2016-2017
New Faculty

Excellence in Teaching and Learning

Rowan University

The Faculty Center for Excellence in Teaching & Learning serves individuals, groups and the institution in pursuit of teaching excellence. Its three areas of activity are: 1) induction and ongoing support of junior faculty; 2) professional development focused on the scholarship of teaching, learner-centered teaching, collaboration and reflective pedagogy; and 3) partners in strategic planning and implementation of institutional change relevant to teaching and learning and in-line with Rowan University's Four Pillars (Access, Quality, Affordability, Economic Engine). The Center encourages self-directed inquiry through workshops, discussion groups, learning communities and conference participation.

Rowan University Welcomes
our new faculty for 2016-2017

Dear Friend,

This academic year, we welcomed to the Rowan family 45 new tenure-track faculty members within 27 departments and eight colleges. In their new home, they join top faculty members who work in the classroom, in the lab and in the field alongside 17,000+ 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 North Carolina at Chapel Hill, Princeton University, Max Planck Institute, Syracuse University, Iowa State University, Virginia Tech, Baylor University and University of Southern California, among other top-flight schools.

Faster than seems humanly possible, we have new buildings, new programs and new collaborations. 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,

Bonnie Angelone, Ph.D.
Director
Faculty Center

New Faculty Bios

Mary Alpaugh

Associate Professor
Departments of Biological Sciences and Biomedical & Translational Sciences
College of Science & Mathematics

B.S., Biology and Philosophy, King's College; Ph.D., Biochemical & Biophysical Sciences, University of Houston

Dr. Alpaugh's research focuses predominantly on the molecular mechanisms of intravasation, the rate-limiting step of metastasis and resistance/susceptibility of the lymphovascular emboli to therapeutics. Her early accomplishments include establishing a patient-derived xenograft, significantly the first (and only) human transplantable inflammatory breast cancer (IBC) xenograft, called MARY-X. The MARY-X model has precisely captured the signature phenotype of IBC where tumor cells grow and it provides both a preclinical IBC model and a relevant model of metastasis. Overall, Dr. Alpaugh's research focuses on the development of efficacious cancer therapeutic strategies. In addition to her above work, she also developed an ex vivo response technique used on primary tumors and/or associated metastases that has been successfully implemented in the preclinical and clinical setting of drug development. It aims to identify the "exceptional" responder in a prospective manner and can be a step towards a personalized/precision medicine approach in therapeutic development strategies.

Adrian Barnes

Assistant Professor
Department of Music
College of Performing Arts

B.A., Music Education, Bethune-Cookman University; M.M.Ed., Florida State University; Ph.D., Fine Arts, Texas Tech University

Dr. Barnes' primary research interests include the recruitment of historically marginalized populations into higher education. Dr. Barnes has presented his research both locally and nationally at the Texas Music Educators Association (TMEA) and Society for Music Teacher Education (SMTE) conferences. While pursuing graduate studies at Texas Tech University, Dr. Barnes served as a research assistant on a Promise Neighborhood Grant awarded to Texas Tech University by the U.S. Department of Education for the purposes of establishing better relationships and providing social capital to African Americans/Blacks and Latinos of Mexican-origin within a historically disenfranchised section of Lubbock, Texas.

New Faculty Bios for 2016-2017

Dawn Bazemore

Assistant Professor
Department of Theatre & Dance
College of Performing Arts

B.F.A., Dance, SUNY Purchase; M.F.A., Dance, Hollins University

Mrs. Bazemore is a dancer and choreographer who has dedicated her research and pedagogy to finding new and inventive ways of using art to investigate the sociopolitical issues that affect her community. Professionally, she spent 10 years as a principal dancer with Philadanco before performing ensemble and featured roles in various Broadway and regional theater productions. Mrs. Bazemore has conducted teaching and choreographic residencies at Virginia Commonwealth University and the University of North Carolina's School of the Arts and is also a master lecturer at the University of the Arts. In 2015, she published her first essay on dance activism for *The Dancer-Citizen* and she premiered her new work, choreographed for Philadanco, at the Kimmel Center for the Performing Arts. Mrs. Bazemore teaches modern dance technique and world dance studies for dance and theater majors.
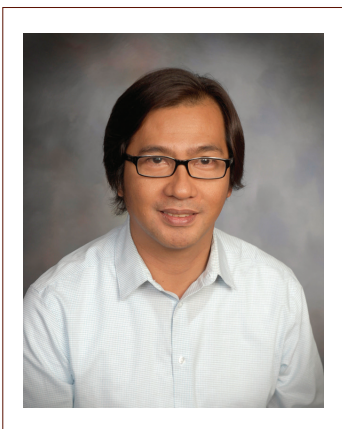
Anthony (Tony) Breitzman

Assistant Professor
Department of Computer Science
College of Science & Mathematics

B.S., Mathematics, Stockton University; M.A., Mathematics, Temple University; M.S. Computer Science, Drexel University; Ph.D., Computer Science, Drexel University

Dr. Breitzman's teaching interests include data analytics, database technologies, compiler construction, linear algebra and differential equations. His research interests are in the areas of data mining, machine learning, sentiment analysis, convolution algorithms and number theory. Prior to joining the Department of Computer Science, he spent five years as a 3/4-time assistant professor in Rowan's Department of Mathematics where he taught everything from calculus to abstract algebra. He is the inventor of two patents, and has authored two book chapters and 20+ journal and conference papers on subjects as varied as identifying emerging technologies to historical milestones in the twin prime conjecture.

Carmelo Callueng

Assistant Professor
Department of Educational Services & Leadership
College of Education

B.S., Psychology, St. Paul University, Philippines; M.S., Measurement & Evaluation, De La Salle University-Manila, Philippines; M.Ed., School Psychology, University of Florida; Ph.D., School Psychology, University of Florida

Dr. Callueng's broad research interests include promoting academic and mental health well-being of immigrant children, multi-tiered systems of intervention and assessment in K-12 schools and international school psychology. Prior to joining Rowan, he was a faculty member at the University of Nebraska-Kearney and De La Salle University-Manila, Philippines. He co-authored a number of publications and currently is on the editorial board of the *International Journal of School and Educational Psychology* (IJSEP). He was a recipient of scholarship and research awards from the American Academy of School Psychology (AASP), American Psychological Association (APA), Florida Association of School Psychologists (FASP), International School Psychology Association (ISPA) and University of Florida. At Rowan, Dr. Callueng teaches research and professional courses in school psychology.

Joel Capellan

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

B.A., Political Science, Buffalo State University; M.A., Social Science, University of Chicago; Ph.D., Criminal Justice, CUNY Graduate Center

Dr. Capellan specializes in statistics and spatial analysis. Substantively, his research interests are wide. He has conducted and published research on state-sponsored repression, segregation, lone-wolf terrorism, policing bias, and criminological and sociological theories. Currently, he is devoting most of his attention to the study of mass public shootings. At Rowan, he teaches introductory courses in criminal justice and advanced courses in mass murder and mass public shootings.

Benjamin Carone

Assistant Professor
Departments of Biological Sciences and Biomedical & Translational Sciences
College of Science & Mathematics

B.S., Molecular & Cellular Biology and Philosophy, University of Connecticut; Ph.D., Genetics and Genomics, University of Connecticut

Dr. Carone is a molecular biologist specializing in genomics approaches to understanding the epigenetic basis of transgenerational inheritance in a wide variety of organisms ranging from yeast to humans. He comes to Rowan from previous teaching and research positions at Williams College and University of Massachusetts Medical School where his research explored the inheritance of acquired states in mice. He has been published in top-ranked journals including *Science, Nature* and *Cell*. Dr. Carone continues his research at Rowan investigating the capacity for engineered fusion proteins to establish epigenetic marks in S. cerevisiae. He pursues his passion for teaching at the undergraduate level by instructing courses in the Department of Biological Sciences focusing on genetics, genomics and bioinformatics.
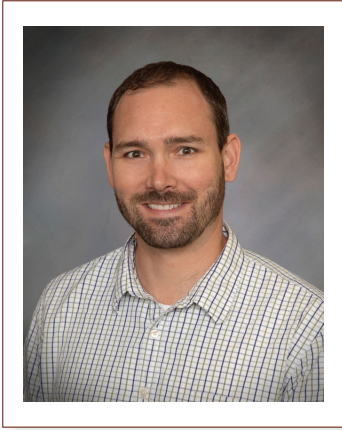
Harold Connolly Jr.

Full Professor
Department of Geology
School of Earth & Environment

B.A., Geological Sciences, Rutgers University; M.S., Geological Sciences, Rutgers University; Ph.D., Geological Sciences, Rutgers University

Dr. Connolly is chair of the Department of Geology. He investigates the origin and earliest evolution of Earth-like planets within the beginning stages of solar system development. To accomplish his science goals, he studies meteorites and asteroids. He is trained as a petrologist and cosmochemist. Dr. Connolly is co-investigator on two asteroid sample return missions, NASA's OSIRIS-REx and JAXA's Hayabusa2, and is mission sample scientist on OSIRIS-REx in charge of all science related to surface geology and sample analysis. He teaches undergraduate- and graduate-level geology courses including those for non-majors, a specialty of his.

Brent Elder

Assistant Professor
Department of Interdisciplinary & Inclusive Education
College of Education

B.A., Psychology and Art History, University of California, Santa Barbara; M.Ed., Special Education, University of California, Santa Barbara; Ph.D., Special Education & Disability Studies, Syracuse University

Dr. Elder's research focuses on the development of sustainable inclusive education practices in under-resourced schools. Specifically, his work uses a critical disability studies lens to examine the intersections of disability, poverty and education. During the 2015-16 academic year, he conducted his doctoral research in Kenya as a Fulbright scholar. Dr. Elder has published in the *International Journal of Inclusive Education, Disability and the Global South, Disability Studies Quarterly, Societies without Borders* and the *Journal of International Special Needs Education*. He teaches courses on collaboration for inclusive education and clinical experiences in special education. When not teaching, he enjoys traveling, live music and spending time with family.

Jennifer Espinosa

Assistant Professor
Department of Marketing & Business Information Systems
William G. Rohrer College of Business

B.A., International Business, University of South Florida; M.S., Marketing, University of South Florida; Ph.D., Business Administration: Marketing, University of South Florida

Dr. Espinosa's primary research interests cover both sides of the marketing exchange, including customer-focused topics such as brand image formation and product return motivations. She also studies firm-focused topics such as sustainability and wicked problems. Dr. Espinosa has presented her research at prominent marketing conferences. At Rowan, Dr. Espinosa teaches marketing research. Outside of work, she enjoys spending time with her family, figure skating and reading mystery novels.

Sarah Ferguson

Assistant Professor
Department of Interdisciplinary & Inclusive Education
College of Education

B.A., Anthropology, University of North Texas; M.S., Educational Psychology, University of North Texas; Ph.D., Educational Research, University of North Texas

Dr. Ferguson is an applied methodologist in education research focusing on the application of advanced research methods and statistical approaches to issues in education. Prior to coming to Rowan, Dr. Ferguson was a certified teacher in the state of Texas in the areas of elementary education, middle school science and high school science. She has taught in both K-12 and higher education for more than six years. Her current research focuses on the intersection of individual differences research in psychology and curriculum and instruction research in education, particularly looking at how personality affects learning in the classroom.

Dustin Fife

Assistant Professor
Department of Psychology
College of Science & Mathematics

B.S., Psychology, Brigham Young University, Provo; Ph.D., Quantitative Psychology, University of Oklahoma

Dr. Fife's research expertise is in non-random selection and missing data. Most statistical procedures assume (explicitly or implicitly) that samples were obtained using random selection. Rarely is this the case in psychology where convenience samples are frequently used. His research aims to discover how convenience sampling biases parameter estimates and how we can recover population parameters from biased samples. He concludes if non-random selection is considered as a "missing data" problem, solutions are possible. Aside from that main research area, Dr. Fife also spends a lot of time thinking and writing about, as well as programming algorithms for, large-scale data mining operations. He has developed packages in R that aim to solve "small N, large p" type problems.

Gracemarie Mike Fillenwarth

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

B.A., English, King's College (Pennsylvania); M.A., English, Virginia Tech; Ph.D., English, Purdue University

Dr. Fillenwarth's primary research interest is the relationship between language and power, especially in regard to writing pedagogy. Her recent projects include an archival study examining the teaching of English to immigrant women in the early 20th century and a qualitative study on engineers' rhetorical moves in résumé writing to communicate their competencies. In addition to her research, Dr. Fillenwarth has experience with teaching technical writing, especially within the context of engineering. At Rowan, she teaches Sophomore Engineering Clinic along with an introductory course in writing arts. Outside of her academic work, Dr. Fillenwarth enjoys running, volunteering, and spending time with family and friends.
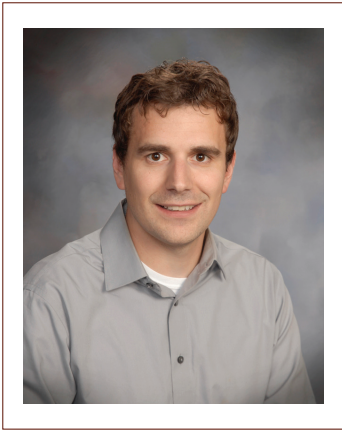
Daniel Freidenreich

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

B.S., Exercise Science, Rutgers University; M.A., Kinesiology, The University of Connecticut; Ph.D., Kinesiology, The University of Connecticut; Post-Doctoral Researcher, Kinesiology, The Ohio State University

Dr. Freidenreich is part of the exercise science specialization within the new Nutrition and Dietetics Program, which merges physiology, metabolism and nutrition. He teaches courses in Basic Nutrition, Nutrition for Fitness and Introduction to Nutrition Professions. His research interests include the effects of low carbohydrate diets on health and human performance, the metabolic effect of variations in the macronutrient profile of the diet in healthy and metabolically diseased populations, and the impact of exercise and diet on the immune system.

James Grinias

Assistant Professor
Department of Chemistry & Biochemistry
College of Science & Mathematics

B.S., Chemistry, Eastern Michigan University; Ph.D., Analytical Chemistry, University of North Carolina at Chapel Hill

Dr. Grinias has a number of research interests focused on chemical separations and microfluidics both at the fundamental level and for the analysis of biological systems. He previously received fellowships from the National Science Foundation for his graduate work at UNC-Chapel Hill — where he was a member of the Royster Society of Fellows — and from the National Institutes of Health for his postdoctoral research at the University of Michigan. Based on his graduate research on liquid chromatography, Dr. Grinias was named a Csaba Horváth Young Scientist award winner — a top award for young researchers in the field — at the High Performance Liquid Chromatography conference. At Rowan, he teaches courses in general and analytical chemistry.

Mac Haas

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

B.S., Chemical Engineering and Environmental Engineering, Drexel University; M.S., Mechanical Engineering & Mechanics, Drexel University; M.A., Mechanical & Aerospace Engineering, Princeton University; Ph.D., Mechanical and Aerospace Engineering, Princeton University

Dr. Haas studies chemically reacting flows, particularly those related to bio/alternative fuel energy conversion and the formation and destruction of air pollutants. His research explores the "atoms-to-applications" interconnections underpinning the performance, efficiency, and emissions of propulsion and stationary power generation processes. His work appears in *Fuel, Combustion and Flame* and *Journal of Physical Chemistry A*, among other journals. Princeton University has twice recognized him with the Luigi Crocco Teaching Prize for excellence in graduate teaching for lab and lecture courses in fluid mechanics. At Rowan, Dr. Haas teaches courses in the thermal-fluid sciences.
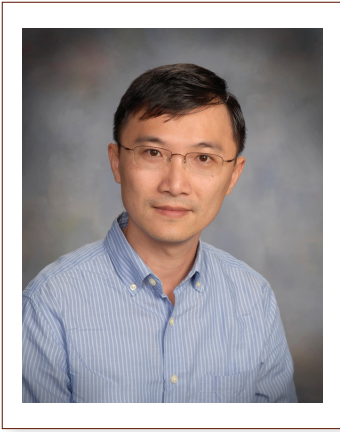
Cory Hixson

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

B.S., Engineering Science, Penn State University; M.S., Industrial & Systems Engineering (Management Systems Engineering focus), Virginia Tech; Ph.D., Engineering Education, Virginia Tech

Dr. Hixson's professional and research interests include technology commercialization/ entrepreneurship in both academia and industry; engineering, entrepreneurship and innovation education; and the higher education policies that influence both engineering education and innovation. Dr. Hixson has taught university courses focused on customer discovery, startup development and entrepreneurial thinking. At Rowan, he teaches Freshman Engineering Clinic. He is a former National Science Foundation Graduate Research Fellow and has experience as a professional engineer, K-12 teacher and innovation consultant.

Shen-Shyang Ho

Assistant Professor
Department of Computer Science
College of Science & Mathematics

B.S. (Hon.), Mathematics with Computational Science, National University of Singapore; M.S., Computer Science, George Mason University; Ph.D., Computer Science, George Mason University

Dr. Ho's research focuses on developing machine learning, pattern recognition and data-mining solutions for spatiotemporal tasks. Sponsors of his research include NASA, Rolls Royce and BMW. He has two U.S. patents and one pending German patent. Dr. Ho was a recipient of the NASA postdoctoral fellowship when he was at NASA JPL/Caltech. Prior to joining Rowan, he was an assistant professor at Nanyang Technological University in Singapore and a research associate at the University of Maryland Institute for Advanced Computer Studies. He has taught artificial intelligence, biostatistics and advanced database management. At Rowan, he teaches Introduction to Object Oriented Programming and Machine Learning.

Marya Hornbacher

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

B.A., Philosophy and Poetics, New College of California; M.F.A. (ABD), Fiction & Creative Nonfiction, Vermont College of Fine Arts

Ms. Hornbacher is an award-winning essayist, journalist and *The New York Times* bestselling author of five books. Hornbacher's work has been published in 18 languages and her writing across genres appears regularly in literary and journalistic publications around the world. Her sixth book, a work of long-form journalism, will be published in January 2018. Her seventh, a collection of essays, will appear the following year. Her research interests include critical and creative inquiry into international literatures and the American mythos. She recently was honored with the Annie Dillard Award in Creative Nonfiction. Hornbacher teaches graduate and undergraduate nonfiction and creative writing courses.

Kul Kapri

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

B.Sc., Physics and Mathematics, Tribhuvan University, Nepal; M.Sc., Statistics, Tribhuvan University; M.S., Mathematics, Western Illinois University; Ph.D., Economics, Syracuse University

Dr. Kapri's research and teaching interests are in international economics, development economics, labor economics and econometrics. More specifically, his recent works focus on labor market outcomes and trade policy, trade orientation and firm performance, offshoring and remittances. His scholarly work has been published or is forthcoming in several well-known journals, such as *Development Journal of the South*, *International Review of Economics & Finance* and others. As a consultant to the World Bank and a government officer to the Government of Nepal, he also is involved in formulation, implementation, monitoring/supervision and evaluation of many public policies and programs. At Rowan, he teaches courses in economics.
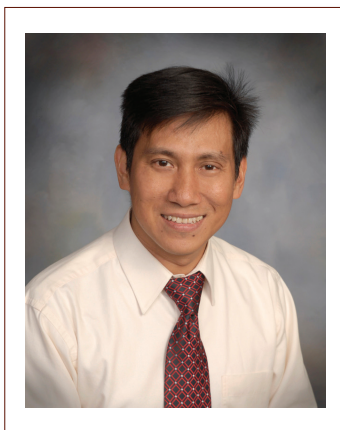
Nina Krey

Assistant Professor
Department of Marketing & Business Information Systems
William G. Rohrer College of Business

B.B.A., Marketing, University of Louisiana at Monroe; M.B.A., University of Louisiana at Monroe; Ph.D., Marketing, Louisiana Tech University

Dr. Krey's primary research interests include the influence of atmospheric cues on behavioral, cognitive and affective responses across different consumption environments. Specifically, she looks at how sensation and sensory stimulation impacts the creation of value-added consumption experiences. She also is interested in consumer adoption of new technologies including wearable technologies. Dr. Krey has presented her research at prominent marketing conferences and has published in multiple journals, such as the *Journal of Business Research*. She teaches Services Marketing and Marketing Research at Rowan. In her free time, she enjoys traveling, trying out new culinary recipes, dancing and working out.

Gilson Lomboy

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

B.S., Civil Engineering, Mapua Institute of Technology, Philippines; M.Eng., Structural Engineering, Asian Institute of Technology, Thailand; D.Eng., Structural Engineering, Asian Institute of Technology; Ph.D., Civil Engineering Materials, Iowa State University

Dr. Lomboy's research is in the area of cement-based materials and computational mechanics. He is interested in durability and rheology, multiscale testing and analysis, and nanotechnology of cement-based materials. His interest in computational mechanics primarily focuses on non-linear analysis of beam, plate and shell structures with application to isotropic materials, laminate composites and concrete materials. He is a guest editor for special issues by the *Journal of Sustainable Cement-Based Materials* and the *Advances in Materials Science and Engineering* journal. He is a recipient of a Teaching Excellence Award from Iowa State University in recognition of outstanding achievement by a graduate student in teaching. He is a licensed professional engineer in the Philippines and was practicing structural engineering prior to pursuing graduate studies.

Amy Lysak

Assistant Professor
Department of Accounting & Finance
William G. Rohrer College of Business

B.S., Marketing, Rutgers University; M.S., Accountancy, University of Virginia; Ph.D., Management (concentration in accounting), Rutgers University

Dr. Lysak's research interests are in accounting with a special focus on the accounting and auditing standard-setting processes and the role that public accounting firms play in the development of these standards. She also is interested in research in auditing regulation and its impact on current audit practice and financial reporting and disclosures. Dr. Lysak teaches both financial accounting and auditing courses. She is also a Certified Public Accounting (New York) and has worked more than 12 years for a Big 4 public accounting firm as an auditor in the financial services industry. Outside of teaching and research, Dr. Lysak enjoys spending time with her family, sporting events and other outdoor activities.

Mahbubur Meenar

Assistant Professor
Department of Geography & Environment
School of Earth & Environment

B.Arch., Architecture, Bangladesh University of Engineering & Technology; M.U.P., Urban & Regional Planning, State University of New York at Buffalo; Ph.D., Geography & Urban Studies, Temple University

Dr. Meenar examines the connection between spatial and human dimensions in developing plans for sustainable communities, focusing on the nexus of land, water and food. His research interests also include the use of geo-spatial and other digital technologies in participatory spatial planning. His work has been published in leading journals, including *Journal of Planning Literature, Landscape and Urban Planning* and *Environmental Management* and he has received several grants for his work. Dr. Meenar currently teaches Geovisualization and Community Planning & Site Design. Prior to joining Rowan University, he served as a GIS specialist, researcher and educator at Temple University's Center for Sustainable Communities for more than a decade. Currently, he is the principal investigator of a Brownfields area-wide planning project, funded by the U.S. Environmental Protection Agency.
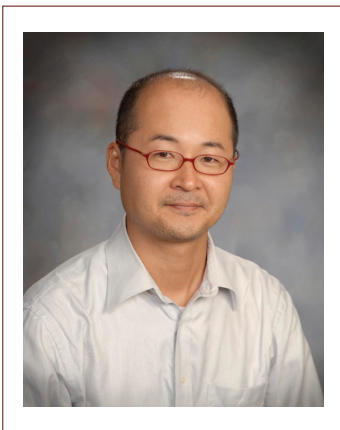
Michael Milovich Jr.

Assistant Professor
Department of Marketing & Business Information Systems
William G. Rohrer College of Business

B.A., Management (concentration in finance), Capital University; M.B.A., Baylor University; Ph.D., Information Systems, Baylor University

In addition to information technology (IT) consulting, Dr. Milovich is a former IT executive. As a business champion, his work has been performance focused in IT strategy and integration. He has business acumen from a blend of startup and Fortune 500 practice experience with formal education. His research interests focus on the business value of IT and information systems (IS) strategy; efficiency in operations and deployment of innovations; and the culture and organizational change of anytime, anywhere, any-device computing. Dr. Milovich has authored IS journal papers, co-authored conference papers and co-chaired conference minitracks. Twice he was nominated for outstanding graduate student instructor and received the award for the fall 2015 semester.

Hajime Mitani

Assistant Professor
Department of Educational Services & Leadership
College of Education

B.A., International Relations, Nihon University, Japan; Ed.M., Economics and Education, Teachers College, Columbia University; Ph.D., Leadership and Policy Studies, Vanderbilt University

Dr. Mitani's research interest resides at the intersection of educational leadership and policy. In particular, he examines leadership effectiveness and performance, leadership preparation programs and administrator evaluation systems. In addition, he is interested in international comparative education and development. He was a classroom teacher, an intern at UNICEF New York Headquarters and a quantitative educational research analyst. He teaches Quantitative Analysis in Educational Research and Dissertation Seminar II. His recent paper published at the *Journal of Educational Administration* received the A. Ross Thomas Outstanding Paper Award for the best paper appearing in the journal in 2015.

New Faculty Bios for 2016-2017

Ashley Pattwell

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

B.A., Media & Communication and International Studies, Muhlenberg College; Ph.D., Communication, Culture & Media, Drexel University

Dr. Pattwell's research focuses on the intersections of social media and grief, particularly using online mourning as a lens to explore celebrity/fan parasocial relationships, fan communities and consumer culture. Her work on communication and critical branding studies has appeared in *The International Journal of Communication* and *Popular Communication*. Prior to her academic career, she worked in the public relations industry on an issues management and crisis communication team. Outside of teaching, she enjoys cooking, traveling and television (which she sometimes justifies as research).

Christine Poteau

Assistant Professor
Department of Foreign Languages & Literatures
College of Humanities & Social Sciences

B.A., Spanish, Saint Joseph's University; M.A., Spanish Applied Linguistics, Temple University; Ph.D., Spanish Applied Linguistics, Temple University

Dr. Poteau is assistant professor of Spanish Translation and Interpretation/Applied Spanish at Rowan. Her teaching and research interests include intercultural competence development, linguistic and ethnic minorities, and health care and legal disparities. Her work has been published in numerous books and journals. She was the recipient of the Henderson Plenary Award at the Foreign Language and Education and Technology (FLEAT) VI Conference at Harvard University and served as the keynote speaker at the Northeast Association for Language Learning Technology (NEALLT) 2016 Conference at Gettysburg College. Dr. Poteau currently serves as U.S. Liaison to Linguistics of the International Higher Education Teaching and Learning (HETL) Association.

Jennifer Rich

Assistant Professor
Department of Interdisciplinary & Inclusive Education
College of Education

B.A., English, Muhlenberg College; M.S.Ed., Reading & Literacy, Bank Street College of Education; Ed.D., Teacher Leadership, Rutgers University

Dr. Rich researches social emotional learning in teacher education, focusing specifically on anti-bias education, the efficacy of Holocaust education and the creation of safe classroom spaces. At Rowan, she serves as the co-coordinator of the Rowan Center for Holocaust and Genocide Studies, which serves as a hub of research and programming in southern New Jersey. Dr. Rich teaches in the elementary education program, as well as in the Honors college, and is the professor-in-residence at Johnstone Elementary in Vineland.
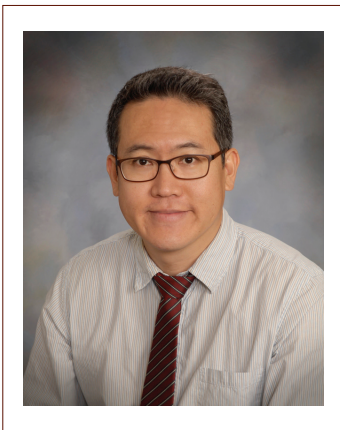
Cecile Sam

Assistant Professor
Department of Educational Services & Leadership
College of Education

B.A., Philosophy and English, Loyola Marymount University; M.A., Philosophy, Loyola Marymount University; M.A., Education, Loyola Marymount University; Ph.D., Urban Education, University of Southern California

Dr. Sam is a qualitative researcher whose current focus in on the nexus between grassroots leadership, faculty work and educational policy that spans K-20 contexts. She particularly is interested in the role ethics plays in these areas. Her previous work includes studies on non-tenure track faculty in higher education, program evaluation and Common Core reform initiatives. Prior to joining Rowan, she was a research specialist at the University of Pennsylvania and spent seven years as a middle school History and English Language Arts teacher. Dr. Sam teaches courses for the doctoral program in Educational Leadership.
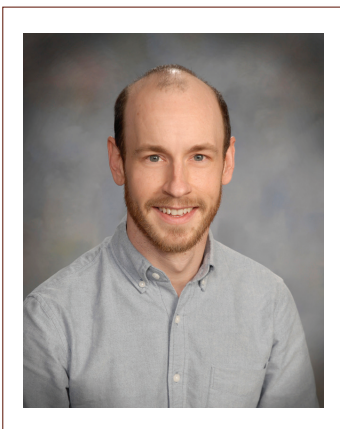
Jiwook (Stephen) Shim

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

B.S., Electrical & Computer Engineering, Hankuk University of Foreign Studies, Korea; M.S., Electrical & Computer Engineering, University of Missouri; Ph.D., Bioengineering, University of Missouri

Dr. Shim's research interests lay in single-biomolecule detection, biomarker detection and nanotechnology-based biosensor development. He currently focuses on cancer biomarker detection at the molecular level, specifically the association of DNA methylation with pre- and early-stage cancer using biologically inspired nanotechnology. He teaches electrical foundations in biomedical engineering. After postdoctoral training at the Beckman Institute for Advanced Science and Technology, he works as a research scientist at the Micro and Nanotechnology Laboratory at the University of Illinois at Urbana–Champaign. His work has been published in *Scientific Reports*, *ACS Nano*, *Nucleic Acids Research* and *Advanced Functional Materials*.

Luke Trusel

Assistant Professor
Department of Geology
School of Earth & Environment

B.S., Geology, University of Massachusetts Amherst; M.S., Geology & Environmental Geosciences, Northern Illinois University; Ph.D., Geography, Clark University

Dr. Trusel's research explores the response of Earth's ice sheets in Greenland and Antarctica to past, ongoing and future climate change. By integrating satellite remote sensing, ice coring and climate models, his work seeks to frame the modern era within a longer-term context and elucidate connections between the polar regions and the global climate system. His research is published in leading journals, including *Nature Geoscience* and *Geophysical Research Letters*. Prior to joining Rowan, he was a postdoctoral scholar in geology and geophysics at Woods Hole Oceanographic Institution. At Rowan, Dr. Trusel is excited to help build the geology program and teach courses in earth, climate and cryospheric sciences.
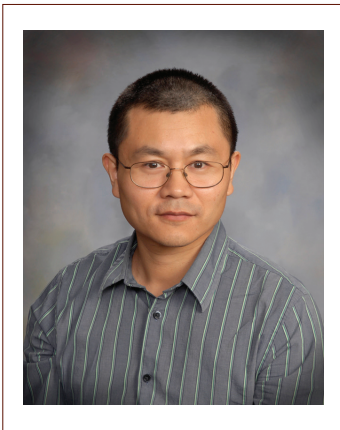
Nicole Vaughn

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

B.S., Psychology, Morgan State University; M.S., Medical Psychology, Uniformed Services University of the Health Sciences; Ph.D., Medical Psychology, Uniformed Services University of the Health Sciences

Dr. Vaughn is a health psychologist and has additional postdoctoral training in cardiovascular behavioral medicine. Her research focuses on health disparities reduction. She has led government- and foundation-funded community-based participatory research projects in health promotion, disease prevention and youth violence prevention in the Washington, D.C., and Philadelphia areas. Dr. Vaughn has been selected as a National Cancer Institute Fellow for the Mentored Training for Dissemination & Implementation Research in Cancer (MT-DIRC) program. She has taught courses, mentored and advised master's and doctoral students in the Health Policy and Social Justice program at the Dornsife School of Public Health at Drexel University. She also has taught graduate courses in race, ethnicity, gender and social class as well as social justice. At Rowan, Dr. Vaughn teaches Program Planning in Health Promotion and Health Behavior Theory and Practice.
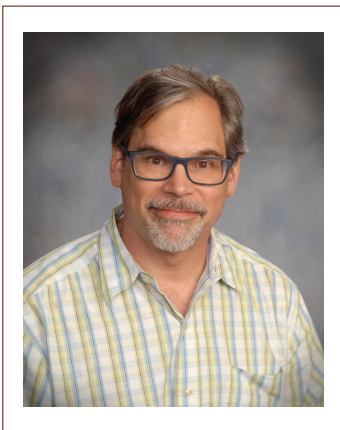
Min Wang

Assistant Professor
Department of Mathematics
College of Science & Mathematics

B.S., Mathematics & Applied Mathematics, Ocean University of China; M.S., Applied Mathematics, Ocean University of China; M.S., Mathematical Sciences, Northern Illinois University; Ph.D., Mathematical Sciences, Northern Illinois University

Dr. Wang is a mathematician with both academic and industrial experience. His research interest is in applied mathematics and statistical modeling. As a mathematician, Dr. Wang has taught a wide range of math courses, published papers in reputable journals and given presentations at several national and international conferences on mathematics. Dr. Wang always seeks intellectual challenges and expects to apply his math knowledge and programming skills to solve problems. Outside of work, he enjoys watching movies and hiking with his family.

Robert Weaver

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

B.A., Sociology, SUNY at Cortland; M.A., Sociology, University of Connecticut; Ph.D., Sociology, University of Connecticut

Dr. Weaver's research examines various social determinants of health and healthcare. Specifically, he explores how myriad information tools – e.g., websites, mobile apps and wearable technologies – help inform people about their health and health care, while shaping how health and clinical decisions are made. His research also examines the various ways whereby economic, social and cultural resources shape health, wellness and the management of health conditions. Before arriving at Rowan, Dr. Weaver taught for many years at universities in Connecticut, Ohio and Ontario. At Rowan, he teaches Practicum and research courses for the Department of Health & Exercise Science.

Robert White

Assistant Professor
Department of Nursing
School of Health Professions

B.S.N., Trenton State College; M.S.N., The College of New Jersey; D.N.P., Rutgers University

Dr. White has worked in a variety of areas including psychiatry and substance abuse outpatient and inpatient settings. He holds national board certification as a Psychiatric Nurse Practitioner and as a Family Nurse Practitioner. In addition to working in private practice in New Jersey, Dr. White also provides psychiatric consultation services within hospitals, nursing homes and home-care settings. Prior to Rowan, he held appointments at the former University of Medicine and Dentistry of New Jersey and Rutgers University teaching undergraduate and graduate courses. Dr. White is a member of Sigma Theta Tau International, the honor society of nursing.

Christopher Winkler

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

B.A., Broadcasting, Telecommunications & Mass Media, Temple University; M.A., Television, Radio & Film, Syracuse University

An award-winning educator and television production professional, Mr. Winkler has worked on programming for the Philadelphia Phillies, Comcast SportsNet, NFL Films/NFL Network and ESPN among others. For the past 10 years, he served as the television production coordinator for the College of Communication & Creative Arts producing numerous high-profile videos for the College and University, and advising the students of the Rowan Television Network. A two-time Rowan University Wall of Fame for Excellence in Teaching award winner, he teaches courses in studio television production, live event TV and video production, and multimedia production technology. His research and creative work explores the integration of new technology in the presentation of live and immersive event experiences within and beyond the television medium.
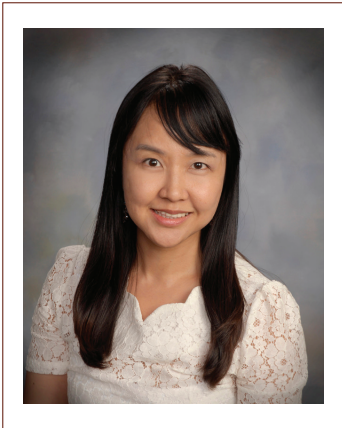
Ben Wu

Assistant Professor
Department of Electrical & Computer Engineering
Henry M. Rowan College of Engineering

B.S., Electrical Engineering, Nankai University, China; Ph.D., Electrical Engineering, Princeton University

After earning his Ph.D. in 2015, Dr. Wu joined Princeton University's Lightwave Communications Research Laboratory as a postdoctoral research associate. He received the IEEE Photonics Society Graduate Student Fellowship in 2015, the Newport Award of Excellence in Photonics in 2015, the Princeton Wu Prize for Excellence in 2014, the Princeton Engineering School Excellence in Teaching Award in 2013, the Graduate Student Fellowship in 2009 and the Best Undergraduate Thesis Award (top out of 60 students) in 2008. He has published more than 30 articles in international journals and conferences, including 10 first-author journal articles, 12 conference articles and two book chapters. He also is an active reviewer for 19 journals and conferences.

Hae Min Yu

Assistant Professor
Department of Interdisciplinary & Inclusive Education
College of Education

B.A., Early Childhood Education, Chung-Ang University, Korea; M.A., Early Childhood Education, Chung-Ang University; Ed.D., Curriculum & Teaching (concentration in early childhood education), Teachers College, Columbia University

Dr. Yu's research areas in early childhood education include cultural diversity issues, Asian American immigrant families and communities, qualitative research, sociocultural theory, teacher education and arts-integrated curriculum. Before joining Rowan, she was an assistant professor at Missouri State University where she taught early childhood curriculum, assessment and multicultural education courses. Her scholarly work has been published or is forthcoming in several journals including *Asia-Pacific Journal of Research in Early Childhood*, *Journal of Early Childhood Research* and *Global Studies of Childhood*.

Not Pictured

Jeffrey Greeson

Assistant Professor
Department of Psychology
College of Science & Mathematics

B.A., Psychology, Swarthmore College; M.S., Biomedical Chemistry, Thomas Jefferson University; Ph.D., Clinical Psychology, University of Miami; Postdoctoral Fellowship, Health Psychology, Duke University

Dr. Greeson directs an interdisciplinary research program that integrates psychology with health, medicine and basic science. Trained as a clinical health psychologist, his research interests include the effects of stress on mental and physical health and how reducing stress can enhance wellness. His research has been funded by the National Institutes of Health for 15 years and he currently is a fellow of the Institute for Integrative Health. As a licensed psychologist, Dr. Greeson provides psychotherapy to adults. He has nearly 50 peer-reviewed publications and has given more than 100 invited presentations to students, researchers and healthcare professionals. Dr. Greeson teaches health psychology.

Martin Haase

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

Dipl. Ing. (FH), Process & Environmental Engineering, Beuth University, Germany; Ph.D., Physical Chemistry, Max Planck Institute of Colloids and Interfaces, Germany

Dr. Haase's research is in the field of soft matter science with a focus on colloids and interfaces. His academic background and industry experience in process engineering and physical chemistry allow him to create new materials with applications in separation processes, biofuel synthesis and anti-corrosive coatings. His research and teachings have been published in various scientific journals, patents and popular press outlets such as *The New York Times*. He has acquired funding from the German Research Foundation and received awards for his research at international conferences. Through his work, he is committed to inspiring students to pursue academic and industrial careers in engineering and natural sciences. Dr. Haase teaches courses in thermodynamics and colloid and interface science.

Marian Nowak

Assistant Professor
Department of Nursing
School of Health Professions

B.S.N., Thomas Jefferson University; B.S., Stockton University; M.Ed., Temple University; M.P.H., Johns Hopkins University; M.S.N., Thomas Jefferson University, C.S.N. (certification), Rowan University; D.N.P, Case Western Reserve University

Dr. Nowak teaches across the nursing curriculum. Her research focuses on active learning techniques as well as the integration of innovative nursing solutions to public health challenges. She continues to research ways to improve student learning outcomes and address public health issues. Dr. Nowak also volunteers as a parish nurse and as a disaster response nurse. In 2013, she invented and researched a three-step field triage technique that has been featured nationally and internationally. Dr. Nowak is a United Nations delegate and represents nurses in 45 countries. She recently received the prestigious Nurse.com GEM award and was named National Nurse of the Year.

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