virginia
Committee Chair: Prof. C. S. Cash

Settles, Karen Rena
An Exploration on How Elementary Administrators
Support a Growth Mindset in Classroom Teachers
Committee Chair: Prof. C. S. Cash

Trigueiro, Amy Theresa
School Building Conditions and Student
Achievement and Chronic Absenteeism in Urban
High Schools in the Commonwealth of Virginia
Committee Chair: Prof. C. S. Cash

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

Webb, Elizabeth Rose
Improving Academic Achievement for Students in
Poverty: A Case Study Analysis of a Rural
Elementary School
Committee Chair: Prof. M. D. Alexander

Wilkins-McCorey, Dornswalo Maria
Equitable Representation of Students in Intellectual
Gifted Programs in Public Schools in the
Commonwealth of Virginia
Committee Chair: Prof. C. S. Cash

Williams, Monica Lynn
A Qualitative Investigation of Principals' Experiences
with and Interventions Provided to Gifted Students
who have Dropped Out or are At Risk of Dropping
Out
Committee Chair: Prof. C. S. Cash and Prof. T. S.
Price

Stoothoff, Luke Michael
Woodson, Kellie Michelle

August 14, 2020

McCraw, Olivia Catherine
Raychouni, Janet McConnell

EDUCATION SPECIALIST
COLLEGE OF LIBERAL ARTS &
HUMAN SCIENCES
EDUCATIONAL LEADERSHIP AND
POLICY STUDIES

December 17, 2020

Bannon, Kelli Ann
Bowerman, Rachel Michelle
Carlson, Afton Rene
Drake, Leigh Corissa
Gibson, Heather Ann
Hester, Amber Pittman
Kim, Hea June
Lee, Jong Min
Libby-Reynolds, Jennessa Lorine
Mayer, Jill Spector
Norris, Keely
Olsen, Jessica Lee
Piper, Tara Lynn
Rice, Jacqueline Ann-Marie
Sedutto, Marantha Dawkins

MASTER'S DEGREES

**COLLEGE OF AGRICULTURE
AND LIFE SCIENCES**

MASTER OF SCIENCE

**AGRICULTURAL AND
APPLIED ECONOMICS**

December 17, 2020

Adams, Normand Rutledge

Swedberg, Kristen M.

August 14, 2020

Ebadi, Nasim

O'Reilly, Ryan Keefe

**AGRICULTURAL AND
LIFE SCIENCES**

December 17, 2020

Alexander, Chylsea Breanna

Eagles, Ross Brandon

Mason, John E.

Schneiderman, Isabelle Jordan

Scott, Alyssa Torre

Turner, Brandon Michael

Williams, Krystal N.

August 14, 2020

Capaldo, Samantha Marie

Johnson, Branden Robert

Rhoads, Haley

Rivers, Lydia

Thacker, Rebecca Tilson

**ANIMAL AND
POULTRY SCIENCES**

December 17, 2020

Isernia, Lindsay Taylor

Kott, Michelle Lynn

Walker, Bailey Nicole

August 14, 2020

Boothe, Siobhan M.

**CROP AND SOIL ENVIRONMENTAL
SCIENCES**

December 17, 2020

Boyd, Luke David-Allen

Lancaster, Caroline Marie

Lord, Nilanka Anthony

Morrison, Benjamin Anthony

Poskaitis, Megan Kathleen

**HUMAN NUTRITION,
FOODS AND EXERCISE**

December 17, 2020

Lacina, Michael Allen

**MASTER OF SCIENCE
IN LIFE SCIENCES**

**AGRICULTURAL AND
EXTENSION EDUCATION**

December 17, 2020

Young, Carmen Dasiana

August 14, 2020

Scott, Jasmine Layne

DAIRY SCIENCE

August 14, 2020

Nin-Velez, Alexandra Irma

**COLLEGE OF ARCHITECTURE
AND URBAN STUDIES**

MASTER OF ARCHITECTURE

December 17, 2020

Asbell, Jonathan Clark

Chandrasekhar, Harini

Chang, Xinzhi

Chen, Weiqi

Colunga, Carlos Tameo

Jiang, Huihai

Khurshid, Maheen

Lai, Qianru

Li, Jie

Lones, William Robert

Mukesh Jain, Prakhyaa

Zhou, Feicen

Zolfaghari, Zahra

August 14, 2020

Perez, Maura Annette

Reed, Jackson Alexander

Sridhar, Vidusha

**MASTER OF LANDSCAPE
ARCHITECTURE**

December 17, 2020

Fettig, Jake Alan

Ramirez-Blust, Lynda Sue

**MASTER OF PUBLIC
ADMINISTRATION**

**PUBLIC ADMINISTRATION/ PUBLIC
AFFAIRS**

December 17, 2020

Bahena, Dennis

Critzer, Linda Renee

Graves, Carley Megan

Remington-Gilbert, Sadie Mary

**MASTER OF PUBLIC AND
INTERNATIONAL AFFAIRS**

December 17, 2020

Mohamad Muhamed, Bukhari Abdelrahman

**MASTER OF SCIENCE
BUILDING/CONSTRUCTION
SCIENCE AND MANAGEMENT**

December 17, 2020

Folio, Gerard M.

**MASTER OF URBAN AND
REGIONAL PLANNING**

December 17, 2020

Albrecht, Owen Alexander

Ramirez-Blust, Lynda Sue

Wilkerson, Alexander Cary

**PAMPLIN COLLEGE
OF BUSINESS
MASTER OF ACCOUNTING AND
INFORMATION SYSTEMS**

December 17, 2020

Booth, Danielle Carol
Gay, Caroline Whitney
Patadia, Gaurav Bharatvijay
Rajput, Tripti
Simmons, Rachael Laurianne
Wang, Jin

August 14, 2020

Graepel, Savannah L.

**MASTER OF BUSINESS
ADMINISTRATION**

December 17, 2020

Akhtar, Farooq Mohammad
Ali, Syed M.
Batzli, Cynthia Pang
Cadena, Edwin Wladimir
Cai, Chunrong Linda
Clinton, Nicholle Depaz
Farukh, Attiya
Feber, Ryan John
Gallo, Emily Paige
Garcin, Melissa Divecchia
Gassenmeyer, Bryan Thomas
Goncharov, Iurii
Kretlow, Zachary Alexander
Lally Jr., Stephen Craig
Lewis, Michael Alfred

Michaels, Rachel Schwartz
Neder, Cody Steven
Paul, Dipankar
Pavis, Hannah Cox
Prenell, Riecharde Tearle
Ramirez, Erica
Rauner, John Marshall
Ross, David Joshua Allen
Telasula, Venkata Siva Kanth
Torres, Cesar R.
White, Amanda Genevieve
Zacharias-Andrews, Kay

August 14, 2020

Bolinsky, Brett Jessee
Brown, Alexander T.
Butler, Todd J.
Carrin, Cassandra Leigh
Cline, Nicole Catherine
Dillon, Colin Francis
Dillow, Daniel Clark
Duran-Ballen, J Esteban
Freemal, Rebecca Ann
Jain, Paras
Jolicoeur, Michael Raymond
Menaker, Kevin Scott
Mohan, Shrikanth
Moore, John Phillip
Moore, Ryan Nicholas
Reed, Richard Jackson
Scherer, Jason Louis
Schuh, Steven Michael
Selvaraj, Ramkumar

Singh, Harinder Kewal

Ungar, Daniel Hugh

Xie, Zhiwu

MASTER OF SCIENCE

BUSINESS ADMINISTRATION

December 17, 2020

Alhamad, Shayma

Ali, Gulnaz

Allen, Elizabeth

Azhar, Reham Wadea S.

Azhar, Saeed Wadia

Binhamad, Ahmad Khairi M.

Digman, Carrie Elizabeth

Finnegan, Erin Ann

Hall, Samantha Leigh Daclison

Honerkamp, Vincent Yasmine

Park, Narae

August 14, 2020

Asabere, Deborah Adu

Awate, Deepti Kiran

Bowen, Hunter Charles

Cheng, Yanwen

Collins II, Mark Anthony

Conyers, Anastasia Deneen

Erisman, Jordan Stuart

Fix, Charlotte Elizabeth

Frankovich, Jarek Joseph

Galloway, Christopher Robert

Harasty, Nicholas Francisco

Harris, Delanie Raye

Horinko, Kaitlyn Anne

Kamruzzaman, Md

Khokhar, Ibrahim Jhangir

Kinder, Kaela Aliya

Kuqi, Enxhi

Mendenhall, Kevin Randal

Mengiste, Misganaw Belay

Morrison, Antonia Rayelle

Parcell, Robert Bradley

Robertson, Brandi

Secamiglio, John Robert

Soosai Fernando, Maschio

Titus-Glover, Kyle

Wallace, Austin Lee

Wang, Yanhao

Wellons, Jackson Kennard

Zorigtbaatar, Manal

COLLEGE OF ENGINEERING

MASTER OF ENGINEERING

BIOLOGICAL SYSTEMS ENGINEERING

August 14, 2020

Ford, Alyssa Cole

Moghaddasi, Alireza

CHEMICAL ENGINEERING

December 17, 2020

Agarwal, Aman

Han, Xiuyuan

Sharma, Saurabh

COMPUTER ENGINEERING

December 17, 2020

Acton, Nicolas Reilly
Chen, Xin
Joshi, Sarang Giridhar
Pan, Yiming
Sato, Kenny Kosaku
Thinakaran, Rahul
Zhu, Jie

August 14, 2020

Asif, Areeb
Chougule, Sharvari Shirish
Ganguli, Samit Kumar
Guo, Yu
Hu, Yihao
Joshi, Parisha M.
Karthik, Akshay Kumar
Kumar, Soumya Arvind
Ragothaman, Shalini

COMPUTER SCIENCE AND APPLICATIONS

December 17, 2020

Gill, Nicholas Samuel
Konudula, Venkatarami Reddy
Sondhi, Arjuna Atul
Wang, Chaoran
Xie, Yuwei
Yu, Lixing

August 14, 2020

Irwin, Michael Scott

ELECTRICAL ENGINEERING

December 17, 2020

Algikar, Pooja Basavaraj
Deng, Haisong
Li, Xiyuan
Qian, Yizhou
Ro, Yokai
Sreeram, Nirmala
Thagirisa, Sai Sampath

August 14, 2020

Naineni, Nihal

INDUSTRIAL AND SYSTEMS ENGINEERING

December 17, 2020

Holloman, Teirra Keina
Makda, Shahab Siraj
Ojelade, Aanuolwapo E.
Sangha, Sandeep Singh
Sotelo, Marina Cabot Scanlon

August 14, 2020

Navarro Navarro, Nicolas Dario
Suresh, Vaishakhi

MATERIALS SCIENCE AND ENGINEERING

December 17, 2020

Gaus, Robert Gregg

MECHANICAL ENGINEERING

August 14, 2020

Xu, Junyang

NUCLEAR ENGINEERING

December 17, 2020

Vargas, Kyle Ryan

MASTER OF ENGINEERING ADMINISTRATION

December 17, 2020

Hughes, Cory Edison

Vaughan, Ashton Joseph

MASTER OF SCIENCE AEROSPACE ENGINEERING

December 17, 2020

Du, Minzhen

Gobin, Bradley Scott

Ivanov, Nodari

Kenworthy, David Scheer

Labatut, Jon Jean-charles Hector

Lagergren, Krister Anders

Letica, Stefan Josip

Scheible, Robert Bruce

Witalec, Louis Gregory

Witmer, Tyler Davis

August 14, 2020

Brown, Gavin Miles

Deans, Collin Andrew

Higgins, Erik Tracy

Kootsher, Jason Laurence

Rohn, Jeremy Benton

Sibai, Munira

BIOLOGICAL SYSTEMS ENGINEERING

December 17, 2020

Carswell, William Forrester

Jahan, Momtaz

August 14, 2020

Aquilina, Charles Albert

Hildebrand, Daniel Steven

Pratt, Elizabeth Anne

BIOMEDICAL ENGINEERING

December 17, 2020

Mottley, Carolyn Yvette

Thomas, Sean Casey

CIVIL ENGINEERING

December 17, 2020

Abdelhalim, Awad T.

Al Rufaydah, Abdullah Saeed

Bhutkar, Aishwarya Prakash

Boykin, James Z.

Breuer, Helena Kathryn

Burke, Abby Lauren

Caudle, Seth Alexander

Chordiya, Tejas Jitendra

Copana Paucara, Julio

Cubas Suazo, Alexa Maria

Dahiya, Ankuj

Dietrich, Cara A.

Dwivedi, Ajay Ashok

Ebrahim, Fatemah Mohammad

Fountaine, John Peter

Hays, Conner Randolph

Horsham, Kyle Matthew

House, Gregory Richard

Huang, Ju-Hsuan

Kulkarni, Yash Nitin

Landivar Guartatanga, Marie Carmen

Lesinski, Tierney Ryann

Mahimkar, Omkar

Mehta, Sahil Manoj

Miller, Carl Thomas

More, Sidhesh Sunil

Mosuela, Kristine Angela

Nagori, Chinmay

Overeem, Alexa Jane

Painter, Timothy Trevor

Parmar, Yash Yogesh

Peloquin, Casey Paul

Raichura, Purva Hiteshkumar

Ramadan, Abd Elrhman Ahmed

Sapre, Chinmay Uday

Sims, James

Slaven III, Ronald Andrew

Solanki, Abhiyani Tarunbhai

Sorte, Sagar Balpratap

Spicer, Noah Benjamin

Stevens, Ryan Taylor

Suresh Kumar, Arun Eshwar

Trump, Joshua Jordan

Vuper, Ailie Marie

Wang, Zhen

Zhong, Yida

August 14, 2020

Brodsky, Rachel Amanda

Keku, Daniel Adedayo

Miller, Cyan Tasha

Mohagheghi, Ali

Neeli, Yeshwanth Sai

Nissar, Nahmed

Ramirez Brenes, Kirk Rommel

Rouillier, Rusty Jordan

Sk. Md., Ishraque

COMPUTER ENGINEERING

December 17, 2020

Beckwith, Luke Parkhurst

Cain, Chandler Lee

Conroy, Thomas Joseph

Guo, Yunfei

Li, Chengzhang

Patnayak, Chinmaya

Redhouse, Amanda Jean

Yeoh, SengMing

August 14, 2020

Chadha, Abhimanyu

Chourey, Shivam

Eisenbeiser, Logan Ryan

Gan, Victor Ming

Kahu, Sampanna Yashwant

Kesavan Nair, Nitin

Manjunatha Bharadwaj, Sandhya

Srinivas, Raghavendra

COMPUTER SCIENCE AND APPLICATIONS

December 17, 2020

Abdelrahman, Eman Hussein Lotfy Aly Kamel
Al Ameedi, Mohannad Dhia Hamdy
An, Yaxin
Chen, Fanglan
Cowan, KC Kaye
Irshad, Syeda Arzoo
Jiang, Zijian
Mehta, Sneha
Tao, I Hsuan
Wang, Hao Hsuan
Yao, Zhennan

August 14, 2020

Abraham, Subil
Afzalan, Milad
Bandyopadhyay, Payel
Bansal, Ritesh
Dahshan, Mai M.
Jude, Palakh Mignonne
Li, Zheng
Mehrotra, Maanav
Pasad, Viral Shrikant
Peri, Deepthi
Rama Subramanian, Deepika
Sahasrabudhe, Dhruva Shrikrishna
Sharma, Dhruv
Song, Ziqian
Sun, Yanshen
Tyagi, Tanya
Whang, JooYoung

ELECTRICAL ENGINEERING

December 17, 2020

Baweja, Randeep Singh
Billings, Rachel Mae
Gyawali, Sanij
Jimenez, Jorge Gabriel
Karimi, Ebrahim
Karki, Sagar
Kocur, Nash Brinson
Liu, Jinshan
Marinkovich, Aaron James Angelo
Morency, Christopher Charles
Nam, David Sang
Rangwala, Murtaza Juzer
Smith, Robert Gregory
Thomas, Joseph Gabriel

August 14, 2020

Delvecchio, Matthew David
Emenonye, Don-Roberts Ugochukwu
Ervin, Allen Dale
Rajasekeran, Sangeetha
Tait, Daniel Beale

ENGINEERING MECHANICS

December 17, 2020

Dahiya, Akshay
Sadeghi, Omidreza

ENVIRONMENTAL ENGINEERING

December 17, 2020

Cox, Madison Janelle

Cruvinel Brandao Fonseca Marinho, Rayssa

Cummings, Micaela Nicole

Goy, Sydney Marie

Joshi, Soumil Yogesh

Krauss, Lauren Marie

Majeed, Haniyyah JaRae

August 14, 2020

Krishnamurthy, Soundarya

MATERIALS SCIENCE AND ENGINEERING

December 17, 2020

Custer, Faulkner Paine

MECHANICAL ENGINEERING

December 17, 2020

Capper, Joseph David

Chen, Shuo

Chen, YuZhe

Coleman, Mathew Riley

De Clerck, Albrey Paul

Fronk, Joel Seth

Goodson, Caleb Benjamin

Hardyman, Micah Dwayne

Hosseini, Sayed-Mohammad

Marthinuss, Samuel Joseph

Martin V, Joseph Bacon

Moreno, Kevin Joel

Oja, Thomas Edward

Repisky, Philip Vaclav

Shoaci, Parisa Daghigh

Sparrer, Wendelle Faith

Stephen, Juanita Peche

Titus Glover, Kyle Ian Kwartei

Van Hout, Daniel Richard

August 14, 2020

Chen, Xiangtong

Dash, Pradosh Pritam

Giroux III, Thomas Joseph

Hancock, Philip Jackson

Keshavamurthi, Karthik Balaji

Shenvi, Mohit Nitin

Tollefson, Christian Roland

Wu, Xihui

MINING ENGINEERING

December 17, 2020

MacCormac, Brendan Lloyd

August 14, 2020

Tabor, Joseph Edward

OCEAN ENGINEERING

December 17, 2020

Miller, Lakshmi Madhavan

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES

MASTER OF ARTS

COMMUNICATION

December 17, 2020

Radaj, Ryan Gregory

**FOREIGN LANGUAGES, CULTURES,
AND LITERATURES**

December 17, 2020

Finch, Frank Frederick
Harber, Amanda Nicole
Jones, Lindsey Taylor
Riley, Annetta Adele

PHILOSOPHY

December 17, 2020

Shifrel, Zachary D.

August 14, 2020

Gordon, Ethan
Rogers III, Donald Wayne

POLITICAL SCIENCE

December 17, 2020

Anderson, Jamie Char'Mae
Barrett, Leah Robinson
Blankenship, Spencer Edward

MASTER OF ARTS IN EDUCATION

CURRICULUM AND INSTRUCTION

December 17, 2020

Buchanan, Lori Ellen
Fan, Yingying
Herbert, Khalil N.
Reguant Codina, Roger
Tyler, Crystal Lavinia
West, Samantha Mackensie

August 14, 2020

Capps, Casey Alanna
Dennis, Cassidy Michelle
Kaufmann, Kelsie Anne
Sparber, Zachary Moses
Voiles, Emma Cathryn
Wilkie, Sarah Ruth

**EDUCATIONAL LEADERSHIP AND
POLICY STUDIES**

December 17, 2020

Brockman III, John Moore
Collie, Sarah Elizabeth
Hill, Conner Sprinkle
Jarrett, Calvin Demetri
Kang, Kris Kyung-Jin
Repko, Kathryn Elizabeth
Summitt, Matthew Graham

MASTER OF SCIENCE

HUMAN DEVELOPMENT

December 17, 2020

Almeyda, Patricia Christina
Kosar, Sophia Anneliese

August 14, 2020

Wardle, Taylor Michael

**SCIENCE AND
TECHNOLOGY STUDIES**

December 17, 2020

Covey, Lucas Scott
Giles, Kendall Everett

O'Connor, Emily Jean

**COLLEGE OF NATURAL
RESOURCES & ENVIRONMENT**

**MASTER OF
NATURAL RESOURCES**

December 17, 2020

Bussi, Raymond Jared

Clevenger, Christina Marie

Davidson, Garrett James

DeFonza, Raina Marie

DeNoia-Feliciano, Elizabeth Joan

Des Champs, Malcolm Phillip

Drada, Luzbelly

Eckberg, Amy Eileen

Erwin, Kenneth Joseph

Fallon, Lacy L. K.

Fernandez, Jonathan Andres

Fink, Megan McIntyre

Fisher, Patricia Molina

Gongora, Kyla

Gustafson, Richard Rawlings

Hetzel, Sydnie L.

Holman, Darien Forrest

Karpa, Zigmund A.

Kim, Dianne Lynne

Kowalski, Andrew James

Lee, Alyson P.

Litman, Barbara Jillean

McDonnell, John Paul

Midgette, Brenda Alicia

Muthig, Alec James

Patel, Binita Pradip

Patton, Daniel Crist

Payne, Sara Elizabeth

Pfahl, Heather Michelle

Porter, Trisha Lee

Price, Elizabeth French

Sinner, Alexandra Elvira

Smith, Matthew F.

Stanley, Joshua Kenneth

Steely, Sarah M.

Thapa, Gyanendra Singh

Thurston, Patricia

Torraca, Eric Paul

Trelegan, Elise Kathryn

Troy, Nicole S.

Tsao, Janet Jing

Walters, Alexander Hamilton

Watkin, Bradley W.

Yauch, Victoria Margaret

Zhang, Songyi

August 14, 202

Bagniewski, Ned James

Baisden, Chad Haywood

Bill, Briana Lee

Bond, William James

Cardona, Juanita

Chandler, Jonathan Michael

Dale, Sassy Emily

Fendley, Jeremy

Newman, Samuel Phillip

Partridge, Joel Elliott

Potter, Isabel

Sanderson, Claire Elizabeth

Sherrow, Erica Lindsey

**MASTER OF SCIENCE
FISHERIES AND WILDLIFE**

December 17, 2020

Barron II, Joseph Charles

Berge, Earle Johnathan

Holden, Michael Thomas

Sybertz, Nicholas Michael

August 14, 2020

Ellsworth, William Hunter

Nkwalale, Lipa Gutani Terrence

**FORESTRY AND
FOREST PRODUCTS**

December 17, 2020

Beasley, Christen Marie

Bertucio, Timothy Joseph

McClure, Adam Blake

Pomponi, Joseph Philip

August 14, 2020

Beck, Adam Thomas

Duston, Stephanie Ann

Grupper, Madeline Ana

Navarro Navarro, Nicolas Dario

GEOGRAPHY

December 17, 2020

Morrison, Lindsey Paige

Starner, Joshua D.

Villarreal, Mark David

August 14, 2020

Goeke Dee, Gretchen Elise

COLLEGE OF SCIENCE

MASTER OF ARTS

ECONOMICS

December 17, 2020

Anthwal, Pervesh

Islam, Azharul

Spoon, Ross Linwood

**MASTER OF ARTS IN
DATA ANALYSIS AND
APPLIED STATISTICS**

December 17, 2020

Bahja, Jonilda

Chakraborty, Shibaji

**MASTER OF SCIENCE
BIOLOGICAL SCIENCES**

December 17, 2020

Hucul, Catherine Elizabeth

Shadle, Elizabeth Jane

CHEMISTRY

December 17, 2020

Hu, Anyang

Spence, Stephanie Leigh

GEOSCIENCES

December 17, 2020

Rothschild, Tyler James

MATHEMATICS

December 17, 2020

Cooper, Jon Carl

Kelley, Marilyn Annie

August 14, 2020

Macatula, Romcholo Yulo

Pendar, Hodjat

Pi, Hangyu

PSYCHOLOGY

December 17, 2020

Bertollo, Jennifer Rose

Carlton, Corinne Nicole

Coombs, Aaron Keith

Dike, Janey Elizabeth

Kissel, Heather Ann

Mitropoulos, Tanya Elise

Nackley, Brittany Burch

Rost, Emily Alexis

Taylor, Caroline Hamilton

Zagarese, Vivian Joy

August 14, 2020

Salan, Jefferson Dejesus

**THE VIRGINIA-MARYLAND
COLLEGE OF VETERINARY
MEDICINE**

MASTER OF PUBLIC HEALTH

December 17, 2020

Fox, Madalyn Nicole

Toms, Megan Brooke

Zhang, Grace Fei

August 14, 2020

Thaler, Sibylle

Work, Sarah Nicole

MASTER OF SCIENCE

**BIOMEDICAL & VETERINARY
SCIENCES**

December 17, 2020

Bates, Tyler Alexander

August 14, 2020

Barron, Catherine Mary

Everett, James Blake

Keebaugh, Audrey Elizabeth

Menciotti, Giulio

Sanders, John Patrick

**INTERDISCIPLINARY
DEGREES**

**MASTER OF INFORMATION
TECHNOLOGY**

December 17, 2020

Abu, Annette Edna

Acheampong, Jude

Adkins, Cody Ray

Agrawal, Pankhuri	Hicks, Ian Jacob
Ahmed, Asim Khidir	Hofferle, Jason Frederick
Allen, Imani A.	Iverson, Connor William
Andre, Susan Elaine	Johnson, Nersa Rashema
Armour-Koenig, Patrick James	Le, Huyen Thanh
Bagby IV, Bathurst Browne	Lewis, Latanya Michelle
Ballo, Doubacoro Boubacar	Lowry, Scott David
Barrett, John Ewing	Lutz, Jeremy Daniel
Becker, David A.	Mackey, Vanessa Avery
Carnahan, Ryan	Marlowe, Daniel Lee
Chaicharoen, Piangpit	Mayo, Keith Thomas
Colborn, Randy	McCune, Colin William
Cox, Ronald Earl	McKoy III, Willie
Darnell, Jerrilyn	Melhus, Andrew Jon
Douthett, Jack Michael	Minnix, Zachary William
Downs, Barrett Colby	Mishra, Dipika
Fadhil, Ali Amer	Mitchell, Edward Louis
Faulkenbury, Charles Andrew	Muhealden, Shivan Hoshyar
Fisher, Paul James	Neuhardt, Nathan D.
Fleer, Justin Robert	Nguyen, Van Duc
Frick, Daniel Joseph	Niro, Salvatore Carmen
Ghumman, Gurshan Singh	Pandey, Shivani
Greetan, Gregory Joseph	Pedley, Christopher David
Griffith, William Talbot	Peirce, Stephen A.
Gutierrez, Francisco Xavier	Peters, Christopher William
Habtemichael, Melat Tsehaye	Petrutiu, Florin Mihai
Habtemichael, Meron Tsehaye	Pitre, Daniel Adam
Hardner, Matthew Robert	Puderer, Evan Jeffery
Harley, Ira James Lee	Razvi, Simi Naheed
Harper, Nicholas Eric	Rey, Frederic Arthur
Harris Jr., Douglas O'Neil	Rusu, Karen
Hice, Aaron Joseph	Sernesi, Olga

Sestak, Michael Todd
Shaheen, Tasawur
Sharma, Muneesh K.
Shi, Yijing
Sikora, Mark Matthew
Slutsky, Daniel Michael
Snyder, Kevin Ross
Spivey, David Lyn
Stepanchuk, Ievgen V.
Sugie, Masatsugu John
Summers, Jonathan David
Swindell, Amanda G.
Tam, Ryan
Thai, Hong- Yen Ngoc
Tipton, Gabriel Roy
Tischler, Matthew Jacob
Weber, Jack Michael
Whaley, Patrick Clinton
White, Andrew Joseph
Wilson, Scott N.
Woodford, Scott J.
Zafar, Keanan Aly
Zhang, Jian

August 14, 2020

Aden, Bashe Abdillahi
Agrawal, Ravindra
Asipenka, Igor
Beam Jr., Steven Dale
Bond III, John Joseph
Borgmeyer, Christopher Francis
Chowala, Nalini
Duclos, Kayla Jean

Eisenberg, David
Farley, Micah Jonathan
Foley, Sharon Ann
Forler, Dakota Colby Murphy
Giardina, Louis Jackson
Glotzer, Hans David
Gupta, Steven David
Hansen, Deja Tyree-Lakell
Ilijevich, Molly Marie
Janowski, Joseph Steven
Johnson, Elizabeth Ann
Kasumovic, Ermina
Keswani, Ramesh Doulat
Kota, Sai Soumya
Landry, Christopher William
Limrostip, Sherry
Lust, Daniel Frederick
Manrique, Tiana Marie
Massey, Miles Christopher
Onunaku, Obana Marie
Panth, Rakshya
Rafiq, Rabia
Reza, Shuzon
Succo, Ryan James
Thakar, Sejal Jignesh
Yildirim, Murat Levent
Youmsi Makuipou, Ariane Stella
Zou Price, Xiaoqin

GRADUATE CERTIFICATES

BUSINESS ANALYTICS AND DATA MINING

December 17, 2020

Christy, Daniel Thomas

Muhealden, Shivan H.

Sugie, Masatsugu John

August 14, 2020

Cho, Adam J.

Farley, Micah

CYBERSECURITY POLICY

December 17, 2020

Gutierrez, Francisco Xavier

Mohamed, Marawan

Wilson, Scott Nelson

CYBERSECURITY TECHNOLOGIES

December 17, 2020

Becker, David A.

Kabir, Mohamed Abdouh

Woodford, Scott J.

EDUCATIONAL RESEARCH

August 14, 2020

Grote, Dustin Michael

FUTURE PROFESSORiate

December 17, 2020

Alshehri, Khaled Ghanem

Ampatzi, Vasiliki Traikos

Bahja, Jonilda

Fausnacht, Anna Gustafson

Majeed, Haniyyah JaRae

Meesala, Vamsi Chandra

Murray, Savannah Paige

Quick, Tyler James

Roosma, Shannon Kinzie

August 14, 2020

Dupuis, Eric Donald

Gupta, Debjit

Kane, Ousmane

Li, Xiaofan

Netto, Brett Raymond

Woods Jr., Johnny Crayd

GEOSPATIAL INFORMATION TECHNOLOGY

December 17, 2020

De La Cruz, Jesse L.

August 14, 2020

Cerv, Sara Alison

O'Reilly, Ryan Keefe

Vannoy, Mallory Drew

GERONTOLOGY

August 14, 2020

Wu, Tiange

**GLOBAL PLANNING AND
INTERNATIONAL DEVELOPMENT
STUDIES**

August 14, 2020

Agnew, Jessica Lauren

Black, Steven David

GLOBAL SUSTAINABILITY

December 17, 2020

Alanis, Erika

Bussi, Raymond Jared

Clevenger, Christina Marie

DeNoia-Feliciano, Elizabeth Joan

Dlin, Benjamin Edward

Eckberg, Amy Eileen

Fallon, Lacy L.

Fernandez, Jonathan Andres

Fink, Megan McIntyre

Fisher, Patricia Molina

Gongora, Kyla

Greenlee, Jodi Rae

Gustafson, Richard Rawlings

Hensley, Evan Noble

Hetzel, Sydnie Lucille

Hines, Nickolas James

Holman, Darien Forrest

Karpa, Zigmund Anthony

Kim, Dianne Lynne

Kowalski, Andrew James

Litman, Barbara Jillean

Luzbelly, Drada

McDonnell, John Paul

McLellan, Ethan Daniel

Midgette, Brenda Alicia

Mills, Joshua Carl

Muthig, Alec James

Payne, Sara Elizabeth

Pfahl, Heather M.

Porter, Trisha Lee

Sinner, Alexandra Elvira

Smith, Matthew Fredrick

Stanley, Joshua Kenneth

Thapa, Gyanendra Singh

Thurston, Patricia

Torraca, Eric Paul

Trelegan, Elise Kathryn

Troy, Nicole S.

Tsao, Janet Jing

Walters, Alexander Hamilton

Yauch, Victoria Margaret

Zhang, Songyi

August 14, 2020

Bagniewski, Ned James

Baisden, Chad Haywood

Bill, Briana Lee

Cardona Galindo, Juanita

Metivier-Larochelle, Tommee

Mitchell, Michelle Lynn

Newman, Samuel Phillip

Patel, Binita

Patton, Daniel Crist

Sherrow, Erica Lindsey

Snowwhite, Andrew William

Winkler, Summer Leigh

**HEALTH INFORMATION
TECHNOLOGY**

December 17, 2020

Swindell, Amanda Gale

August 14, 2020

Aden, Bashe Abdillahi

Eisenberg, David

Keswani, Ramesh Doulat

Manrique, Tiana Marie

**HOSPITALITY AND TOURISM
ANALYTICS AND REVENUE
MANAGEMENT**

December 17, 2020

Hall, Samantha Leigh Daclison

**INFORMATION TECHNOLOGY
MANAGEMENT**

December 17, 2020

Greetan, Gregory Joseph

Neuhardt, Nathan David

Pirooznia, Payam

Wilson, Scott Nelson

Yusuf, Syed Haroon

August 14, 2020

Asipenka, Igor

Murphy, Stephen David

Reza, Shuzon

**INTERNET AND NETWORK
TECHNOLOGIES**

December 17, 2020

Faghihnia, Mostafa

**LOCAL GOVERNMENT
MANAGEMENT**

December 17, 2020

Early, Starlette Fowler

Fultz, Zebulon David

Hawks, Elizabeth Blackwell

Hodge, Lucas Walter

Jackson, Kalli Lynn

Miskovic, Phillip George

Phillips, Ann Watson

Remington-Gilbert, Sadie Mary

Sefcik, Madeline Lee

Taylor, Dakota Lee

Toigo, Anthony David

August 14, 2020

Boyer, John Noel

NATURAL RESOURCES

December 17, 2020

Clevenger, Christina Marie

Coates, Ashley Nicole

Gott, Catherine Elizabeth

Hanna, Karina Leigh

Keegan, Coral Magen

Macey, Sarah E.

Moore, Cheyenne

Proctor, Nicholaus Jon Pratt

Williams, Emily Rae

August 14, 2020

Blankenship, Nicholas

Bond, William James

Cardona Galindo, Juanita

Cheso, Katherine Ann
Dale, Sassy Emily
Dlin, Benjamin
Edwards, Jonathan Scott
Fallon, Lacy L. K.
Fendley, Jeremy
Frank, Stephanie
Hayslett, Emily Lauren
Hendricks, Brandon
Hennessy, Casey Sheila
Knapp, Ashlee
Litman, Barbara Jillean
Littreal, Jessica Danielle
Preston, Travis L.
Sanderson, Claire Elizabeth
Strawderman, Nicole Blodgett
Thapa, Gyanendra Singh
Umashankar, Viverjita
Usher, Anne Kellogg

**NONPROFIT AND
NONGOVERNMENTAL
ORGANIZATION MANAGEMENT**

August 14, 2020

Kane, Ousmane
Plowman, Ellen Christine

NUCLEAR ENGINEERING

December 17, 2020

Alanazi, Mohammed Awwad

**PUBLIC AND NONPROFIT
FINANCIAL MANAGEMENT**

December 17, 2020

Williams, Aidan Chase

August 14, 2020

Abbotts, Elliott Anthony
Jaimes, Alberto E.

PUBLIC HEALTH

December 17, 2020

Miskovic, Phillip George

PUBLIC HISTORY

August 14, 2020

Felton, Jeffrey Alan

SECURITY STUDIES

August 14, 2020

McDaniel, Ryan James

SOFTWARE DEVELOPMENT

December 17, 2020

Agrawal, Pankhuri
Greetan, Gregory Joseph
Lewis, Latanya Michelle
Marlowe, Daniel Lee
Minnix, Zachary William
Peirce, Stephen A.
Shi, Yijing
Spivey, David Lyn
Sugie, Masatsugu John

Tipton, Gabriel Roy

White, Andrew Joseph

August 14, 2020

Cho, Adam J.

Farley, Micah

Llorente, Jacob Anthony

TECHNOLOGY MANAGEMENT

December 17, 2020

Harry, Kimberly D.

Lua, Kian Loong

URBAN COMPUTING

August 14, 2020

Masiane, Moeti Moeklesia