

# Graduate School Doctoral Hooding Ceremony

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**CONVOCATION**

Friday, May 13, 2022





# A Message from the Dean

Pursuit of a doctoral degree is among the most challenging, most rigorous, and most rewarding of all opportunities offered in higher education. It is one of the few opportunities available for an individual to explore, single-mindedly, a specific topic and know that they have, by venturing into new territory, made an important contribution to knowledge.

That contribution to knowledge is not made without sacrifice, without the love and support of family and friends, and without the guidance of faculty advisors and other members of this academic community.

We honor and take great pride in the achievements of our doctoral graduates. We wish you all success, happiness, and the opportunity to be curious in the days and years ahead.

**Peter A. Venable**

Associate Provost for Graduate Studies and Dean of the Graduate School

# Program

## PROCESSION OF THE ACADEMIC DEANS\*

Featuring Brass Quintet from the Syracuse University Brass Ensemble:  
James D'Addario (Trombone), David Driesen (Trumpet), Dickson Rothwell (French Horn),  
James T. Spencer (Tuba), and Jeff Stockham (Trumpet)

## WELCOMING

**Peter A. Vanable**, Associate Provost for Graduate Studies and Dean of the Graduate School

**Gretchen Ritter**, Vice Chancellor, Provost and Chief Academic Officer, Syracuse University

## WASSERSTROM PRIZE

The Wasserstrom Prize is presented annually by the College of Arts and Sciences in memory of Professor William Wasserstrom, a former faculty member in the Department of English. The award recognizes a tenured faculty member who, in the view of students and colleagues, best exemplifies the following qualities: being a recognized scholar whose work is characterized by its originality and distinctive character; having an outstanding record of effective training of graduate students; and actively participating in the intellectual and institutional life of the University, college, and department.

Presenter: **Karin Ruhlandt**, Dean, College of Arts and Sciences

Recipient: **Eleanor M. Maine**, Professor, Biology

## GRADUATE SCHOOL MARSHAL

Each year, a Syracuse University doctoral student is selected as the Graduate School marshal. Selection of our Graduate School Marshal is based on a review of nominees' research and other academic accomplishments, as well consideration of the student's past service to their department and the university. The marshal assists with hooding fellow Ph.D. candidates during the hooding ceremony and will lead the Ph.D. candidates into Syracuse University's Commencement ceremonies.

## 2022 GRADUATE SCHOOL MARSHAL

**Ying Zhang**

Human Development and Family Science, David B. Falk College of Sport and Human Dynamics  
(PhD., July 2021)

Faculty Advisor: Rachel Razza, Associate Professor, Human Development and Family Science

## HOODING OF THE CANDIDATES

## CONCLUDING REMARKS

**Peter A. Vanable**, Associate Provost for Graduate Studies and Dean of the Graduate School

## RECESSIONAL\*

Performed by Brass Quintet

## RECEPTION

Panasci Lounge

\* The audience is asked to stand.

# 2022 Doctoral Hooding Ceremony Candidates

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*\* Colleges are listed in the historical order that each was established.*



# College of Arts and Sciences

Karin Ruhlandt, Dean

## DOCTORAL PRIZE WINNERS:

**Mayara de Cassia Ribeiro**, Ph.D., Biology

**Monica Ripp**, Ph.D., Physics

**Sara Swenson**, Ph.D., Religion

**Tim Tribone**, Ph.D., Mathematics

**Noah Wason**, Ph.D., Composition and Cultural Rhetoric

**Sule Aksoy**, Ph.D., College Science Teaching, December 2021

*A Portrait of Postsecondary STEM Teaching: Examining the Roles of Organizational Climate and Professional Identity*

Advisor: John Tillotson

**Baasansuren Batsukh**, Ph.D., Physics, December 2021

*Observation of  $\omega$  Contribution in the  $Xc1(3872)$   $\pi^+\pi^-\gamma/\psi$  Decays*

Advisor: Tomasz Skwarnicki

**Avinay Bhat**, Ph.D., Physics, July 2021

*MeV Scale Physics in MicroBooNE*

Advisor: Mitchell Soderberg

**Chantel Brena Brennan**, AuD, Audiology

Advisor: Tammy Kordas

**Danielle Bubniak**, AuD, Audiology

Advisor: Kathy R. Vander Werff

**Joshua Burton**, Ph.D., Biology, August 2021

*Signaling Pathways Regulating Cyst Breakdown, Primordial Follicle Formation, and Meiotic Progression in the Mouse Ovary*

Advisor: Melissa Pepling

**Maria Carson**, Ph.D., Religion, July 2021

*The Emotional Heschel*

Advisor: Zachary Braiterman

**Derek Case**, Ph.D., Chemistry, May 2022

*Synthesis, Characterization and Cellular Uptake of Magnesium Complexes of Pyrones and Amino Acids*

Advisor: Robert P. Doyle

**Abigail Caselli**, Ph.D., Social Psychology, May 2022

*If We End, I Lose Part of Me: The Influence of Dissolution Consideration on Perceived Self-Contraction*

Advisor: Laura V. Machia

**Marcelle Kathryn Cecchetti**, AuD, Audiology

Advisor: Joseph T. Pellegrino

**Adam Clawson**, Ph.D., School Psychology, July 2021

*Supporting Special Education Student's Academic Engagement Behavior with Mindfulness-Based Programming*

Advisor: Joshua Felver

**Anne Curé**, Ph.D., Biology, May 2022

*Understanding How Whole Genome Duplication in Plants Impacts Herbivore-Plant Interactions*

Advisor: Kari Seagraves

**Ryan Curl**, Ph.D., Cognitive Psychology, July 2021

*Understanding the Time Course of Bias in Simple Memorial Decisions*

Advisor: Amy Criss

**Sara Dampf**, Ph.D., Chemistry, August 2021

*Computational Methodologies for the Simulation and Analysis of Low-Frequency Vibrations in Molecular Crystals*

Advisor: Timothy Korter

**Shibajyoti Das**, Ph.D., Earth Sciences, May 2022

*Stable Carbon and Nitrogen Isotopes of Shell Bound Organic Matter, Implications for Modern and Ancient Food Web Dynamics*

Advisor: Christopher K. Junium

**Andrew Davis**, Ph.D., Chemistry, August 2021

*Design and Development of 2D Functional Semiconductor Nanocrystals*

Advisor: Weiwei Zheng

**Martin De Vita**, Ph.D., Clinical Psychology, December 2021

*The Effects of Cannabidiol and Analgesic Expectancies on Experimental Pain Reactivity in Healthy Adults: A Balanced Placebo Design Trial*

Advisor: Stephen A. Maisto

**Alexander Ebert**, Ph.D., Biology, May 2022

*Rooting for the Home Team: Arbuscular Mycorrhizas and Root Traits in Native and Invasive Woody Shrubs*

Advisor: Jason Fridley

**Daniel Finstad**, Ph.D., Physics, August 2021

*Binary Neutron Star Mergers: Gravitational-Wave Measurements of their Parameters and the Nuclear Equation of State*

Advisor: Duncan Brown



**David Gall-Maynard**, Ph.D., Composition and Cultural Rhetoric, May 2022  
*An Overheated Debate: The Influence of Premillennial Apocalyptic Rhetoric on Climate Reform Discourse in the United States*  
Advisor: Lois P. Agnew

**Mahesh Chandrasekhar Gandikota**, Ph.D., Physics, August 2021  
*Interplay of Geometry and Mechanics: Disordered Spring Networks and Shape-Changing Cerebella*  
Advisor: Jennifer Schwarz

**Abel Gomez**, Ph.D., Religion, July 2021  
*Sacred Sites, Ceremony, and Belonging in Ohlone Territory: A Case Study of Indigenous Survival*  
Advisor: Philip P. Arnold

**Patricia A. Goodhines**, Ph.D., Clinical Psychology  
*Cannabis Sleep Aid Use in Daily College Life: An Intensive Longitudinal Assessment Approach*  
Advisor: Aesoon Park

**Alexandria Hanson**, Ph.D., Composition and Cultural Rhetoric, December 2021  
*Not Appropriate for Children: A Look at the Composition Practices and Rhetorical Strategies of Single Moms in Academia*  
Advisors: Aja Martinez and Genevieve Garcia de Mueller

**.Indrajeet**, Ph.D., Physics, August 2021  
*Multimode Circuit Quantum Electrodynamics with Superconducting Metamaterial Resonators*  
Advisor: Britton Plourde

**Muzhi Jin**, Ph.D., Mathematics, July 2021  
*Regularity of the  $D$ -bar-Neumann Operator, the Bergman Projection and the Canonical Solution Operator of  $D$ -bar-Equation*  
Advisor: Yuan Yuan

**Bhaskar Dilip Joshi**, Ph.D., Chemistry, December 2021  
*Formation of Pyrroloindolines and Alkylation of N-Heterocycles with Trichloroacetimidates AND Synthesis of Quinoline Based Small Molecule Inhibitors of Ghrelin O-Acyltransferase (GOAT)*  
Advisor: John D. Chisholm

**Emily Judd**, Ph.D., Earth Sciences, May 2020  
*Seasonality in a Changing Climate: Insights from the Modern Ocean with Application to the Eocene Epoch*  
Advisor: Linda Ivany

**Elizabeth Kaplan-Kahn**, Ph.D., School Psychology, July 2021

*Different Pathways to Cognition: An ERP Investigation of Enhanced Perceptual Functioning and Autistic Traits in School-Aged Children*

Advisor: Natalie Russo

**Elahe Khalili Samani**, Ph.D., Mathematics, July 2021

*Free Actions on Cohomology Bazaikin Spaces*

Advisor: Lee Kennard

**Haejoo Kim**, Ph.D., English, July 2021

*Medical Liberty and Alternative Health Practices in Nineteenth-Century Britain*

Advisor: Coran Klaver

**David King Jr.**, Ph.D., Physics, December 2021

*Utilizing Parity Violating Electron Scattering as a Probe to Measure the Neutron Radius of 208-Pb*

Advisor: Paul Souder

**Amber Kiana Cacho Lenon**, Ph.D., Physics, July 2021

*Eccentricity of Merging Neutron Star Binaries: Searches, Parameter Estimation, and Future Prospects*

Advisor: Duncan Brown

**Christine Linnenbach**, AuD, Audiology

Advisor: Kristen Kennedy

**Jordan Loewen-Colón**, Ph.D., Religion, May 2022

*The Problem of the "Virtual": Virtual Reality, Digital Dualism, and Religious Experience*

Advisor: Zachary Braiterman

**Angela Madrid**, AuD, Audiology

Advisor: Beth A. Prieve

**Nilamber Mate**, Ph.D., Chemistry, May 2022

*Trichloroacetimidates as Outstanding Electrophiles for the Carbon-Nitrogen, Carbon-Oxygen and Carbon-Carbon Bonds Formation and Synthetic Studies of Protein Phosphatase-5 (PP5) Small Molecule Inhibitors*

Advisor: John D. Chisholm

**Rowan Meador**, Ph.D., Chemistry, December 2021

*Exploration of Carbon-Oxygen and Carbon-Nitrogen Bond Formation Utilizing Trichloroacetimidates and Investigations of New Reactions Mediated by Oxoammonium Salts*

Advisor: John D. Chisholm

**Brandon Milliken**, Ph.D., Chemistry, August 2021

*Drug Polypharmacy: From Rational Design of Multi-Agonists for Type 2 Diabetes to Off-Target Effects of Lysosomotropic Drugs*

Advisor: Robert P. Doyle

**Neha Mohan Babu**, Ph.D., Biology, December 2021

*A Tale of Three Resources: The Influence of Multiple Resources on Plant-Herbivore Interactions*

Advisor: Mark Ritchie

**Kenneth Morse**, Ph.D., Audiology, July 2021

*Tinnitus and Decreased Subcortical and Cortical Inhibition*

Advisor: Kathy R. Vander Werff

**Melissa Lenore Morton**, Ph.D., School Psychology, July 2021

*A Systematic Review of the Effects of the Body Scan on Stress and Psychopathology*

Advisor: Joshua Felver

**Dezarie Moskal**, Ph.D., Clinical Psychology, July 2021

*Acceptance Versus Distraction as Coping Strategies for Acute Pain and Pain-Induced Alcohol Urge and Approach Inclinations*

Advisor: Stephen A. Maisto

**Erik Muniz**, Ph.D., Physics, December 2021

*A Solid-State Phase Camera for Advanced Gravitational Wave Detectors*

Advisor: Stefan Ballmer

**Casey Necheles**, Ph.D., Mathematics, July 2021

*Odd Annular Bar-Natan Category and  $gl(1|1)$*

Advisors: Stephan Wehrli and Claudia Miller

**Eva Nesbit**, Ph.D., Physics, July 2021

*Effective Computational Cosmology*

Advisor: G. Scott Watson

**Ashley “Aley” O’Mara**, Ph.D., English, August 2021

*“Man delights not me; no, nor Woman neither”: Asexuality in Early-Modern Literature*

Advisor: Dymrna Callaghan

**Steven Ortiz**, Ph.D., Chemistry, May 2022

*Monitoring Bacteria Cultures Using Near Infrared (NIR) Binary Spectronephelometry (BSN), Raman Spectra and Principal Component Analysis (PCA)*

Advisor: Joseph Chaiken

**Zachary Osborne**, Ph.D., Earth Sciences, August 2021

*Investigations of Trace Element Titanium in Silica Minerals*

Advisor: Jay Thomas

**Devon Pacheco**, AuD, Audiology, August 2021

Advisor: Beth A. Prieve

**T Passwater**, Ph.D., Composition and Cultural Rhetoric, May 2022

*Receiving a Queen: A Queer and Trans Feminist Classical Reception Rhetorical Historiography of Elagabalus*

Advisor: Lois P. Agnew

**Nicolas Perez Consuegra**, Ph.D., Earth Sciences, August 2021  
*Evaluating the Controls of Neogene Exhumation in the Tropical Northern Andes (Colombia)*  
Advisor: Gregory Hoke

**Linda Pesciotta**, Ph.D., College Science Teaching, July 2021  
*Buckling Patterns and Mechanics of Thin Interfacial Polymer Films*  
Advisor: John Tillotson

**Stephen Petrosky**, AuD, Audiology, May 2022  
Advisor: Beth A. Prieve

**Mayara de Cassia Ribeiro**, Ph.D., Biology, July 2021  
*Vitamin D Modulates Rett Syndrome Phenotypes and Underlying Cellular Pathways in an Mecp2-mutant Mouse Model*  
Advisor: Jessica MacDonald

**Monica Ripp**, Ph.D., Physics, December 2021  
*Buckling Patterns and Mechanics of Thin Interfacial Polymer Films*  
Advisor: Joseph Paulsen

**Linnea Ritchie**, Ph.D., Biology, May 2022  
*The Nature of Phenotypes: Provoking and Measuring the Dynamic Processes of Swarm Expansion, Predation, and Antibiotic Resistance in Myxococcus xanthus*  
Advisor: Roy Welch

**Sumon Sahu**, Ph.D., Physics, May 2022  
*Self-organization of Microtubule and Associated Protein MAP65*  
Advisor: Jennifer L. Ross

**Johnathan Sanders**, Ph.D., English, May 2022  
*“Play the Book Again”: Towards a Systems Approach to Game Adaptation*  
Advisor: Chris Hanson

**Bruce Searles**, Ph.D., College Science Teaching, December 2021  
*A Graduate-Level Immersive-Simulation Program for Teaching and Assessing Fundamental Skills for Entry-Level Cardiovascular Perfusionists*  
Advisor: Jason Wiles

**Ruma Sinha**, Ph.D., English, August 2021  
*Dalit Women, Anti-Caste Aesthetics, and the Politics of Representation*  
Advisor: Crystal Bartolovich

**John Slosson**, Ph.D., Earth Sciences, July 2021  
*The Impacts of Climate and Landscape Change on Catchment Scale Material Transport in High Mountain and Seasonally Cold Regions*  
Advisor: Gregory Hoke

**Varun Srivastava**, Ph.D., Physics, May 2022  
*Detector Improvements and Optimization to Advance Gravitational-Wave Astronomy*  
Advisor: Stefan Ballmer

**Sara Swenson**, Ph.D., Religion, July 2021

*“Sharing Hearts”: Buddhist Charities and Urbanization in Vietnam*

Advisor: Gareth J. Fisher

**Jan Swiderski**, Ph.D., Philosophy, May 2022

*Metaphysical Coherentism*

Advisor: Mark Heller

**Lea Elizabeth Taylor**, Ph.D., Clinical Psychology, August 2021

*Understanding and Improving ADHD Symptom Recall: An Investigation of Temperament and Childhood Symptom Recall Over Time*

Advisor: Kevin Antshel

**Ian Tinsley**, Ph.D., Chemistry, July 2021

*Peptide Corination for the Mitigation of Nausea and Emesis in the Treatment of Type 2 Diabetes*

Advisor: Robert P. Doyle

**Tim Tribone**, Ph.D., Mathematics, May 2022

*Matrix Factorizations with More than Two Factors*

Advisor: Graham J. Leuschke

**Nathan Patrick Uricchio**, Ph.D., Mathematics, May 2022

*Applications of Powerset Operators, Especially to Matroids*

Advisor: Jack E. Graver

**Aravindhan Venkateswaran**, Ph.D., Physics, May 2022

*Probing Lepton Flavour Universality with  $B_0 \rightarrow K^*0^+\pi^-$*

Advisor: Matthew S. Rudolph

**Jikai Wang**, Ph.D., Physics, August 2021

*Self-Organization in Models of Cyclically Sheared Suspensions*

Advisors: Joseph Paulsen and Jennifer Schwarz

**Noah Wason**, Ph.D., Composition and Cultural Rhetoric, May 2022

*Algorithmic Dwelling: The Consequences of Ethos on Social Media Platforms*

Advisor: Krista Kennedy

**Michael Wilkinson**, Ph.D., Physics, December 2021

*First Measurement of  $B(\Xi c_0 \rightarrow \Lambda^+ c)$*

Advisor: Steven Blusk

**Mengqi Xu**, Ph.D., Physics, December 2021

*Direct Single Molecule Imaging of Enhanced Diffusion for Enzymes and Enzyme-conjugated DNA Origami*

Advisor: Jennifer L. Ross

**Yiran Yang**, Ph.D., Chemistry, December 2021

*The Phase Behavior of UBQLN Proteins and Implications for Protein Quality Control*

Advisor: Carlos Castañeda

**Duygu Yeni Cenebasi**, Ph.D., Religion, December 2021

*Iconic Books, Design, and Gender*

Advisor: James W. Watts

**Lisa Yin**, AuD, Audiology

Advisor: Kathy R. Vander Werff

**Jennifer Halim Yoon**, Ph.D., Chemistry, July 2021

*Coordination Geometries in Metallobundles Enforcing Oxidative and Hydrolytic Catalysis and Designing Biomaterials for use as Antimicrobials*

Advisor: Olga Makhlynets

**Nicholas Zaremba**, Ph.D., Earth Sciences, May 2022

*Subsurface Geophysical Investigations Of Oneida Lake NY: Insights Into Ice Sheet Processes and Deglaciation at Termination I"*

Advisor: Christopher A. Scholz

**Tongyin Zheng**, Ph.D., Chemistry, July 2021

*Characterizing Multivalent Interactions Between Folded Protein Domains and Intrinsically Disordered Regions or Peptide Substrates*

Advisor: Carlos Castañeda

# College of Engineering and Computer Science

J. Cole Smith, Dean

## DOCTORAL PRIZE WINNERS:

**Haowen Fang**, Ph.D., Electrical and Computer Engineering

**Baocheng Geng**, Ph.D., Electrical and Computer Engineering

**Burak Kakillioglu**, Ph.D., Electrical and Computer Engineering

**Sajag Poudel**, Ph.D., Mechanical and Aerospace Engineering

**Shuai Shao**, Ph.D., Civil Engineering

**Xueyuan Wang**, Ph.D., Electrical and Computer Engineering

**Zheng Xiong**, Ph.D., Bioengineering

**Francis Akowuah**, Ph.D., Computer and Information Science and Engineering, July 2021

*Real-Time Adaptive Sensor Attack Detection and Recovery in Autonomous Cyber-Physical Systems*

Advisor: Fanxin Kong

**Pallav Bera**, Ph.D., Electrical and Computer Engineering, August 2021

*Data-Driven Protection of Transformers, Phase Angle Regulators, and Transmission Lines in Interconnected Power Systems*

Advisor: Can Isik

**Seth Brooks**, Ph.D., Mechanical and Aerospace Engineering, December 2021

*Analysis of Multiple Degree-of-Freedom Oscillatory Aquatic Propulsion*

Advisor: Melissa Green

**Mohammad Bushahri**, Ph.D., Civil Engineering, May 2022

*Transformational Leadership and the Adoption of Sustainability and Asset Management Practices in Ground Transportation Organizations*

Advisor: Baris Salman

**Seungrag Choi**, Ph.D., Chemical Engineering, December 2021

*Aging Study of Silver-Exchanged Mordenite and Silver-Functionalized Silica Aerogel in Dry Air, Humid Air, NO and NO<sub>2</sub>*

Advisor: Lawrence L. Tavlarides

**Yinghui Dai**, Ph.D., Chemical Engineering, July 2021

*Development of Computational Antibiotic Screening Platform across Bacterial Outer Membrane Proteins*

Advisor: Shikha Nangia

**Haowen Fang**, Ph.D., Electrical and Computer Engineering, December 2021

*Algorithm Hardware Codesign for High Performance Neuromorphic Computing*

Advisor: Qinru Qiu

**Nuzhath Fatema**, Ph.D., Civil Engineering, August 2021  
*Flow Behavior of Granular Soil and Impounded Fly Ash Slurries*  
Advisor: Shobha K. Bhatia

**Hannah Fontenot**, Ph.D., Mechanical and Aerospace Engineering, December 2021  
*Exploiting Building Demand Flexibility Through Machine Learning for Building-to-Grid Integration*  
Advisor: Bing Dong

**Xin Gao**, Ph.D., Chemical Engineering, December 2021  
*Rational Design of Supported Metal Catalysts for Carbonyl Reduction During Biomass Upgrading*  
Advisor: Jesse Quentin Bond

**Baocheng Geng**, Ph.D., Electrical and Computer Engineering, July 2021  
*Augmented Human Machine Intelligence for Distributed Inference*  
Advisor: Pramod K. Varshney

**Manish Gupta**, Ph.D., Mechanical and Aerospace Engineering, August 2021  
*Molecular Interfaces and Heterogeneous Bubble Nucleation from Heated Surfaces at Nanoscale*  
Advisor: Shalabh Chandra Maroo

**Sara Jalali**, Ph.D., Computer and Information Science and Engineering, May 2022  
*Fairness in Social Networks*  
Advisor: Sucheta Soundarajan

**Swatantra Kafle**, Ph.D., Electrical and Computer Engineering, July 2021  
*One-bit Compressed Sensing in the Presence of Noise*  
Advisor: Pramod K. Varshney

**Burak Kakillioglu**, Ph.D., Electrical and Computer Engineering, August 2021  
*Computer Vision Applications for Autonomous Aerial Vehicles*  
Advisor: Senem Velipasalar Gursoy

**Justin King**, Ph.D., Mechanical and Aerospace Engineering, August 2021  
*The Influence of Trailing Edge Shape and Kinematics on Bio-Inspired Pitching Panels*  
Advisor: Melissa Green

**Rajesh Kumar**, Ph.D., Computer and Information Science and Engineering, July 2021  
*Treadmill Assisted Circumvention of Wearable Sensors-based Gait Authentication*  
Advisors: Chilukuri K Mohan and Can Isik

**Kai Li**, Ph.D., Electrical and Computer Engineering, May 2022  
*Understanding and Hardening Blockchain Network Security Against Denial-of-Service Attacks*  
Advisor: Yuzhe Tang



**Tong Lin**, Ph.D., Mechanical and Aerospace Engineering, August 2021  
*Flow Interaction Between Turbomachine Blade Row and Flow Resistance Medium*  
Advisor: Thong Quoc Dang

**Rui Ma**, Ph.D., Electrical and Computer Engineering, May 2022  
*Enhancing Grid Reliability with Phasor Measurement Units*  
Advisor: Sara Eftekharnjad

**Kathryn Piston**, Ph.D., Bioengineering, May 2022  
*Atomistic Investigation of Nucleosomal H3 Histone Tail in Unmodified and Epigenetically Modified States*  
Advisor: Shikha Nangia

**Sajag Poudel**, Ph.D., Mechanical and Aerospace Engineering, May 2022  
*Thermal Management using Liquid-Vapor Phase Change in Nanochannels*  
Advisor: Shalabh Chandra Maroo

**Shuai Shao**, Ph.D., Civil Engineering, July 2021  
*Effects of Acid Deposition and Changing Climate on the Hydrochemistry and Critical Loads of Watersheds in the Adirondack Region of New York*  
Advisor: Charles T. Driscoll Jr

**Pranay Sharma**, Ph.D., Electrical and Computer Engineering, August 2021  
*Some New Results in Distributed Tracking and Optimization*  
Advisor: Pramod K. Varshney

**Jinwoo Song**, Ph.D., Mechanical and Aerospace Engineering, July 2021  
*Mitigating Insider Threat Risks in Cyber-Physical Manufacturing Systems*  
Advisor: Young Bai Moon

**Siqi Tang**, Ph.D., Chemical Engineering, December 2021  
*Adsorption of Organic Iodides on Reduced Silver Functionalized Silica Aerogel*  
Advisor: Lawrence L. Tavlarides

**Engda Temesgen**, Ph.D., Civil Engineering, May 2022  
*Investigation of Elastic Parameters and Pavement Modeling with EPS Geofoam*  
Advisor: Dawit Negusse

**Xueyuan Wang**, Ph.D., Electrical and Computer Engineering, July 2021  
*Performance Analysis and Learning Algorithms in Advanced Wireless Networks*  
Advisor: Mustafa Cenk Gursoy

**Evan Wayton**, Ph.D., Electrical and Computer Engineering, May 2022  
*Mutual Coupling Reduction Techniques for Multi-Band Base Station Antennas*  
Advisor: Jay K. Lee

**Thomas S. Welles**, Ph.D., Mechanical and Aerospace Engineering, May 2022  
*Manipulated Electrochemical Surface Reactions Induced by Oscillatory Electric Potentials on Metal Based Electrodes*  
Advisor: Jeongmin Ahn

# School of Education

**Kelly Chandler-Olcott**, Interim Dean

## DOCTORAL PRIZE WINNERS:

**Kirsis Dipre**, Ph.D., Counseling and Counselor Education

**Timothy Wasserman**, Ph.D., Higher Postsecondary Education

**Abdulrahman Alogaily**, Ph.D., Instructional Design, Development, and Evaluation, July 2021  
*Validation and Perceptions of an Advance Organizer on Main Elements of Research: Philosophical Assumptions, Paradigms, and Praxis*  
Advisor: Tiffany A. Koszalka

**Oliver N. Blaise Jr.**, Ed.D., Educational Leadership, May 2022  
*How Do the Functions that School Business Officials Perform Affect Teaching and Learning, and Do School Business Officials Take These Effects Into Account in Performing Their Work*  
Advisor: Joseph Shedd

**Kellin Cavanaugh**, Ph.D., Counseling and Counselor Education, May 2022  
*The Mentoring Relationship as Experienced by Female Counselor Educators*  
Advisor: Melissa M. Luke

**Jennifer DiBello**, Ph.D., Special Education, May 2022  
*Pockets of Promise: A Phenomenological Study of Special Education Teachers Working with Students with Emotional Disturbance in an Alternative Program*  
Advisor: Beth A. Ferri

**Kirsis Dipre**, Ph.D., Counseling and Counselor Education, May 2022  
*Mental Health Service Use Disparities Among Latinx Communities: An Intersectional Examination of the Role of Skin Color, Acculturative Stress, Racial Discrimination, and Mental Health Literacy*  
Advisor: Melissa M. Luke

**Diana Fidaoui**, Ph.D., Teaching and Curriculum, May 2022  
*Civic Education and Citizenship Education: Secondary Social Studies Teachers' Understandings of the Concepts and Practices of Citizenship Education for Immigrant Students*  
Advisor: Jeffery A. Mangram

**Shana Jeanne Gelin**, Ph.D., Counseling and Counselor Education, May 2022  
*An Exploration of Self-Identity Experiences within the Lives of Afro-Caribbean Women Undergraduate College Students: A Feminist Phenomenological Study*  
Advisor: Derek X. Seward

**Crista C. Gray**, Ph.D., Cultural Foundations of Education, December 2021  
*After The Class: Intergroup Dialogue Students' Actions Through the Lens of The Cycle of Liberation*  
Advisor: Gretchen E. Lopez

**Jennifer Heckathorn**, Ph.D., Teaching and Curriculum, May 2022  
*Decision-Making for Teacher Professional Development: An Analysis of Contributing Factors*  
Advisor: Sharon Dotger

**Derron Hilts**, Ph.D., Counseling and Counselor Education, May 2022  
*Examining the Individual and Systemic Factors Associated with School Counselors' Leadership Practices*  
Advisor: Yanhong Liu

**Crispin Ojwang**, Ph.D., Teaching and Curriculum, July 2021  
*Prospective Teacher Educators' Knowledge Development through the Creation of Multimedia Case Studies of Practice*  
Advisor: Joanna O. Masingila

**Laura Rouse**, Ed.D., Educational Leadership, May 2022  
*Unveiling the Unmarked Implications for Culturally Responsive Educational Leadership*  
Advisor: George Theoharis

**Shannon Hitchcock Schantz**, Ph.D., Higher Postsecondary Education, August 2021  
*The Impact of the Classroom Climate in Introductory Science, Engineering, and Mathematics Courses on the Persistence Desires and Academic Outcomes of White Women and Women of Color in Engineering*  
Advisor: Dawn R. Johnson

**Timothy Wasserman**, Ph.D., Higher Postsecondary Education, December 2021  
*First-Generation College Student Baccalaureate Attainment: Investigation of a Psychological Model of College Student Retention*  
Advisor: Dawn R. Johnson

# School of Information Studies

**Raj Dewan**, Dean

**Erin Bartolo**, Ph.D., Information Science and Technology, May 2022  
(Posthumously Awarded)

Advisor: Ingrid Erickson

**Mahboobeh Harandi**, Ph.D., Information Science and Technology, July 2021  
*Occasional Groups in Crowdsourcing Platforms*

Advisor: Kevin Crowston

**Alain Rutayisire Shema**, Ph.D., Information Science and Technology, May 2022  
*Essays on Strategies for Increasing Repayment Rates of Digital Microloans*

Advisors: Martha Garcia-Murillo and Daniel Acuña

# Martin J. Whitman School of Management

Eugene Anderson, Dean

## DOCTORAL PRIZE WINNERS:

**Fabian Diaz**, Ph.D., Business Administration

**Ying Zhang**, Ph.D., Business Administration

**Fabian Diaz**, Ph.D., Business Administration, August 2021

*Regulative Legitimacy and Entry in Working-Class Industries*

Advisor: Maria Minniti

**Ying Zhang**, Ph.D., Business Administration, May 2022

*A More Efficient and Effective Objective Measure of Financial Disclosure Quality: Omissions of Seven Key Financial Statement Variables*

Advisor: David Harris

# Maxwell School of Citizenship and Public Affairs

David M. Van Slyke, Dean

## DOCTORAL PRIZE WINNERS:

**Adrienne Lee Atterberry**, Ph.D., Sociology

**Jeehee Han**, Ph.D., Public Administration

**Brian Hennigan**, Ph.D., Geography

**Beatriz Policicio Rey**, Ph.D., Political Science

**Sean Hamilton Reid**, Ph.D., Anthropology

**Scarlett N. Rebman**, Ph.D., History

**Joaquin A. Urrego**, Ph.D., Economics

**Adrienne Lee Atterberry**, Ph.D., Sociology, July 2021

*Cultivating a New Transnational Elite: Parenting, Schooling, and Belonging in the Age of Global IT*

Advisor: Prema Kurien

**Huong Axelrod**, Ph.D., Economics, August 2021

*Three Essays in Labor Economics*

Advisors: Hugo Borges Jales and Alfonso Flores-Lagunes

**Michael Britton**, Ph.D., History, December 2021

*Policy and Polity: Space, Boundaries, and Governance in Early Modern London, 1580-1640*

Advisor: Chris Kyle

**Jennifer Brooks**, Ph.D., Sociology, August 2021

*The Case for Intersectionality: An Intersectional Look at Disability in the Labor Market*

Advisor: Jennifer Karas Montez

**Emily Bukowski**, Ph.D., Geography, July 2021

*Beetles or Bureaucrats? Reconsidering The United States' Failure to Stop Dutch Elm Disease*

Advisor: Jacob Bendix

**Lindsay Burt**, Ph.D., Political Science, August 2021

*The Road to the United Nations High-Level Meeting on the Prevention and Control of Non-Communicable Diseases*

Advisor: Audie Klotz

**Andrea Marie Catroppa**, Ph.D., History, August 2019

*Books to Films: C. S. Lewis's World of Narnia in 21st Century America's Digital Age*

Advisor: Elisabeth D. Lasch-Quinn

**Nneka Eke**, Ph.D., Political Science, July 2021

*Gender and the Political Economy of Oil in the Niger Delta: A Feminist Critique*

Advisor: Audie Klotz

**Terese Gagnon**, Ph.D., Anthropology, July 2021

*Seeding Sovereignty: Sensory Politics and Biodiversity in the Karen Diaspora*

Advisor: Azra Hromadžić

**Giuseppe Germinario**, Ph.D., Economics, May 2022

*Three Essays on Partial Identification for Applied Health Economics*

Advisor: Alfonso Flores-Lagunes

**Jeehee Han**, Ph.D., Public Administration, July 2021

*Three Essays on Public Housing and Social Inequality*

Advisor: Amy Ellen Schwartz

**Brian Hennigan**, Ph.D., Geography, December 2021

*The Poverty of Simplicity: Austerity, Alienation, and Tiny Houses*

Advisors: Don Mitchell and Matt Huber

**Rachel Jarrold-Grapes**, Ph.D., Economics, May 2022

*Three Essays on the Economics of Education*

Advisor: Gary V. Engelhardt

**Nam Seok Kim**, Ph.D., Economics, May 2022

*Three Essays on Globalization, Structural Change, and Political Economy*

Advisor: Devashish Mitra

**Seongryeol Kim**, Ph.D., Social Science, December 2021

*North Korea's Policy Toward the United States: Rapprochement to Confrontational Diplomacy in the 1970s and The 1990s*

Advisor: George L. Kallander

**Aja Lans**, Ph.D., Anthropology, August 2021

*♀ Negro: Embodied Experiences of Inequality in Historic New York City*

Advisor: Shannon Novak

**Guanyu Liu**, Ph.D., Economics, July 2021

*Three Essays on Causal Inference with Model Averaging*

Advisor: Yoonseok Lee

**Beatriz Policicio Rey**, Ph.D., Political Science, August 2021

*Legislative Effectiveness in Brazil: The Role of Legislative Member Organizations in the Chamber of Deputies*

Advisor: Matthew Cleary

**Scarlett N. Rebman**, Ph.D., History, May 2022

*Saving Salt City: Fighting Inequality through Policy and Activism in Syracuse, NY, 1955-1975*

Advisor: Jeffrey Gonda

**Sean Reid**, Ph.D., Anthropology, May 2022

*Fragmented Landscapes: An Archaeology of Transformations in the Pra River Basin, Southern Ghana*

Advisor: Christopher R. DeCorse

**Pamela Katia Sertzen**, Ph.D., Geography, August 2021

*Contesting Erasure: The Museu da Maré and the Right to the City in Rio de Janeiro, Brazil*

Advisor: Robert Wilson

**Joaquin A. Urrego**, Ph.D., Economics, December 2021

*Urban Economics, Commercial Activity, and Crime*

Advisor: Stuart S. Rosenthal

**Eric van der Vort**, Ph.D., Political Science, May 2022

*'We Are All More Free': How Ideas and Arguments Shape the LGBT Movement*

Advisor: Tom Keck

**Rebecca Wang**, Ph.D., Sociology, August 2021

*How do Immigrant Older Adults in the United States Fare in Later Life? Examining Differences in Immigrant Status and Life-Course Timing of Migration on Late-Life Disablement and Mortality*

Advisor: Janet Wilmoth

**Alanna Warner-Smith**, Ph.D., Anthropology, May 2022

*Working Hands, Indebted Bodies: Embodiment of Inequality and Labor in an Era of Progress*

Advisor: Shannon Novak

**Brian Wolfel**, Ph.D., Political Science, May 2022

*American Transcendentalism Contra Contemporary Political Philosophy: Applications of Thomas Carlyle and Ralph Waldo Emerson to Liberal Democratic Capitalism, Platonism, Islamism, Technology, and the "End of History"*

Advisor: Margaret Thompson

**Nara Yoon**, Ph.D., Public Administration, July 2021

*Board Members That Tie: Three Essays on Antecedents and Consequences of Nonprofit Board Interlock*

Advisor: Tina Nabatchi



# S.I. Newhouse School of Public Communications

Mark J. Lodato, Dean

## DOCTORAL PRIZE WINNER:

**Mohammad Ali**, Ph.D., Mass Communications

**Mohammad Ali**, Ph.D., Mass Communications, May 2022

*Toward Extended Situational Crisis Communication Theory: Include Visuals, Prior Performance, and Framing Devices*

Advisor: Dennis F Kinsey

**Li Chen**, Ph.D., Mass Communications, August 2020

*#MeToo: Networked Celebrity Advocacy as Capital Performance*

Advisor: Carol Liebler

**Keonyoung Park**, Ph.D., Mass Communications, July 2021

*Corporate Freedom of Expression and Corporate Social Advocacy (CSA): How Publics Evaluate Corporate Political Voice*

Advisor: Hua Jiang

**Jian Shi**, Ph.D., Mass Communications, May 2022

*Media and Modern Racism: Understanding Anti-Asian Attitudes and Behaviors During the Covid-19 Pandemic*

Advisor: Lars Willnat

**Andrea M. Smith**, Ph.D., Mass Communications, August 2021

*Sexual Consent on Social Media: How College Students' Exposure to Sexualized and Party-Related Content on Social Media Relates to their Sexual Consent Beliefs, Attitudes, and Intentions*

Advisor: Rebecca R. Ortiz

**Jun Zhang**, Ph.D., Mass Communications, August 2021

*Mitigate Negative Effects in Spillover Crises*

Advisor: Joon Soo Lim

# David B. Falk College of Sports and Human Dynamics

Diane Lyden Murphy, Dean

## DOCTORAL PRIZE WINNER:

**Ying Zhang**, Ph.D., Human Development and Family Science

**Gregory Kovacs**, Ph.D., Human Development and Family Science, May 2022  
*Coparenting Quality in Separated American Parents of Children Ages 1 ½ to 5: Anxiety, Social Support, Self-Efficacy, and the Associations with Coparenting and Child Outcomes*  
Advisor: Matthew Mulvaney

**Staceyann Reid**, Ph.D., Human Development and Family Science, July 2021  
*The Effect of Mindfulness on Adolescent Self-Compassion, Self-Regulation, and Stress: Exploring the Association Between Individual Factors and Markers of Well-Being*  
Advisor: Rachel Razza

**Shaelise Tor**, Ph.D., Marriage and Family Therapy, July 2021  
*Immigrant and U.S. Born Early Head Start Families: Exploring the Relationship between Parenting Stress, Attachment Behaviors, Primary Caregiver Depressive Symptoms, and Parent-Child Attachment in a Nationally-Representative Sample*  
Advisor: Rashmi Gangamma

**Ying Zhang**, Ph.D., Human Development and Family Science, July 2021  
*Children in Families with Intimate Partner Violence: Developmental Trajectories and Longitudinal Mediation Effects of Behavioral Self-Regulation for Risky Behaviors in Adolescence*  
Advisor: Rachel Razza

# Alma Mater

WHERE THE VALE OF ONONDAGA  
MEETS THE EASTERN SKY  
PROUDLY STANDS OUR ALMA MATER  
ON HER HILLTOP HIGH.  
FLAG WE LOVE! ORANGE! FLOAT FOR AYE,  
OLD SYRACUSE, O'ER THEE.  
LOYAL BE THY SONS AND DAUGHTERS  
TO THY MEMORY.

-Junius W. Stevens, Class of 1895

