

Graduate School Doctoral Hooding Ceremony

Friday, May 12, 2023



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), Louise Prince (Trumpet),
Dickson Rothwell (French Horn) and James T. Spencer (Tuba)

WELCOMING

Peter A. Venable, 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: **Lois Agnew**, Interim Dean, College of Arts and Sciences

Recipient: **Audie Klotz**, Professor, Political Science

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.

2023 GRADUATE SCHOOL MARSHAL

Ohana Benevides Rodrigues

Physics, College of Arts & Sciences (PhD., December 2022)

Faculty Advisor: Mitchell Soderberg, Professor, Physics

HOODING OF THE CANDIDATES

CONCLUDING REMARKS

Peter A. Venable, 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.

2023 Doctoral Hooding Ceremony Candidates

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

College of Arts and Sciences

Lois Agnew, Interim Dean

DOCTORAL PRIZE WINNERS:

Nina Benway, Ph.D., Speech Language Pathology

Julia R.G. Dombroski, Ph.D., Biology

Nicholas Ng, Ph.D., Mathematics

Lachlan Wright, Ph.D., Earth Sciences

Abrrar Adnan Aljiboury, Ph.D., Biology, May 2023

The Role of Centrosome-Based Structures During Embryonic Development

Advisor: Heidi Hehnl

Muhammad Asaduzzaman, Ph.D., Physics, August 2022

Investigation of Holographic Lattice Theories

Advisor: Simon Catterall

Merrill Einar Asp, Ph.D., Physics, May 2023

The Biophysics of Bacterial Collective Motion: Measuring Responses to Mechanical and Genetic Cues

Advisor: Alison Patteson

Amanda Bange, AuD, Audiology, May 2023

Advisor: Tammy Kordas

Ruta Basijokaite, Ph.D., Earth Sciences, May 2023

Modeling Applications to Understand Dominant Processes and Surface Water Quality

Advisor: Christopher K. Junium

Alec Beaton Jr, Ph.D., Chemistry, December 2022

A Coherence-Colored Look Inside Reverse Micelles: Advancing Magnetic Resonance Relaxometry to Characterize Internal Water Pool Dynamics

Advisor: John Franck

Andrew Beiter, Ph.D., Physics, May 2023

Amplitude Analysis of B^0 Decays to $J/\psi\pi^-K^+$ and $\psi(2S)\pi^-K^+$

Advisor: Tomasz Skwarnicki

Rowan Bell, Ph.D., Philosophy, July 2022

Gender Norms and Gendered Traits

Advisor: Hille Paakkunainen

Ohana Benevides Rodrigues, Ph.D., Physics, December 2022

Search for NuMI muDAR Electron Neutrinos in MicroBooNE

Advisor: Mitchell Soderberg

Nina Benway, Ph.D., Speech Language Pathology, May 2023
Artificial Intelligence Assisted Motor Learning for Speech Sound Disorders Impacting /r/:
The PERCEPT Project
Advisor: Jonathan L Preston

Harris Bernstein, Ph.D., Physics, December 2022
Measurements of $B \rightarrow D()^-, 0D(*)^+, 0K^+\pi^-$ Branching Fractions in the K^0 Mass Window*
Advisor: Matthew Rudolph

Michelle Berry, Ph.D., Physics, August 2022
Mechanologic: Designing Mechanical Devices That Compute
Advisor: Christian D. Santangelo

Chloe Rose Bickel, AuD, Audiology, May 2023
Advisor: Kathy R. Vander Werff

Adam DJ Brett, Ph.D., Religion, July 2022
Catastrophic Christianity: An Iconological Study of the Messianic Idea in American Protestant Christianity Circa 1900-1940
Advisor: Zachary Braiterman

Teresa Bruno-Niño, Ph.D., Philosophy, August 2022
On the Prudential Power of Beliefs and Fittingness of Attitudes
Advisor: David Sobel

Amanda Campbell, Ph.D., Earth Sciences, July 2022
Patterns of Dissolved Methane in Groundwater and its Contribution to Emissions Inventories
Advisor: Laura Lautz

Emily Cary, Ph.D., School Psychology, August 2022
Implementing the Mindfulness-Based Kindness Curriculum in an Inclusive Setting: Effects on Prosocial Behavior
Advisor: Joshua Felver

Maxwell Cassity, Ph.D., English, August 2022
Novel Epidemics: Contagion and Metaphor in US Literature
Advisor: Susan Edmunds

Kylie Chichura, Ph.D., Chemistry, May 2023
Design, Synthesis, and Characterization of Monomeric Peptide Multi-Agonists for the Mitigation of CNS-Associated Side Effects in the Treatment of Type II Diabetes and Obesity
Advisor: Robert Doyle

Jessica Comstock, Ph.D., Biology, August 2022
Redundancy and Developmental Coordination in Myxococcus Xanthus: Insights from the Phenome
Advisor: Roy Welch

Benjamin Cook, Ph.D., Philosophy, December 2022

Powers and the Metaphysics of Fundamentality

Advisors: Kris McDaniel and Mark Heller

Dante Dauksz, Ph.D., Philosophy, May 2023

Space and Time in Kant's Inaugural Dissertation

Advisor: Frederick Beiser

Margaret Davis, Ph.D., Chemistry, July 2022

Evaluation of the Energetic Factors in Crystalline Pharmaceuticals using Solid-State Density Functional Theory and Low-Frequency Vibrational Spectroscopy

Advisor: Timothy Michael Korter

Raj De, Ph.D., Physics, May 2023

Geometric Confinement of Thin Films: From Crumple Formation to Curvature-Induced Propulsion

Advisor: Joseph D. Paulsen

Huzeyfe Demirtas, Ph.D., Philosophy, May 2023

Responsibility Internalism and Responsibility for AI

Advisor: Ben Bradley

Nicholas Didio, Ph.D., Physics, May 2023

AlGaAs Coating Studies for Present and Future Gravitational Wave Detectors

Advisor: Stefan Ballmer

Kenneth Dodge Jr., Ph.D., Physics, December 2022

Characterization of Superconducting Hardware for Implementing Quantum Stabilizers

Advisor: Britton Plourde

Julia R. G. Dombroski, Ph.D., Biology, May 2023

Manatees and Noise: Individual Exposure and Behavioral Responses to Disturbance

Advisor: Susan E. Parks

Christopher Donohue, Ph.D., Mathematics, August 2022

Distortion Estimates for Conformal Maps Predicated on Geometric Properties of a Domain

Advisor: Leonid Kovalev

Kylie A. Eagan, AuD, Audiology, May 2023

Advisor: Joseph T. Pellegrino

Scott Ely, Ph.D., Physics, July 2022

Measurement of $|V_{cb}|$ using the Semileptonic Decay $\Lambda_b \rightarrow \Lambda c \mu \nu$

Advisor: Marina Artuso

Julian Fuentes, Ph.D., Social Psychology, May 2023

Attitudes Toward Intimate Behaviors Vary with Context, Behavior Type, and Attachment Avoidance

Advisor: Brett Jakubiak

Elizabeth Gleesing, Ph.D., English, May 2023

Second-Person Surveillance: Politics of User Implication in Digital Documentaries

Advisor: Roger Hallas

Andre Habet, Ph.D., Composition and Cultural Rhetoric, December 2022

Future Climate Rhetorics of Belize: A Counter-Apocalyptic Inquiry into Belize's Possible, Probable, and Preferable Futures

Advisor: Eileen Schell

Kathryn Hardacre, AuD, Audiology, May 2023

Advisor: Tammy Kordas

William Haws, Ph.D., Biology, December 2022

Identification and Characterization of HMX3/Hmx3a Binding Partners

Advisor: Kate Lewis

Ruliang He, Ph.D., Earth Sciences, July 2022

Studying Redox Conditions of Devonian and Neoproterozoic Oceans using I/Ca Proxy from Bulk Carbonate Rocks

Advisor: Zunli Lu

Emily C. Helminen, Ph.D., School Psychology

Effects of a Brief Group-Based Compassion Intervention on Physiological and Subjective Stress Reactivity

Advisor: Jillian Scheer

Evan Hixon, Ph.D., English, July 2022

Hell's Black Intelligencers: Representing Clandestine Labor on the Early Modern Stage

Advisor: Stephanie Shirilan

Julia Eizabeth Hooker, Ph.D., Clinical Psychology

Development and Initial Validation of the Cannabis Pain Expectancies Scale

Advisor: Joseph Ditre

Md Shahadat Hossain, Ph.D., Chemistry, May 2023

Leveraging the Post-Translational Lipidations to Modulate the Assembly and Phase-Behavior of Proteins

Advisor: Davoud Mozhdehi

Ali Imran, Ph.D., Physics, July 2022

WDR5 Network Analysis using Ensemble Approaches

Advisor: Liviu Movileanu

Yuchen Jin, Ph.D., Chemistry, December 2022

Chemical Control and Understanding of Horizontal Gene Transfers, Drug-Resistance Development, and Filament and Biofilm Formation

Advisor: Yan-Yeung Luk

Stephanie Jones, Ph.D., Composition and Cultural Rhetoric, August 2022
Afrofuturist Feminism as Theory & Praxis: Rhetorical Root Working in the Black Speculative Arts Movement
Advisor: Gwendolyn D. Pough

Kyung Eun Kim, Ph.D., Physics, August 2022
Geometry of Discrete and Continuous Bounded Surfaces
Advisor: Christian D. Santangelo

Nikhila Krishnan, Ph.D., Biology, August 2022
Molecular Mechanisms that Regulate Centrosome Movement during Tissue Morphogenesis
Advisor: Heidi Hehnl

Alona Kulesha, Ph.D., Chemistry, August 2022
Design of Novel Metalloenzymes and Investigation of Protein-metal Interactions
Advisor: Ivan V. Korendovych

Katelyn Leets, Ph.D., Chemistry, May 2023
Studies of New Tandem Oxidative Methods in Organic Synthesis
Advisor: John Chisholm

Zhuoming Li, Ph.D., Physics, December 2022
Observation of the $\Xi_b^- \rightarrow \Lambda_b^0 \pi^-$ Decay and Measurement of $B(\Xi_b^- \rightarrow \Lambda_b^0 \pi^-)$
Advisor: Steven Roy Blusk

Amber Liles, Ph.D., Chemistry, May 2023
Design, Synthesis, and Bioconjugation of Novel Peptide-Based Drugs to Mitigate Negative Hindbrain Side Effects for the Treatment of Type 2 Diabetes and Obesity
Advisor: Robert Doyle

Yebin Liu, Ph.D., Physics, December 2022
Design and Modeling of Superconducting Hardware for Implementing Quantum Stabilizers
Advisor: Britton Flourde

Yuzhen Liu, Ph.D., Mathematics, May 2023
Numerical Methods for Integral Equations
Advisor: Lixin Shen

Muqing Ma, Ph.D., Biology, August 2022
*Nla28 Activator Modulates σ^{54} -Dependent Gene Regulation in *Myxococcus Xanthus**
Advisor: Roy Welch

Ellen Catherine Masters, Ph.D., School Psychology
Does Anxiety Mediate the Relationship Between Sensory Hyperresponsiveness and Restricted, Repetitive Behaviors During Early Development?
Advisor: Natalie Russo

Lauren K. McCormick, Ph.D., Religion, May 2023

My Eyes Are Up Here: Guardian Iconography of the Judean Pillar Figurines

Advisor: James W. Watts

Mariana Mendes Bahia, Ph.D., Speech Language Pathology, August 2022

The Effects of the Effortful Swallow Maneuver on Hyolaryngeal Movement and Tongue-to-Palate Pressure

Advisor: Soren Lowell

Shea Meyer, Ph.D., Chemistry, December 2022

The Design, Synthesis, and Investigation into Small Molecule Modulators of the Src Homology 2 Domain-Containing Inositol 5'-Phosphatase (SHIP)

Advisor: John Chisholm

Emily Muffett, AuD, Audiology, May 2023

Advisor: Beth A. Prieve

Nan Thuzar Myint, Ph.D., Chemistry, May 2023

Development of a Novel Bistable DNA Sensor for Anti-HIV Drug Discovery and Re-engineering of Recombinant Cyclin T1-Tat Protein with SUMO Fusion in Escherichia Coli

Advisors: Philip N. Borer and Yan-Yeung Luk

Nicholas Ng, Ph.D., Mathematics, May 2023

On Homogeneous Closed Gradient Laplacian Solitons and the Modified Conformal Hessian

Advisor: William Wylie

Pankaj Patil, Ph.D., Chemistry, July 2022

A New Class of Antibiotic that Prevents Drug Tolerance, Persistence, and Resistance by Controlling Emergence of Phenotypes

Advisor: Yan-Yeung Luk

Vincent Portillo, Ph.D., Composition and Cultural Rhetoric, December 2022

Assembly Line Americans: Labor, Language, and Literacy at Ford Motors

Advisors: Brice Nordquist and Steve Parks

Jessica Marie Powers, Ph.D., Clinical Psychology

Longitudinal Associations Between Pain and Use of Cigarettes and E-Cigarettes in the Population Assessment of Tobacco and Health (PATH) Study

Advisor: Joseph Ditre

Olivia Francesca Procopio, AuD, Audiology, May 2023

Advisor: Kristen Kennedy

Alyne De Souza Rodrigues, Ph.D., Clinical Psychology, August 2022

Do Adverse Childhood Experiences Mediate the Relationship Between Autistic Traits and Borderline Personality Traits?

Advisor: Natalie Russo

Christopher Sant, Ph.D., Earth Sciences, May 2023

Pahoehoe Breakouts and Lava-Substrate Interactions: Insights from Large-Scale Experimental Lava Flows

Advisor: Jay Thomas

Michael Senatore, Ph.D., Physics, December 2022

High Fidelity Universal Gates Performed on a Continuously-Decoupled Coherence Enhanced Transmon Qubit

Advisor: Britton Plourde

Shaidu Nuru Shaban, Ph.D., Earth Sciences, December 2022

Cenozoic Extension of the Lake Tanganyika Rift, East Africa: Structures, Tectonostratigraphy and Paleoenvironmental Reconstruction

Advisor: Christopher A. Scholz

Alan Sheinfil, Ph.D., Clinical Psychology, July 2022

Development of a Combined Model of College Student Alcohol-Associated Condomless Sex

Advisor: Sarah Woolf-King

Kyle Spurgeon, Ph.D., Physics, July 2022

Characterization of Scintillation Light in Large Liquid Argon Detectors and the Implications for Proton Decay Searches

Advisor: Denver W. Whittington

Colin R. Swider, Ph.D., Biology, May 2023

*Acoustic Behavior, Poaching Risk, and Habitat Use in African Forest Elephants (*Loxodonta cyclotis*): Insights from Passive Acoustic Monitoring*

Advisor: Susan E. Parks

Rebecca Tash, AuD, Audiology, May 2023

Advisor: Joseph T. Pellegrino

Elise Velia, AuD, Audiology, May 2023

Advisor: Kathy R. Vander Werff

Jeffrey Wade, Ph.D., Earth Sciences, May 2023

Stream Temperature as a Tracer of Interactions Amongst Hydrological Processes, Atmospheric Exchange, and Human Activity

Advisors: Samuel Tuttle and Christa Kelleher

Nikolaus Wagner, Ph.D., Biology, August 2022

Investigating the Role of the Transcriptional Coregulator Cited2 in Regulating Intermediate Progenitor Proliferation and Modulating Behavior

Advisor: Jessica MacDonald

Mingyue Wang, Ph.D., Mathematics, May 2023

On Selecting the t Best of k Binomial Populations

Advisor: Pinyuen Chen

Kaya Wechsler, AuD, Audiology, May 2023

Advisor: Beth A. Prieve

Lachlan Wright, Ph.D., Earth Sciences, December 2022

Heterogeneous Strain Distribution & the Effects of High Frequency Climate Change on the Evolution of Early-Stage Rift Systems: Case Studies from Lakes Tanganyika and Malawi (Nyasa), East Africa

Advisor: Christopher A. Scholz

Hangyi Wu, Ph.D., Physics, May 2023

Search for Majorana Neutrinos in $B^- \rightarrow D()^+ \mu^- \mu^-$ Decays*

Advisor: Matthew Rudolph

Tianyue Wu, Ph.D., Mathematics, May 2023

Rescaled Density Processes of Voter Model Perturbations on r -Regular Random Graphs Converge to Feller's Branching Diffusion

Advisor: J. Theodore Cox

Abhilash Yallappa Dombara, Ph.D., Physics, July 2022

Constraining Beam Backgrounds and Analyzing the Detector Response in a Test Beam with the NOvA Experiment

Advisor: Denver W. Whittington

Hediyeh Zamani, Ph.D., Chemistry, May 2023

CsPbX₃ Nanoparticle Synthesis Via Nonpolar Solvent Choice and Microwave Heating, Growth Mechanism and CsPb(Br/I)₃ Stabilization by Halide Exchange

Advisor: Mathew M. Maye

College of Engineering and Computer Science

J. Cole Smith, Dean

DOCTORAL PRIZE WINNERS:

Henry Beaman, Ph.D., Bioengineering

Mangqing Guo, Ph.D., Electrical and Computer Engineering

Durgesh Ranjan, Ph.D., Mechanical and Aerospace Engineering

Sweta Roy, Ph.D., Bioengineering

Anand Vakil, Ph.D., Chemical Engineering

Chenyan Wang, Ph.D., Bioengineering

Xinyi Zhou, Ph.D., Computer and Information Science and Engineering

Dhafer Alqahtani, Ph.D., Civil Engineering, August 2022

A Sustainability Assessment Framework for Public-Private Partnerships (PPPs) in Highway Projects

Advisor: Baris Salman

Abiral Baniya, Ph.D., Mechanical and Aerospace Engineering, August 2022

Advanced Lithium Metal Batteries: Functional Electrolyte Additive and Lithium Metal/Solid-State Electrolyte Interface Engineering

Advisor: Quinn Qiao

Henry Beaman, Ph.D., Bioengineering, August 2022

Leveraging Isocyanate Chemistry for Low Cost and Highly Functional Hydrogels

Advisor: Mary Beth Monroe

Raja Sekhar Bobba, Ph.D., Mechanical and Aerospace Engineering, December 2022

Lewis-base Thioacetamide Assisted Crystallization of Lead-free Perovskite Solar Cells for Improved Efficiency

Advisor: Quinn Qiao

Chen-Hao Chang, Ph.D., Mechanical and Aerospace Engineering, August 2022

Switched Kinematic and Force Control for Lower-Limb Motorized Exoskeletons and Functional Electrical Stimulation

Advisor: Victor H. Duenas

Salama Dojana, Ph.D., Electrical and Computer Engineering, May 2023

A Novel Method for Tuning a Transistor-Based Non-Foster Matching Circuit for Electrically Small Wideband Antennas

Advisor: Jay Kyoon Lee

Caitlin G. Eger, Ph.D., Civil Engineering, May 2023

Causal Effects of Green Infrastructure on Stormwater Hydrology and Water Quality

Advisor: Charles Driscoll

Carlos Espinoza Zelaya, Ph.D., Mechanical and Aerospace Engineering, May 2023
Enhancing the Operational Resilience of Cyber- Manufacturing Systems (CMS) Against Cyber-Attacks
Advisor: Young Bai Moon

Amin Fallahi, Ph.D., Computer and Information Science and Engineering, July 2022
Adversarial Activity Detection and Prediction Using Behavioral Biometrics
Advisor: Vir V. Phoha

Emma Gist, Ph.D., Mechanical and Aerospace Engineering, July 2022
Exploring Passive Flow Control Techniques Applied to a Supersonic Multistream Rectangular Nozzle
Advisor: Mark Glauser

Mangqing Guo, Ph.D., Electrical and Computer Engineering, July 2022
Analysis of Wireless Networks with Massive Connectivity
Advisor: Mustafa Cenk Gursoy

Yuyan Hao, Ph.D., Mechanical and Aerospace Engineering, August 2022
Automatic Generation of Near-Body Structured Grids
Advisor: John F. Dannenhoffer, III

Alexander Hartwell, Ph.D., Mechanical and Aerospace Engineering, May 2023
Advanced Manufacturing of Multilayer Ceramic Composites for Application in Solid Oxide Fuel Cells
Advisor: Jeongmin Ahn

Pegah Hozhabri, Ph.D., Computer and Information Science and Engineering, August 2022
Protection Against Contagion in Complex Networks
Advisor: Sucheta Soundarajan

Shengmin Jin, Ph.D., Computer and Information Science and Engineering, December 2022
Interpretable Network Representations
Advisor: Reza Zafarani

Alexander Johnson, Ph.D., Civil Engineering, May 2023
Estimating Dry Deposition of Atmospheric Aerosols by Rain Washoff from Urban Surfaces
Advisor: Cliff Davidson

Laura Markley, Ph.D., Civil Engineering, May 2023
A Multi-Disciplinary Approach to Plastic Pollution from Environmental Sampling to Surveying: Quality Assurance, Freshwater Contamination, and Popular Opinions
Advisor: Charles Driscoll

Amirali Montakhab, Ph.D., Mechanical and Aerospace Engineering, August 2022
Numerical Investigation of the Effect of Inlet Turbulence Intensity on a Bluff-Body Stabilized Flame at Near Blow-Off Condition
Advisor: Benjamin Akih Kumgeh

Connor I. Olson, Ph.D., Civil Engineering, May 2023
Recent Changes in Mercury Cycling within the Conterminous United States
Advisor: Charles Driscoll

Shreyas Pathreker, Ph.D., Chemical Engineering, December 2022
Structure and Morphology of Photoreactive Monomer-Nanoparticle Mixtures Under Patterned Irradiation
Advisor: Ian D. Hosein

Durgesh Ranjan, Ph.D., Mechanical and Aerospace Engineering, May 2023
Multifunctional Nanochannel Wicks for Surface Wettability and Thermal Management
Advisor: Shalabh Maroo

Sweta Roy, Ph.D., Bioengineering, May 2023
A New Strategy for Persister Control
Advisor: Dacheng Ren

Robson Luis Schuarça, Ph.D., Chemical Engineering, May 2023
Kinetics of Hydrogenation Reactions on Supported Platinum and Platinum-Tin Catalysts
Advisor: Jesse Quentin Bond

Siavash Sharifi, Ph.D., Mechanical and Aerospace Engineering, May 2023
Designing LMPA-Based Smart Materials for Soft Robotics Applications
Advisor: Wanliang Shan

Francielli Silva Genier, Ph.D., Chemical Engineering, July 2022
New Solid Polymer Electrolytes for Lithium, Sodium, and Calcium-Based Batteries
Advisor: Ian D. Hosein

Anand Vakil, Ph.D., Chemical Engineering, December 2022
Exploring the Biomedical Applications of Polyurethane-Based Foams, Films, and Hydrogels
Advisor: Mary Beth Monroe

Chenyan Wang, Ph.D., Bioengineering, August 2022
Engineering Temporal and Spatial Complexity in Biomaterial Scaffolds for Cardiac Disease Modeling and Mechanobiology
Advisor: Zhen Ma

Joseph Wasswa, Ph.D., Civil Engineering, August 2022
Exploring the Roles of Organic Matter Source and Transformation for Photochemical Characterization of New York Lake Waters
Advisor: Teng Zeng

Tackla Winston, Ph.D., Bioengineering, August 2022
Targeted Mesenchymal Stem Cell Differentiation from Induced Pluripotent Stem Cells for Therapeutic Application
Advisor: Zhen Ma

Jia Xu, Ph.D., Civil Engineering, July 2022

Circular Reinforced Concrete Columns Damaged by Fire and Retrofitted with CFRP and Steel Jacketing

Advisor: Riyad S. Aboutaha

Chengxiang Yin, Ph.D., Electrical and Computer Engineering, May 2023

Visual-Semantic Learning

Advisor: Qinru Qiu

Kairui Zhang, Ph.D., Bioengineering, July 2022

Advanced in Vitro Models for Studying Bone Physiology

Advisor: Pranav Soman

Lin Zhang, Ph.D., Computer and Information Science and Engineering, May 2023

Real-Time Adaptive Detection and Recovery Against Sensor Attacks in Cyber-Physical Systems

Advisor: Fanxin Kong

Xinyi Zhou, Ph.D., Computer and Information Science and Engineering, December 2022

Algorithmic Solutions to Combat Online Fake News

Advisor: Reza Zafarani

School of Education

Kelly Chandler-Olcott, Interim Dean

DOCTORAL PRIZE WINNERS:

Gemma Cooper-Novack, Ph.D., Literacy Education

Christine Morgan, Ph.D., Teaching and Leadership

Tianxiao Yang, Ph.D., Instructional Design, Development, and Evaluation

Hugh Burnam, Ph.D., Cultural Foundations of Education, May 2023

Haudenosaunee Men and Masculinities in Higher Education: Perceptions, Reminders, and Responsibilities to Community

Advisor: Dalia Rodriguez

Kristian Ashley Contreras, Ph.D., Cultural Foundations of Education, May 2023

#NotYourMammy: Explicating the Experiences of Black Women Graduate Students as Learners and Laborers in American Academia

Advisor: Dalia Rodriguez

Gemma Cooper-Novack, Ph.D., Literacy Education, August 2022

“A Sense of Safe Connection”: An Affective Narrative Exploration with Queer Teenage Writers in an Out-Of-School Time Program

Advisor: Marcelle Haddix

Joseph Michael DeBarbieri, Ed.D., Educational Leadership, May 2023

Leading for Equity: Understanding the Influences, Realities, Resistance, and Beliefs Around Tracking and Acceleration in Suburban School Districts

Advisor: George Theoharis

Katie Ducett, Ph.D., Special Education, May 2023

Social Lives at College: Experiences of Students with Intellectual and Developmental Disability

Advisor: Beth Myers

Erin Friedman, Ph.D., Counseling and Counselor Education, May 2023

Data-Informed School Counseling Programming: Investigating the Relationship Between School Counselors’ Data Behaviors and Prior Training, Intrapersonal Characteristics, and School Factors

Advisor: Melissa M. Luke

Sarah Gentile, Ed.D., Educational Leadership, May 2023

Leadership Actions for Equitable Arts Education

Advisor: George Theoharis

Jessica Harnly, Ph.D., Mathematics Education, May 2023

An Investigation of the Impact of Embedding Learning Strategies into Developmental Mathematics Curriculum

Advisor: Joanna Masingila

John Holohan, Ph.D., Science Education, May 2023

The Effect of Land-Based Repeated Sprint Training in Hypoxia Compared to Normoxia on Anaerobic Capacity, Repeated Sprint Ability, and 100-Yard Swimming Performance: A Single-Blind Crossover Study

Advisor: Tom Brutsaert

Theresa Holtsbery, Ph.D., Teaching and Curriculum, December 2022

Unpacking the Implementation of Restorative Practices:

A Case Study of Race, Equity, and Change

Advisor: Mara Sapon-Shevin

Ahram Lee, Ph.D., Counseling and Counselor Education, December 2022

Counselor Educator's Perspective on Clinical Supervision Interventions for International Counseling Students

Advisor: Melissa M. Luke

Mary Ann Luciano, Ed.D., Educational Leadership, December 2022

Educational Leadership in Middle Schools: Informal Teacher Leaders

Advisor: Joseph B. Shedd

Christine Morgan, Ph.D., Teaching and Leadership, May 2023

Shifting Identities: An Examination of Teacher Professional Identity Development on an Interdisciplinary Collaborative Team

Advisor: Jeffery A. Mangram

Eryka Murphey, Ph.D., Teaching and Curriculum, December 2022

Teacher Candidate and Standardized Student Interactions Following Verbal Threats of Harm: Navigation of Authority, Displays of Care, and Solutions

Advisor: Benjamin Dotger

Keith Otto Newvine, Ph.D., Literacy Education, August 2022

Reading Privileges: Enacting Critical Race English Education in English Language Arts Classrooms

Advisor: Marcelle Haddix

Katherine Van Duyn Reichel, Ph.D., Teaching and Curriculum, May 2023

High Stakes Assessment and Testing Disconnect: Examining Student Performance on Grades 3–6 Common Core ELA and Math Assessments and Performance on English and Algebra Regents Exams in High School

Advisor: George Theoharis

Sally June Sayles-Hannon, Ph.D., Cultural Foundations of Education, May 2023

Civility, Epistemic Injustice, and Criticality: Toward a Praxis of Affective Democratic Friction

Advisors: Barbara Applebaum and Emily Robertson

Katie Scanlon, Ph.D., Higher Postsecondary Education, December 2022

Unpacking Athletics: An Exploration of Identity Development for Division I Women College Athletes

Advisor: Cathy McHugh Engstrom

Phillandra Samantha Smith, Ph.D., Special Education, August 2022

White Out: An Analysis of Presentations of Race and Ethnicity in U.S. Inclusive Education Textbooks

Advisor: Beth A. Ferri

Chelsea Stinson, Ph.D., Special Education, August 2022

Critical Aspirations: Disability, Education, and Community Cultural Wealth in a Sanctuary City

Advisor: Beth A. Ferri

Tianxiao Yang, Ph.D., Instructional Design, Development, and Evaluation, August 2022

Effects of Applying a Think-Pair-Share (TPS) Structure to Asynchronous Online Discussions (AODs) on Students' Performances: A Mixed Methods Study

Advisor: Jing Lei

School of Information Studies

David Seaman, Interim Dean

DOCTORAL PRIZE WINNERS:

Sarah Bratt, Ph.D., Information Science and Technology

Isabel Muñoz, Ph.D., Information Science and Technology

Tina AlSadhan, DPS, Information Management, August 2022

Leveraging Information Security Continuous Monitoring (ISCM) to Enhance Cybersecurity

Advisor: Joon S. Park

Sarah Bratt, Ph.D., Information Science and Technology, July 2022

Research Data Management Practices and Impacts on Long-Term Data Sustainability:

An Institutional Exploration

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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

