

Excellence in Teaching  
and Learning

2017-2018  
New Faculty





Faculty Center for Excellence in Teaching & Learning  
Herman D. James Hall, Room 3092  
Rowan University  
201 Mullica Hill Road  
Glassboro, NJ 08028

The Faculty Center for Excellence in Teaching and Learning creates appropriate connections across campus in order to facilitate individuals' growth as engaged University citizens and serves faculty, supporting offices and the institution in pursuit of teaching, scholarship and creative excellence. The Center's three areas of activity are 1) induction and ongoing support of junior faculty; 2) professional development focused on research-based teaching practices, learner-centered teaching, reflective pedagogy and academic career progress; and 3) institutional change relevant to teaching, scholarship and creative activities. The Center encourages self-directed inquiry through various modes including programs, learning communities, discussion groups and conference participation.

# Rowan University Welcomes our new faculty for 2017-2018

Dear Friend,

This academic year, we welcomed 31 new tenure-track faculty to the Rowan family. They are settling into their places within 21 departments across our many colleges, schools and campuses. In their new home, they join top faculty members who work in the classroom, in the lab and in the field alongside more than 18,000 undergraduate, graduate and medical students. As educators, researchers and mentors, each one makes a difference in the lives of our students. They join a distinguished faculty of committed professionals who take an interest in what our students learn today and where they will go tomorrow.



Like professors who have been here five years — and 25 years — these new hires represent the best of the best. Rowan — with its ongoing commitment to undergraduate education — continues to strive to attract the highest-quality faculty, and these new professors are indeed that. They come to us from the University of Texas at Austin, University of Georgia, University of Oregon and Massachusetts Institute of Technology, among other top-flight schools and programs.

Faster than seems humanly possible, we have new buildings, new programs, new collaborations, but, most importantly, we have fresh new faces helping to build a legacy. The professors featured here will have the most to say about what Rowan becomes in the next 20 years. We look forward to their contributions to our students' education, scholarship in their disciplines, service to the University and engagement in the community.

Sincerely,

A handwritten signature in black ink, appearing to read "Bonnie Angelone".

Bonnie Angelone, Ph.D.  
Director  
Faculty Center



# New Faculty Bios



## Mohammad Abedin-Nasab

Assistant Professor  
Department of Biomedical Engineering  
Henry M. Rowan College of Engineering

B.S., Mechanical Engineering, KNT University of Technology, Iran; M.S., Mechanical Engineering, Sharif University of Technology, Iran; Ph.D., Mechanical Engineering, Sharif University of Technology

Dr. Abedin-Nasab's professional and research interests include surgical robotics, biomechanics and nonlinear control. He is the director of the Surgical Robotics Lab at Rowan University where he is developing new surgical robotic and imaging systems for orthopedic applications. Dr. Abedin-Nasab is the first recipient at Rowan University of the prestigious University City Science Center grant. He is also the editor of the *Elsevier's Handbook of Robotic and Image-Guided Surgery*.



## Megan Atwood

Assistant Professor  
Department of Writing Arts  
College of Communication & Creative Arts

B.A., English and Anthropology, University of Iowa; M.F.A., specialty in writing for children and young adults, Hamline University

Ms. Atwood has written and published more than 35 books. Her most recent work includes a young adult horror book, to be released in fall 2017, and the second book in a middle grade series, to be released in December. In addition to writing and teaching, Ms. Atwood has been in the publishing industry for 17 years working as an acquiring editor, developmental editor, managing editor and literary agent at different times. Her research issues include genre as metaphor, interrogation of gender norms and diversity in kidlit. She teaches general creative writing, genre writing, writing for children, and classes in editing and publishing.



## Erica Blatt

Assistant Professor  
Department of Science, Technology, Engineering, Art and Mathematics (STEAM)  
College of Education

B.A., Earth & Environmental Science/Biology, Washington University; M.S.Ed., Secondary Science Education, University of Pennsylvania; Ph.D., Science Education, University of New Hampshire

Dr. Blatt specializes in science and environmental education with an emphasis on curriculum development and teacher education. Her current research focuses on determining best practices for helping teachers incorporate environmental topics into their teaching. She also has investigated pre-service teachers' youth experiences in the outdoors and their intentions and perceived obstacles to taking students outdoors. Prior to coming to Rowan, she was an assistant professor of science education at the College of Staten Island, City University of New York. Previously, Dr. Blatt taught high school biology, earth science and environmental science in diverse settings, including inner city Philadelphia, Phillips Academy in Andover, Massachusetts, and Costa Rica.



## Seong Cho

Associate Professor  
Department of Accounting & Finance  
Rohrer College of Business

B.A., Business, Yonsei University, South Korea; M.S., Operations Research, Yonsei Graduate School; M.A., Economics, University of Rochester; Ph.D., Accounting/Finance, SUNY at Buffalo

Dr. Cho started his career as a banker/economist at the Bank of Korea. He has more than 15 years of teaching experience in financial and managerial accounting and accounting information systems. More recently, he has been involved with advising student investment clubs teaching financial statement analysis. Dr. Cho's main research agenda is corporate social responsibility. His research has been published in high-quality academic journals and presented at numerous conferences. For free time, Dr. Cho enjoys home improvement projects and listening to classical music.



## Vahid Heydari

Assistant Professor  
Department of Computer Science  
College of Science & Mathematics

B.S., Computer Engineering, University of Science & Culture, Iran; M.S., Computer Engineering, Payame Noor University, Iran; M.S., Cybersecurity, University of Alabama in Huntsville; Ph.D., Computer Engineering, University of Alabama in Huntsville

Dr. Heydari's research interests include moving target defenses and mobile ad-hoc, sensor and vehicular network security. He is the inventor of three pending patents related to the moving target defense technologies. He has been invited to talk on several occasions, including at the 16th National Cyber Summit. He won the best poster award at the 11th International Conference on Cyber Warfare and Security and the best student poster award at the 20th Colloquium for Information Systems Security Education. At Rowan, he teaches Practical Aspects of Cyber Security, Advanced Cyber Security and Computer Forensics.



## **Kate E. Kedley**

Assistant Professor  
Department of Language, Literacy & Sociocultural Education  
College of Education

B.A., English Education, University of Northern Iowa; M.A., English, Northern Arizona University; Ph.D., Language, Literacy and Culture, University of Iowa

Dr. Kedley was a high school and junior high Language Arts teacher for 10 years in Iowa, Arizona and Honduras. Her university teaching interests are working especially with pre-service teachers in the subjects of literacy, literature and writing, and in the field during practicum placements. Dr. Kedley's research interests center on critical pedagogy, education in Central America, teachers in social movements and LGBTQ issues in the classroom. She has three children — Boris, Kaiser and Malachy — and loves cats.



## **Misty Knight-Finley**

Assistant Professor  
Department of Political Science & Economics  
College of Humanities & Social Sciences

B.A., Political Science, California State University-Long Beach; M.A., Political Science, University of California, Irvine; Ph.D., Political Science, University of California, Irvine

Dr. Knight-Finley's research spans both comparative and American politics and might best be described as comparative public policy. Her substantive policy interests include domestic human rights, social welfare and social regulatory policy. Dr. Knight-Finley has taught courses on American politics and human rights. At Rowan, she teaches American Government and Public Policy. In her free time, she enjoys spending time outdoors with her family, visiting museums, attending theatrical performances and cycling.

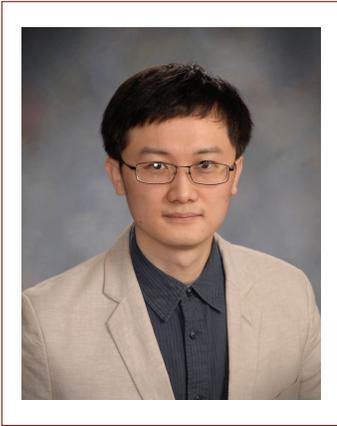


## **Hannah Kye**

Assistant Professor  
Department of Interdisciplinary & Inclusive Education  
College of Education

B.A., Early Childhood Education with Special Education Approval, University of Illinois, Urbana-Champaign; M.A., Gifted Education, Teachers College, Columbia University; Ed.D., Curriculum and Teaching, Teachers College, Columbia University

Dr. Kye's research reflects her commitments to multicultural social justice education and inquiry-based learning. She formed an inquiry community about teaching science for social justice with teachers in New York City and presented aspects of this research at prominent academic conferences. Her professional experience includes work as a kindergarten and second grade teacher, student-teaching supervisor, and instructor in graduate courses on inclusive pedagogy and curriculum development at Teachers College, Columbia University. At Rowan, she teaches courses in early childhood education. Outside of work, she enjoys making art and music with her daughters.



## Yupeng Li

Assistant Professor  
Department of Political Science & Economics  
College of Humanities & Social Sciences

B.A., Finance, Accounting, Shandong University, China; M.A., Economics, Stony Brook University; Ph.D., Economics, Stony Brook University

Dr. Li's research interests are in health economics, clinical outcomes research, industrial organization and applied econometrics. More specifically, one of his current research projects focuses on patent transfers within the pharmaceutical industry, while another focus looks at the long-term consequences associated with aortic aneurysms. He works extensively with physicians and serves as the health economist in the research group at the Yale Center for Thoracic Aortic Disease. His related scholarly work has been published or accepted in several journals, such as *The Journal of Thoracic and Cardiovascular Surgery* and *Journal of Vascular Surgery*. At Rowan, he teaches courses in economics.



## Eric Liguori

Associate Professor  
Department of Management & Entrepreneurship  
Rohrer College of Business

B.S., Human Resource Management, Florida State University; M.B.A., University of South Florida; Ph.D., Entrepreneurship, Louisiana State University

Dr. Liguori is the Rohrer Chair of Entrepreneurship and executive director of the Center for Innovation and Entrepreneurship at Rowan University. Dr. Liguori has authored or co-authored three books and 29 peer-reviewed journal articles published in leading outlets. His work has been featured in major media outlets, including *Forbes*, *USA Today*, and *U.S. News & World Report*. Dr. Liguori currently serves as senior VP of operations for the U.S. Association for Small Business and Entrepreneurship (USASBE), the largest professional association in the world dedicated to advancing the discipline of entrepreneurship education through bold teaching, scholarship and practice. He also serves as the executive editor of *Entrepreneurship Education and Pedagogy*, co-editor of the *USASBE Annals* and associate editor for the *Journal of Small Business Management*.



## Jason Luther

Assistant Professor  
Department of Writing Arts  
College of Communication & Creative Arts

B.A., English Education, SUNY Fredonia; B.S., Communication, SUNY Fredonia; M.A., English, University of Nevada, Reno; Ph.D., Composition and Cultural Rhetoric, Syracuse University

Dr. Luther's research is concerned with venues for public writing, rhetoric and pedagogy, especially those adopted by amateurs who make use of the tools at hand to produce and circulate their own publications. His current project traces the historical emergence of DIY print culture and examines the ways in which the popularization of the internet has affected zine authorship in the 21st century. Dr. Luther has taught in high schools, writing centers and public libraries. This year, he will teach two courses in Writing Arts: Writing, Research and Technology and the Future of Writing module for the department's introductory course. When he's not researching material culture, Dr. Luther is contributing to it, collecting records, riding bikes and documenting parenthood on social media.

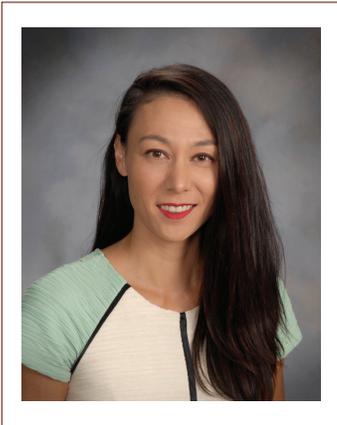


## Jeanna M. Mastrocinque

Assistant Professor  
Department of Law & Justice Studies  
College of Humanities & Social Sciences

B.A., Criminal Justice and History, University of Delaware, Honors with Distinction; M.A., Criminal Justice, University at Albany, State University of New York; Ph.D., Criminal Justice, University at Albany, State University of New York; Postdoctoral Fellowship Training, University of Rochester Medical Center, Department of Psychiatry

Dr. Mastrocinque's research focuses on the intersection of victimization and health with attention to specific victim populations. She has led and been a part of several grant-funded studies involving families and friends of homicide victims and suicide-loss survivors, as well as intimate partner violence in the Deaf community. Her work, both quantitative and qualitative, seeks a multidisciplinary approach to better understand the experiences and consequences of victimization, as well as victims' experiences with response systems. Dr. Mastrocinque currently serves as an executive officer for the American Society of Criminology's Division of Victimology. At Rowan, Dr. Mastrocinque teaches introductory courses and advanced courses, including Death Penalty Law.



## Colleen Montgomery

Assistant Professor  
Department of Radio, Television & Film  
College of Communication & Creative Arts

B.A., Film Studies, University of British Columbia, Canada; M.A., Film Studies, University of British Columbia; Ph.D., Media Studies, The University of Texas at Austin

Dr. Montgomery is a film and media scholar whose research primarily centers on animation, film sound and vocal performance. Her research interests also include gender and representation, translation and dubbing, and post-Soviet cinema. Her work is published in *Animation Studies*, *Cinephile*, *Media Industries*, and *Music Sound and the Moving Image*. Dr. Montgomery teaches Applied Media Aesthetics in the Department of Radio, Television & Film.



## Jordan S. Moore

Assistant Professor  
Department of Accounting & Finance  
Rohrer College of Business

B.S., Finance, Massachusetts Institute of Technology; Ph.D., Finance, University of Rochester

Dr. Moore has significant experience working as a proprietary equities trader, including overseas assignments in Sydney and London. His primary research objective is using insights from behavioral economic theory to improve financial outcomes for individual investors. Dr. Moore received a research grant from the Montreal Institute of Structured Finance and Derivatives to aid his research on financial innovation. He is excited to teach Financial Institutions and Markets as well as Portfolio Management. Dr. Moore is married with two young children. His outside interests include hiking, golf and bass guitar.



## Michael Dean Morgan

Assistant Professor  
Department of Theatre & Dance  
College of Performing Arts

B.A., Theater, English, Carroll University (WI); M.F.A., Acting, University of California at Irvine

Mr. Morgan is a Broadway actor, stage director, and professional speech and dialect coach who was last seen on Broadway in the new musical, *Amazing Grace*. His extensive professional performance work includes Mr. Banks in the Broadway musical *Mary Poppins*; Zazu in *The Lion King*; the world premiere of Disney's *Finding Nemo: The Musical*; off-Broadway and numerous regional theaters including The McCarter Theatre and Bucks County Playhouse; and on-screen for HBO, Amazon and NBC. This summer, *The Philadelphia Inquirer* praised Mr. Morgan's direction of *Man of La Mancha* at The Princeton Festival. He previously worked as an adjunct speech and theater professor for the Princeton Theological Seminary and a presenter for the Princeton University concert series. He is an active member of several professional organizations and currently is co-authoring a book on the changing face of the Broadway character actor.



## Thanh Trung Nguyen

Assistant Professor  
Department of Mathematics  
College of Science & Mathematics

B.S., Mathematics, Vietnam National University Hanoi; M.S., Mathematics, Vietnam National University Hanoi; Ph.D., Engineering Sciences, Vrije Universiteit Brussel, Belgium

Dr. Nguyen's research interests include topics of applied mathematics such as partial differential equations, numerical analysis, optimization, inverse problems and applications in engineering problems such as subsurface detection and imaging, nondestructive evaluation and medical imaging. Before joining Rowan University, he worked at the Austrian Academy of Sciences, UNC Charlotte and Iowa State University. He has published more than 30 papers in refereed journals and conference proceedings. At Rowan, he teaches various mathematics courses.



## Matthew Pittman

Assistant Professor  
Department of Public Relations & Advertising  
College of Communication & Creative Arts

B.S., Media Arts & Design, James Madison University; M.Div., Theology & Culture, Fuller Theological Seminary; Ph.D., Media Studies, University of Oregon

Dr. Pittman researches at the intersections of social/new media, emotional well-being and strategic communication. Secondary research areas include binge-watching and ethics. He has received several fellowships and awards and his work has been in journals such as *Computers in Human Behavior*, *Social Media in Society* and *Media Ethics*. At Rowan, Dr. Pittman teaches Advertising Copywriting, Research Methods, and PR/Advertising Law and Ethics. He enjoys running, surfing, good bourbon and spending time with his family.

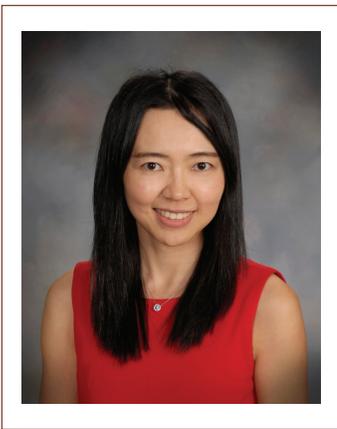


## Erin Pletcher

Assistant Professor  
Department of Health & Exercise Science  
School of Health Professions

B.S., Rehabilitation Science, University of Pittsburgh; M.S., Sport and Recreation Administration, James Madison University; Ph.D., Rehabilitation Science, University of Pittsburgh

Dr. Pletcher is an athletic trainer with research interests centered around approaches for improved injury prevention, rehabilitation and performance optimization. Her recent projects have included examining musculoskeletal and biomechanical characteristics of softball pitchers and tactical athletes within the U.S. military. Previously, Dr. Pletcher served as the assistant director of Athletics and head athletic trainer at Philadelphia University working with all 17 varsity athletic teams. At Rowan, she teaches athletic training courses.



## Yuanmei (Elly) Qu

Assistant Professor  
Department of Management & Entrepreneurship  
Rohrer College of Business

B.S., Information Systems and Information Management, Xi'an University of Architecture Technology, China; M.S., Business Administration, Xi'an Jiaotong University, China; Ph.D., Organizational Behavior, University of Miami

Dr. Qu's research interests include leadership, team processes, values, mindfulness, emotions, conflict and creativity. Her research has appeared in such publications as *Journal of Business Ethics*, *International Journal of Conflict Management*, and *Industrial and Organizational Psychology: Perspectives on Science and Practice*. At Rowan, she teaches courses in organizational behavior.



## Vahid Rahmani

Assistant Professor  
Department of Marketing & Business Information Systems  
Rohrer College of Business

B.S., Business Administration, University of Tehran, Iran; M.Sc., International Business, University of Beheshti, Tehran, Iran; Ph.D., Business Administration, Old Dominion University

Dr. Rahmani's research interests include digital marketing, exploring the boundaries of consumers' rational decision making, and studying the effects of gender, price and persuasion knowledge on consumers' price-quality perceptions. He has presented his research at multiple academic conferences. Before joining Rowan, he taught several courses including Principles of Marketing, Consumer Behavior and Multi-National Marketing. At Rowan, Dr. Rahmani teaches Strategic Marketing Management.



## Gerald T. Rustic

Assistant Professor  
Department of Geology  
School of Earth & Environment

B.S., Biology/Geology, University of Rochester; M.S., Environmental Science, Rutgers University; Ph.D., Earth and Environmental Science, City University of New York

Dr. Rustic is a paleoceanographer who studies human-scale climate variability and its relationship to overall climate conditions at the millennial, Holocene and glacial-interglacial time-scales. His research focus is the El Niño Southern Oscillation (ENSO), the largest source of inter-annual climate variability on Earth. Dr. Rustic reconstructs ENSO history via geochemical analysis of microscopic shells from single-celled organisms found in ocean sediments. He comes to Rowan from the Lamont-Doherty Earth Observatory in New York where he worked on projects spanning multiple oceans and the last 300,000 years of Earth's history. He teaches Historical Geology, as well as courses related to paleoclimatology, oceanography, climate and climate change.



## Christina Simmons

Assistant Professor  
Department of Psychology  
College of Science & Mathematics

B.A., Psychology, Syracuse University; B.A., Spanish Language, Literature & Culture, Syracuse University; M.A., School Psychology, University of Georgia; Ph.D., School Psychology, University of Georgia

Dr. Simmons specializes in the assessment and treatment of severe behavior in individuals with autism spectrum disorder and other developmental disabilities. Her overarching research interest is the promotion of socially valid outcomes for individuals with developmental disabilities who engage in aberrant behavior. Toward that goal, she is exploring how to best facilitate caregiver involvement during assessment, treatment and maintenance of treatment effects. Her scholarly work has been published in prominent journals. Dr. Simmons completed a Fulbright Fellowship in Madrid, Spain where she taught students with emotional and behavioral disorders and researched teacher attitudes toward inclusion. At Rowan, she teaches courses in the School Psychology and Applied Behavior Analysis programs.



## Scott Streiner

Assistant Professor  
Department of Experiential Engineering Education Department (ExEEd)  
Henry M. Rowan College of Engineering

B.S., Industrial Engineering, University of Pittsburgh; M.S., Industrial and Systems Engineering, North Carolina State University; Ph.D., Industrial Engineering, University of Pittsburgh

Dr. Streiner's training is in engineering education and his research interests include engineering global competency, curricula and assessment; evidence-based teaching practices and curricular innovations applied to misconceptions; and engineering education policy. Dr. Streiner has published papers on and given presentations about global engineering education at several national conferences. He has a passion for data analysis and has taught classes in probability and statistics. At Rowan, he teaches Freshman Engineering Clinic. In his free time, Dr. Streiner enjoys being active and playing board games.



## Bo Sun

Associate Professor  
Department of Computer Science  
College of Science & Mathematics

B.S., Computer Science, Wuhan University, China; M.S., Computer Science, Lamar University; Ph.D., Modeling and Simulation, Old Dominion University

Dr. Sun has more than 10 years of research and development experience in visualization. Her current research interests include computer vision and simulation using serious gaming and immersive technologies and developing visualization methods for data analytics. Dr. Sun has many publications in journals and conference proceedings and holds a U.S. patent for which she has won two “best paper” awards and one “best presentation” award. She has taught many courses in computer games and has extensive experience in curriculum development. Dr. Sun is a visiting faculty member at the Center for Digital Visualization at the University of Pennsylvania and a visiting scientist at Brookhaven National Lab in New York. Before joining Rowan, she was former chair of the Department of Computer Science at Lincoln University.



## Gary Thompson

Assistant Professor  
Department of Chemical Engineering  
Henry M. Rowan College of Engineering

B.S., Chemical Engineering, University of South Carolina; Ph.D., Bioengineering, Clemson University

Dr. Thompson’s research interests lay in characterizing and controlling biological processes using combinations of engineered materials and directed energy stimuli. Currently, his research focuses on mechanobiology and pulsed electromagnetic field bioeffects. He previously received fellowships from the National Research Council and the Oak Ridge Institute for Science & Mathematics for postdoctoral research at the Air Force Research Laboratory in San Antonio, Texas. His graduate work garnered the annual Page Morton Hunter Graduate Researcher Award from the Department of Bioengineering at Clemson University. At Rowan, Dr. Thompson embraces the professor’s role as facilitator and teaches separation processes and biomedical process engineering.



## Patrice (Polly) Tremoulet

Assistant Professor  
Department of Psychology  
College of Science & Mathematics

B.S.E., Civil Engineering and Operations Research, Princeton University; M.S., Operations Research, Stanford University; M.S., Psychology, Rutgers University; Ph.D., Psychology, Rutgers University

Dr. Tremoulet specializes in research that uses information about human behavior, abilities and limitations to design and evaluate tools that improve safety, productivity and/or health. She has spearheaded a broad range of advanced human-computer interaction research at Bell Laboratories, Lockheed Martin, Drexel University, Children’s Hospital of Philadelphia and ECRI Institute. She has considerable experience designing intuitive human-machine interfaces for complex, information-intensive systems. Dr. Tremoulet has worked closely with a diverse set of colleagues and, as a result, has publications in many fields, including cognitive development, perception, reasoning and decision-making, training and healthcare informatics. At Rowan, she teaches statistics and continues to conduct applied human factors research.



## Nicholas Whiting

Assistant Professor  
Departments of Physics & Astronomy / Molecular & Cellular Bioscience  
College of Science & Mathematics / School of Health Professions

B.S., Chemistry, Southern Illinois University; Ph.D., Chemistry, Southern Illinois University

Dr. Whiting possesses an interdisciplinary research background: a trained chemist who interrogates physical processes to improve applications in biomedicine. The majority of his research has focused on the hyperpolarization of nuclear spins to improve the sensitivity of magnetic resonance applications. In the classroom, Dr. Whiting teaches classes in biomedical instrumentation and physics. Before joining Rowan, Dr. Whiting was awarded a National Science Foundation International Research Fellowship at the University of Nottingham in the United Kingdom, as well as Odyssey and NCI R25T fellowships from the MD Anderson Cancer Center. He plans to continue his work in hyperpolarization research, while also incorporating theranostic nanoparticles and monitoring the effects of electronic cigarettes.



## Kirti M. Yenkie

Assistant Professor  
Department of Chemical Engineering  
Henry M. Rowan College of Engineering

B.Tech., Chemical Engineering, Laxminarayan Institute of Technology, Nagpur, India; M.Tech., Chemical Engineering, Indian Institute of Technology Bombay, India; Ph.D., Bioengineering, University of Illinois at Chicago

Dr. Yenkie's research focuses on leveraging process systems engineering principles in the areas of healthcare and environment. She comes to Rowan with prior research experience from the University of Wisconsin-Madison and University of Delaware. Her multidisciplinary work involves principles and methods from mathematical modeling, simulation, programming, optimization, control, uncertainty analysis and stochastic processes. Dr. Yenkie's Ph.D. work on in-vitro fertilization was awarded the Best Research on Women and Gender studies at the University of Illinois at Chicago. Her work has been published in leading journals and presented in renowned technical conferences. She has been a teaching associate for applied optimization and has mentored graduate and undergraduate students. Dr. Yenkie teaches the course on process dynamics and control.



## Cheng Zhu

Assistant Professor  
Department of Civil & Environmental Engineering  
Henry M. Rowan College of Engineering

B.Eng., Civil Engineering, Nanyang Technological University, Singapore; M.Eng., Civil Engineering, Nanyang Technological University; M.S., Civil Engineering, Georgia Institute of Technology; Ph.D., Civil Engineering, Georgia Institute of Technology

Dr. Zhu's research primarily concerns multi-scale geomaterial behavior under coupled processes across various time scales with emphasis placed on microstructure characterization, constitutive model formulation and computational geomechanics for applications in geological storage and energy geotechnics. Prior to joining Rowan's Department of Civil & Environmental Engineering, he worked in the Bureau of Economic Geology at the University of Texas at Austin. At Rowan, he teaches courses in geotechnical engineering and geomechanics. He is a recipient of the James S. Lai Outstanding Graduate Award from the geosystems group at Georgia Tech.

*Not Pictured*

## **Iman Noshadi**

Assistant Professor  
Department of Chemical Engineering  
Henry M. Rowan College of Engineering

B.S., Chemical Engineering, Shiraz University, Iran; M.S., Chemical Engineering, University of Technology, Malaysia; Ph.D., Chemical Engineering, University of Connecticut; Postdoctoral Fellow, Massachusetts Institute of Technology

Dr. Noshadi teaches Chemical Engineering Thermodynamics and Engineering Clinic courses. His research interests lie at the interface of catalysis, biology, and micro- and nano-engineering technologies with the focus on three main areas including (a) synthesis of bio-based chemicals and pharmaceuticals using heterogeneous solid acid and solid base catalysts in microreactor arrays; (b) integration of catalytic and biocatalytic processes to produce chemicals and biochemicals; and (c) development of novel polymers for membrane separation processes to efficiently enrich chemicals and pharmaceuticals. Prior to Rowan, he worked on the design and synthesis of novel polymers and biomaterials for tissue engineering applications and biomedical devices. He also examined the synthesis of heterogeneous polymers for catalytic conversion of biomass to high value-added chemicals. His innovative work has been recognized with the Best Doctoral Thesis Award and he has led scientific teams that have commercialized biochemical processes, which have been award-winning collaborative works with several start-up companies.

## **Paul Ullmann**

Assistant Professor  
Department of Geology  
School of Earth & Environment

B.S., Earth Sciences, Montana State University; Ph.D., Biology (Paleontology), Drexel University

Dr. Ullmann investigates the chemistry behind bone fossilization and chemical-alteration pathways that lead to preservation of soft tissues and biologic molecules in vertebrate fossils. His research grounds the burgeoning field of molecular paleontology in geology, as one cannot understand how original molecules persist in fossils until one understands their geochemical histories. After his doctoral work as a National Science Foundation Graduate Research Fellow at Drexel University, Dr. Ullmann served Rowan as a postdoctoral fellow with Dr. Kenneth Lacovara, dean of the School of Earth & Environment. He is excited to help build the geology program at Rowan and teaches Dinosaurs and Their World and many classes for the paleontology concentration of the Geology major.





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