SPRING 2019
National Capital Region
DOCTOR OF PHILOSOPHY

COLLEGE OF ARCHITECTURE AND URBAN STUDIES

ARCHITECTURE AND DESIGN RESEARCH

May 18, 2019

La Coe, Jodi Lynn
Construction of Vision: Experiments in Higher Spatial Dimensions in the Stage Designs of Laszlo Moholy-Nagy
Committee Chair: Prof. M. Feuerstein

Planning, Governance, and Globalization

May 18, 2019

Le, Huyen Thi Khanh
Emotional Agents: Modeling Satisfaction, Affinity, and Travel Demand Using a Smartphone Travel Survey
Committee Chair: Prof. R. Buehler and Prof. S. C. Hankey, Jr.

December 13, 2018

Kruczek, Gregory John
Christian Minorities and the Struggle for Nineveh: The Assyrian Democratic Movement in Iraq and the Nineveh Plains Protection Units
Committee Chair: Prof. A. I. Ahram

PUBLIC ADMINISTRATION/PUBLIC AFFAIRS

May 18, 2019

Brandell, James Francis
An Evaluation of How Federal Advisory Boards Operationalize Congressional Intent of Transparency, Financial Efficiency, and Balanced Membership
Committee Chair: Prof. M. M. Dull

December 13, 2018

Dupuis, Nicole Marie
Stories of the Sharing Economy: Comparing Narratives and Regulatory Responses to TNCs Across American Cities
Committee Chair: Prof. M. M. Dull

Lanier, Melvane A.
A Comparative Analysis of Federal Agencies: Integration of Equity and Diversity Practices Addressing Minority Representation in Senior Executive Service
Committee Chair: Prof. M. M. Dull

Lopes, Crane L.
Historical Institutionalism and Defense Public Procurement: The Case of Other Transactions Agreements
Committee Chair: Prof. P. S. Roberts

August 11, 2018

Pintard-Newry, Yvette Jasmine
What is the Relationship Between Civil Society and the State in Small Island States? An Examination of Social Origins Theory and The Bahamas
Committee Chair: Prof. A. M. Khademian

COLLEGE OF ENGINEERING

CIVIL ENGINEERING

May 18, 2019

Fuentes, Antonio
Proactive Decision Support Tools for National Park and Non-Traditional Agencies in Solving Traffic-Related Problems
Committee Chair: Prof. K. P. Heaslip II

Gray, John Robert
Quantifying and Comparing the Sampling Efficiencies of Four Pressure-Difference-Type Bedload Samplers
Committee Chair: Prof. P. Diplas and Prof. A. N. Godrej

Lodhi, Adnan Ghaffar
A Decision Support System for Indirect Potable Reuse Based on Integrated Modeling
Committee Chair: Prof. A. N. Godrej

Baran, Ayden Alexander
Integrated Model-Based Impact Assessment of Climate Change and Land Use Change on the Occoquan Watershed
Committee Chair: Prof. A. N. Godrej

December 13, 2018

Walker, Jonathan Bearnarr
An Empirical Method of Ascertaining the Null Points from a Dedicated Short-Range Communication (DSRC) Roadside Unit (RSU) at a Highway On/Off-Ramp
Committee Chair: Prof. K. P. Heaslip II

August 11, 2018

COMPUTER SCIENCE AND APPLICATIONS

May 18, 2019

Zhang, Xuchao
Scalable Robust Models Under Adversarial Data Corruption
Committee Chair: Prof. C. Lu

Khandpur, Rupinder Paul
Augmenting Dynamic Query Expansion in Microblog Texts
Committee Chair: Prof. N. Ramakrishnan and Prof. C. Lu

June 30, 2018

Ning, Yue
Modeling Information Precursors for Event Forecasting
Committee Chair: Prof. N. Ramakrishnan

Sun, Wenhai
Towards Secure Outsourced Data Services in the Public Cloud
Committee Chair: Prof. W. Lou

ELECTRICAL ENGINEERING

May 18, 2019

Erpek, Tugba
Multi-layer Optimization and Security Aspects of Communication Systems via MIMO and Deep Learning
Committee Chair: Prof. S. Raman and Prof. T. C. Clancy III

Fu, Yi
Differential Dependency Network Models for Detecting Network Rewiring and Integrating Multi-omics Data
Committee Chair: Prof. Y. J. Wang

Ohn, Sungjae
Circuits and Modulation Schemes to Achieve High Power Density in SiC Grid-connected Converters
Committee Chair: Prof. D. Boroyevich and Prof. R. Burgos

Wang, Yizhi
Automated Analysis of Astrocyte Activities from Large-scale Time-lapse Microscopic Imaging Data
Committee Chair: Prof. G. Yu

December 13, 2018

Dimarino, Christina Marie
Design and Validation of a High-Density 10 kV Silicon Carbide MOSFET Power Module with Reduced Electric Field Strength and Integrated Common-Mode Screen
Committee Chair: Prof. D. Boroyevich and Prof. R. Burgos
Netto, Marcos  
Robust Identification, Estimation, and Control of Electric Power Systems Using the Koopman Operator-theoretic Framework  
Committee Chair: Prof. L. M. Mili
Xu, Yijun  
Uncertainty Quantification, State and Parameter Estimation in Power Systems Using Polynomial Chaos Based Methods  
Committee Chair: Prof. L. M. Mili and Prof. S. Rahman
August 11, 2018
Karra, Kiran  
Modeling and Analysis of Non-Linear Dependencies Using Copulas, with Applications to Machine Learning  
Committee Chair: Prof. L. M. Mili

**INDUSTRIAL AND SYSTEMS ENGINEERING**  
December 13, 2018
Hedberg, Thomas Daniel  
Enabling Connections in the Product Lifecycle Using the Digital Thread  
Committee Chair: Prof. J. A. Camelio

**MECHANICAL ENGINEERING**  
May 18, 2019
Kumar, Prashant  
Multifunctional Materials for Energy Harvesting and Sensing  
Committee Chair: Prof. S. Priya

December 13, 2018
Alsaiai, Abdulmohsen Omar  
Augmentation of Jet Impingement Heat Transfer on a Grooved Surface Under Wet and Dry Conditions  
Committee Chair: Prof. T. E. Diller
Attia, Tamer Said Abdelzaher  
Design and Development of a Novel Reconfigurable Wheeled Robot for Off-Road Applications  
Committee Chair: Prof. K. B. Kochersberger and Prof. T. Furukawa

**NUCLEAR ENGINEERING**  
June 30, 2018
Roskoff, Nathan  
Development of a Novel Fuel Burnup Methodology and Algorithm in RAPID and its Benchmarking and Automation  
Committee Chair: Prof. A. Haghighat

**COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES**

**COUNSELOR EDUCATION**  
May 18, 2019
Rose, Caitlin Joanna  
Perceptions of School Principals on the School Counselor Role  
Committee Chair: Prof. N. E. Bodenhorn

May 18, 2019
Shaler, Lisa Marie  
Accelerating Innovation: Assessing Nanotechnologies, Prototypes & Research Teams  
Committee Chair: Prof. S. Schmid

**DOCTOR OF EDUCATION**

**COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES**

**COUNSELOR EDUCATION**  
December 13, 2018
Snyder, Nerissa Lovella Rea  
What Does it Mean to a Black Man in the United States of America?  
Committee Chair: Prof. L. E. Welfare

**EDUCATIONAL LEADERSHIP AND POLICY STUDIES**  
May 18, 2019
Belch, Harry Ess  
A Multiple Case Study Examining Perceptions of Preparedness and PSEL Standards Alignment of Principal Preparation Cohort Graduates and Students  
Committee Chair: Prof. W. J. Glenn
Calhoun, Prosperanta Benues  
Effects of Leadership on Mathematics Teachers’ Self-efficacy  
Committee Chair: Prof. W. D. Mallory
Frischkorn, Donald Joseph  
Planning, Preparing, and Implementing a One-to-One Computing Initiative in K-12 Education: A Case Study of a School Division’s Journey Toward a One-to-One Computing Environment for Students and Staff  
Committee Chair: Prof. W. D. Mallory
Jacks, Andrew Michael  
Eliminating Exclusionary Discipline for Elementary Students with Disabilities  
Committee Chair: Prof. W. J. Glenn
Lenart, Erin Boothe  
Leadership in School Improvement: Planning and Providing for Barriers to Student Learning  
Committee Chair: Prof. W. J. Glenn
Marinoble, Mark Anthony  
Considerations in Building an Elementary Makerspace Lab  
Committee Chair: Prof. W. J. Glenn
Misitzis, Yannos Dimitrios  
I’m the Smart Kid: Adult Attitudes and Perceptions About Enrichment and Special Education  
Committee Chair: Prof. W. J. Glenn
Petrich, Evangeline Rizal  
Leadership Practices of Successful Elementary Turnaround Principals  
Committee Chair: Prof. W. J. Glenn
Taylor, Grace Ellen  
Minnie Howard School: A Transition Program Model  
Committee Chair: Prof. W. J. Glenn
Wines, Debra Rae  
Professional Learning Communities: The Impact on Teacher Practice  
Committee Chair: Prof. W. D. Mallory

**EDUCATION SPECIALIST**

**COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES**

**EDUCATIONAL LEADERSHIP AND POLICY STUDIES**  
December 13, 2018
Corbin, Emily Sue  
Derk, Kathleen Noble  
Finley, Stephanie Knowles  
Ruhl, Sarah Denise

**MASTER’S DEGREES**

**COLLEGE OF ARCHITECTURE AND URBAN STUDIES**

**MASTER OF ARCHITECTURE**  
May 18, 2019
Alemnew, Eyob Moges  
Haque, Mohammad Mazharul  
Hussaini, Muzhgan  
Nazarenko, Inna  
Rodríguez Aguilar, Mario Ernesto  
Thurmond, Alana Christine
December 13, 2018
Albert, Laura  
Baruch, Edwin Charles, II
Elmagri, Loay Hatem Rajab
Rahman, Marium

August 11, 2018

Dinoy, Ashwini Mary
Kim, Olivia Angelina
Lizaraga, Sergio Remy
Park, Sangyoon
Song, Xiaofan
Williams, Rachel Ione

June 30, 2018

McNeil, Jasmine Alethia

MASTER OF LANDSCAPE ARCHITECTURE
May 18, 2019

Argandona, Walter Solio
Najafi Ashtiani, Azadeh
Pedersen, Amanda Kathleen

December 13, 2018

Zhou, Xiaolan

August 11, 2018

Selvam, Shruthi

June 30, 2018

Gelman, Daria Lvovna

MASTER OF PUBLIC ADMINISTRATION
PUBLIC ADMINISTRATION/PUBLIC AFFAIRS
May 18, 2019

Purnell, Katherine Rebecca
Verdu, Caitlin Elizabeth Wokutch

December 13, 2018

Carmona, Jessica
Johnson, Jon Michael
Krinzman, Lee M.
McErlean, Elizabeth Christine
Tang, Joanne

MASTER OF PUBLIC AND INTERNATIONAL AFFAIRS
May 18, 2019

Craig, John Ryan
Molloy, Rebekah Grace

December 13, 2018

Schwartz, Victoria Nicole

MASTER OF SCIENCE
ARCHITECTURE
December 13, 2018

Gahres, Cameron James

BUILDING/CONSTRUCTION SCIENCE AND MANAGEMENT
August 11, 2018

Mallin, Christopher J.

MASTER OF URBAN AND REGIONAL PLANNING
May 18, 2019

Ausel, Andrew Taylor
Bebek, Corinne Korin
Chen, Fanglan
Chowdhury, Anika
Hicks, John Baker

Kopecky, Karson James
Mills, James Newton
Padmore, Jenee Lolliise
Rhodes, Matthew L.
Ventura, Hazel Caroline

December 13, 2018

Boling, Nicole Renee
Capers III, William James
Chadduck, Colin Erofei
Egli, Charles Jackson

PAMPLIN COLLEGE OF BUSINESS
MASTER OF BUSINESS ADMINISTRATION
May 18, 2019

Ali, Umar
Anwah, Jillian N’kemakonam
Augustine, Ryan Michael
Bove, Timothy James
Casey, Samantha Courtney-Richardson
Chelluri, Srihari
Clemmons, Shatoria L.
Drabant, Elizabeth Ann
Drakeford, Lavoisier, Jr.
Dulan, Michael Sean
Erker, Harlan William, Jr.
Fisher, Calvin Beason
Grimm, Dylan Scott
Grineva, Natalia N.
Hadjiallou, Arash
Hairston, Jessica Frances
Hoffman, Scott Cameron
Jamison, Christian Cole
Jordan, Sam Jackson
Katauskas, Alex Francis
Kazemnejad Shayan, Negin
Mansoor, Syed Tariq
Mathers, Sarah Ann
Moore, James Herschel, II
Odar, Craig David
Presti, Lauren Ann
Rao, Sandeep Krishna
Rimal, Suhrit
Rosado, Eliana Catherine
Sharp, Felicia S.
Simha, Aashish Raj
Stahl, Otto William
Sundstrom, Amanda Marie
Tukkapuram, Nagaraj

December 13, 2018

Barry, Phillip Michael
Bautista, Ashley Ann
Bryan, Keith Edward
Dissinger, Eric John
Dunn, Taylor Cavanagh
Frick, Thomas Randall
Fuzzell, Derek Alan
Goff, Elizabeth Susan
Johnston, Cody Charles
Meng, Zeina Ying
Milligan, Kelley Marie
Pope, Meghan Hochkeppel
Smith, Shannon Rae
Subrahmanyam, Hariharan
Tervonen, David Francis
Valliappan, Somasundaram

August 11, 2018

Gingras, Michael Joseph
Hanson, Catherine Paige Hallen
Jakka, Ram Reddy
McLeod, Elizabeth Mary
Mokel, Safian
Nagia, Seville Shaha
Phillippi, Emilee Suzanne
Trozado, Christian Suemith

Bush, Jonathan Martin
Groves, Darryl Demond

**MASTER OF SCIENCE**
**BUSINESS ADMINISTRATION**
*May 18, 2019*

Aikhotani, Nada Yousef F.
Alturaymi, Othman Ahmed O.
Elmenayer, Zeyad
Kwarteng, Maxine
Nebiyeloul, Theodros
Nogueira Nunes, Thais
Novikova, Olga
Shaheen, Islam Abdulrahman Ghoniem Mohamed
Sheraliyeva, Aizhan

**MASTER OF SCIENCE**
**CIVIL ENGINEERING**
*December 13, 2018*

Haneman, Colin

**COMPUTER ENGINEERING**
*May 18, 2019*

Mishra, Tanmaya
Oza, Pratham Rajan

**COMPUTER SCIENCE AND APPLICATIONS**
*May 18, 2019*

Campbell, Alex Stephen
Naik, Amit Pandurang

**ELECTRICAL ENGINEERING**
*December 13, 2018*

Black, James N.
Blake, Patrick Michael
Lin, Jason

**ENVIRONMENTAL ENGINEERING**
*December 13, 2018*

Shah, Parita Raj

**ENVIRONMENTAL SCIENCES AND ENGINEERING**
*May 18, 2019*

Reiss, Erin Lynn

**NUCLEAR ENGINEERING**
*May 18, 2019*

Butler, James Michael

**SYSTEMS ENGINEERING**
*May 18, 2019*

Allmond, Patrick Taylor
Hugh, William Alexander
Iyer, Tejasvi Rajendran

**COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES**

**MASTER OF ARTS IN EDUCATION**
**EDUCATIONAL LEADERSHIP AND POLICY STUDIES**
*December 13, 2018*

Babbin, Jacqueline Anderson
Hamell, Robert James
Slaney, Sean Patrick

**MASTER OF SCIENCE**
**HUMAN DEVELOPMENT**
*May 18, 2019*

Chevalier, Meagan Marie
COLLEGE OF NATURAL RESOURCES & ENVIRONMENT

MASTER OF NATURAL RESOURCES

NATURAL RESOURCES

May 18, 2019

Bryant, Kassandra DeLoise

December 13, 2018

Ahmad, Arslan
Alton, Steven Kyle
Aria, Wais Ur Rahman
Belfield, Andrew Jason
Brock, Tyler Jonathan
Carson, Carl Eugene, III
Daniels, Joseph Robert
Deyerle, Anthony Kirk
Dore, Allie Theresa
Eaton, Alexander Daniel
El Choufi, Sara
Ericksen, Kindra Jean
Fessel, Theodore Frederick, Jr.
Godere, Robert Victor
Grocholska, Agnieszka Ki
Howell, Timothy
Khan, Khadija Sultana
Kiefer, Colleen Marie
Kralik, Gregory Norman
Kwok, Angel Mint
Larson, John Ryan
Lind, Tracy Marie
McNichols, Quentin Joseph
Metcalf, Amanda Ellis
Pratt, Eva Caitlyn
Reif, Sean Patrick
Sapsara, Brandon Edward
Summers, R. Alexander

SCIENCE AND TECHNOLOGY STUDIES

May 18, 2019

Douglass, Maria Alice
Leader, Jeremy Jon
Mellini, Monica Albana

December 13, 2018

Chavez, Megan Rose
Crane, Laura Owen

Carroll, William Anthony
Jantzen, Linda C.
Rohmiller, Jonathan

November 10, 2018

GRADUATE CERTIFICATES

GLOBAL SUSTAINABILITY

December 13, 2018

Alton, Steven Kyle
Aria, Wais Ur Rahman
Boggs, Lindsey Raquel
Lind, Tracy Marie

LOCAL GOVERNMENT MANAGEMENT

May 18, 2019

Zavela, Vance Scott

NATURAL RESOURCES

December 13, 2018

Verdu, Caitlin E.

PUBLIC AND NONPROFIT FINANCIAL MANAGEMENT

August 11, 2018

Hollandsworth, Edgar Marion, Ill

TECHNOLOGY MANAGEMENT

December 13, 2018

Dmitrov, Filipp

URBAN COMPUTING

May 18, 2019

Chen, Fanglan