



WELCOME NEW FACULTY

..... FALL 2016



BOLD SOLUTIONS | GLOBAL IMPACT



THE UNIVERSITY OF TEXAS AT ARLINGTON



A MESSAGE FROM THE PRESIDENT



Dear Colleagues,

Welcome to The University of Texas at Arlington! As you meet your new colleagues, explore the campus, and gain a sense of the vibrant and diverse culture that is UTA, know that you are now a part of a strong community with a commitment to excellence that is building a unique institution—the Model 21st-Century Urban Research University.

We were recently named to the elite group of R-1: Doctoral Universities-Highest Research Activity as designated by the Carnegie Classification of Institutions of Higher Education. We experienced record-breaking degree-seeking enrollment in the 2015-16 academic year, with 38,650 Texas-based students and more than 54,000 students globally. Many of our graduate programs across all of our colleges were ranked by *U.S. News & World Report* among the top in the nation. We continue to chart new directions for academe every day, and now you are a part of our thrilling trajectory.

I am very excited to welcome you here and I look forward to the many contributions that you will make to your students, to your field, and to the University as a whole.

Sincerely,

Vistasp M. Karbhari
President

A MESSAGE FROM THE VICE PRESIDENT FOR ACADEMIC AFFAIRS AND INTERIM PROVOST



Welcome to the Maverick family! UTA is an exceptional place, and we are delighted to have you join our thriving community of students, faculty, and staff. In recent years UTA has grown in numbers and distinction, and we are committed to the success of our faculty.

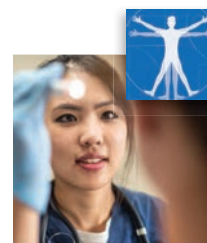
You will find a variety of resources available to support your transition, from professional learning communities to training on Blackboard to research and writing groups. Engage, flourish, and enjoy!

Warm regards,

Linda K. Johnsrud
Vice President for Academic Affairs and Interim Provost

FOUR GUIDING THEMES

The *Strategic Plan 2020: Bold Solutions | Global Impact* is driven by four overarching themes: health and the human condition, sustainable urban communities, global environmental impact, and data-driven discovery. These themes guide UTA on a path to unprecedented excellence in research, teaching, and community engagement while encouraging collaboration and innovation across disciplines.



HEALTH AND THE HUMAN CONDITION

UTA focuses on health and the human condition from distinct yet broadly encompassing vantage points. We explore health management within physical, mental, emotional, and social contexts. Health innovations are distinguished by diagnostic, prognostic, and technological advancements that help people live longer, healthier, and happier lives.



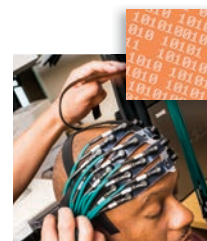
SUSTAINABLE URBAN COMMUNITIES

UTA fosters sustainable urban communities through a focus on the natural, built, economic, cultural, and social environments. Learning from the past and present to ensure a sustainable future, we examine and interpret demographic changes and the broad spectrum of human capital.



GLOBAL ENVIRONMENTAL IMPACT

UTA addresses critical issues that affect our planet, including climate change, energy, water, natural disasters, and pollution. By analyzing global population dynamics, we are developing an understanding of our world—and solutions for its problems—through avenues ranging from environmental economics to history.



DATA-DRIVEN DISCOVERY

UTA focuses on research that integrates big data from multiple fields and develops analytics and science that explore data from a wide variety of sources. We use data to discover and share new knowledge, as well as enhance current knowledge.



COLLEGE OF ARCHITECTURE, PLANNING AND PUBLIC AFFAIRS

NAN ELLIN, DEAN

Mahyar Arefi, PROFESSOR AND FOUNDING CHAIR
PLANNING AND LANDSCAPE ARCHITECTURE



- Ph.D. in Planning, University of Southern California
- Research: urban resilience, urban management with an emphasis in placemaking, community development, and design for resilient cities, including Dubai.
- Awards include Goody Clancy's 2005 Summer Faculty Fellowship in Boston and a Fulbright in Turkey, where he explored the concept of placemaking in different contexts. He was named a member of the joint U.S. Department of State, UK Department of Business, Global Innovation Initiative (GII): The Urbanization Track, 2013 to 2015.
- The United Nations Human Settlements Programme (UN-HABITAT) published Dr. Arefi's book, *An Asset-based Approach to Community Development*, in 2008.

COLLEGE OF EDUCATION

TERESA TABER DOUGHTY, DEAN

Teresa Taber Doughty, DEAN



- Ph.D. in Special Education, Georgia State University
- Research: instructional strategies to increase community engagement with the disabled, autism, and other developmental disabilities; use of video modeling, technology and tele-care services for the disabled.
- Awards include nearly \$2.5 million in external funding, including \$1.7 million from the U.S. Department of Education, and induction into Purdue's Book of Great Teachers in 2013.
- She sits on the Council for the Accreditation of Educator Preparation Board of Visitors and was on the NCATE Board of Examiners from 2011-2015.

Mary Curtis, ASSISTANT PROFESSOR
CURRICULUM AND INSTRUCTION



- Ph.D. in Geography, Texas State University
- Research: geography education for K-12 teachers with an emphasis on the integration of geospatial technologies such as GIS.
- Awards include a Fulbright-Hays Teacher Grant to engage in research in Ecuador on sustainable systems and a K-12 Distinguished Teaching Award from the National Council for Geography Education.

Kevin Dartt, VISITING ASSISTANT PROFESSOR
CURRICULUM AND INSTRUCTION



- Ed.D. in Early Childhood Education, University of North Texas
- Research: published work on the impact of music education on infants and preschool children. Her teaching focuses on assisting pre-service teachers in understanding the role of the arts in children's cognitive, socio-emotional, and psychomotor development.
- Dr. Dartt began her career as an educator 42 years ago as a high school teacher. She moved to higher education 13 years ago, embracing online courses and the preparation of future teachers.

Theresa Beth Ray, VISITING ASSISTANT PROFESSOR
EDUCATIONAL LEADERSHIP AND POLICY STUDIES



- Ed.D. in Educational Leadership, Dallas Baptist University
- Research: interests include coaching as professional development of K-12 teachers, teacher evaluation and support systems, and the role of coaching in curriculum development.
- Awards include the Educator of the Year by the Down Syndrome Guild and a Commendation in 2015 by the Melissa Independent School District where she served as a teacher, instructional designer, and assistant principal.
- An expert in qualitative research, she also serves as a trainer for nVivo analysis software.

Dora Salazar, VISITING ASSISTANT PROFESSOR
CURRICULUM AND INSTRUCTION



- Ed.D. in Curriculum and Instruction, Texas Tech University
- Research: competency-based educator and school intervention, English language acquisition, and training STEM bilingual K-12 teachers. Her research is supported by a \$3.4 million U.S. Department of Education grant (i3) and a \$1.5 million USDOE grant on Project TEACH.
- Awards include the President's Award (twice) from Texas Tech and Tarrant County Community College for the development of 2+2 articulation agreements.





COLLEGE OF ENGINEERING

PETER CROUCH, DEAN

Peter Crouch, DEAN



- Ph.D. in Applied Science, Harvard University
- An accomplished administrator, Dr. Crouch successfully obtained the support of Lockheed Martin, Boeing, Northrop Grumman Corp., Motorola, and other major corporations to advance excellence in engineering education at both Arizona State and the University of Hawai'i at Mānoa.
- At ASU, he worked closely with the university's leadership to secure \$50 million for the Ira A. Fulton Schools of Engineering and helped lead the school into the top 50 in the *U.S. News & World Report* rankings.

Raad Azzawi, SENIOR LECTURER

CIVIL ENGINEERING



- Ph.D. in Structural Engineering, Baghdad University
- A registered professional engineer with more than 20 years of industry experience with a specialty in structural design and analysis.
- A committed teacher, he engages undergraduate and graduate students in structural timber design, reinforced concrete design, construction and value engineering, and the use of computer tools such as MATHCAD.

Jaime Cantu, ASSISTANT PROFESSOR

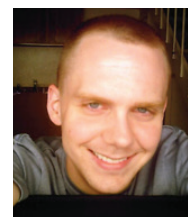
INDUSTRIAL, MANUFACTURING, AND SYSTEMS ENGINEERING



- Ph.D. in Systems Engineering, Texas Tech University
- Research: comprehensive systems modeling, which he has applied to health care organizations and cotton futures. His published work includes modeling blast fragments from the dispersion of hazardous materials and economic analysis models for high-reliability operations.
- He completed a postdoctoral position at B&W Pantex and Texas Tech as project manager for a \$28 million U.S. Department of Education grant focused on wind farms for renewable energy.

Chance Eary, SENIOR LECTURER

COMPUTER SCIENCE AND ENGINEERING



- Ph.D. in Computer Science, University of Texas at Arlington
- Research: mobile systems, distributive systems, and information security. He used a five-year U.S. Department of Education GAANN Fellowship to present his work on pervasive computing and wireless networks at IEEE International conferences.

Suyun Ham, ASSISTANT PROFESSOR

CIVIL ENGINEERING



- Ph.D. in Civil Engineering, University of Illinois at Urbana-Champaign
- Research: published work on evaluation methods for concrete using non-destructive approaches, smart infrastructure, structural health monitoring, wave propagation, image processing, and signal processing.
- Awards include the American Society Nondestructive Testing (ASNT) Research Proposal Fellowship Award (2012) and the Qualitative Nondestructive Testing Evaluation Research Competition.

Justyn Jaworski, ASSISTANT PROFESSOR

BIOENGINEERING



- Ph.D. in Bioengineering, University of California at Berkeley and University of California at San Francisco
- Research: soft matter systems, including polymers, gels, and biological liquid crystalline materials.
- Awarded approximately \$380,000 in research funds from the South Korean government to apply his research on supramolecular materials to chemical sensing and medical imaging probes, with a focus on aggressive forms of breast cancer.

Song Jiang, ASSOCIATE PROFESSOR

COMPUTER SCIENCE AND ENGINEERING



- Ph.D. in Computer Science, College of William & Mary
- Research: system infrastructure for big data; in particular, data management systems, file and storage systems, and I/O performance in high-performance computing.
- Awards include three NSF grants totaling \$1.25 million at Wayne State University as sole principal investigator. The grants are focused on data intensive computing and improving the efficiency of storage devices.

Sharareh Kermanshachi, ASSISTANT PROFESSOR

CIVIL ENGINEERING



- Ph.D. in Civil Engineering, Construction Engineering, and Management; Texas A&M University
- Research: project performance, including the development of a tool to assess project complexity and management, effective strategies for improving on-time delivery of highway projects, and cost estimating tools for urban and rural transit facilities.
- A professional licensed engineer in Texas, Dr. Kermanshachi is also LEED certified and earned industry experience as a project manager in Tehran.

Leila Ladani, PROFESSOR

MECHANICAL AND AEROSPACE ENGINEERING



- Ph.D. in Solid Mechanics, University of Maryland
- Research: specialization in the manufacture of nanomaterials and micro- and nanoelectronics. She holds two patents and has conducted research for the Office of Naval Research and the Air Force Research Institute.
- Her work has drawn funding support from the National Science Foundation, including a four-year, \$330,000 grant ending in 2017, NASA, and private industry.



Ramtin Madani, ASSISTANT PROFESSOR

ELECTRICAL ENGINEERING



- Ph.D. in Electrical and Electronics Engineering, Columbia University
- Research: the development of algorithms for optimization, control, and design of real world complex problems, such as electronic power grids. He has presented his work before the U.S. Federal Energy Regulatory Commission.
- He most recently completed a postdoctoral position at UC Berkeley's Industrial Engineering and Operations Research Laboratory.

Jiang Ming, ASSISTANT PROFESSOR

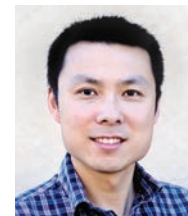
COMPUTER SCIENCE AND ENGINEERING



- Ph.D. in Information Science and Technology, Penn State University
- Research: mainly in software security and malware defense, including program analysis and verification for security issues, binary diffing, secure information flow analysis, and malicious binary code analysis.
- Affiliated with the Software Systems Security Lab at Penn State.

Jia Rao, ASSISTANT PROFESSOR

COMPUTER SCIENCE AND ENGINEERING



- Ph.D. in Computer Engineering, Wayne State University
- Research: operating systems, distributed systems, and parallel computing. The goal of his research is to build computer systems that are adaptive to changing workloads, cloud computing and virtualization, and performance modeling.
- Awards include three NSF grant totaling \$610,000 as single primary investigator. The funded work includes examining predictable services in multi-tenant clouds.

Mohsen Shahandashti, ASSISTANT PROFESSOR

CIVIL ENGINEERING



- Ph.D. in Building Construction, Georgia Institute of Technology
- Research: As founding Director of the Data Integration and Construction Engineering Center at UTA, Dr. Shahandashti's interests include big data integration to provide construction operations that are efficient, cost-effective, resilient, and environmentally sustainable.
- Awards include a three-year \$882,000 grant from the city of Arlington to assess pipeline systems and a two-year grant from TxDOT for \$1.175 million to examine the integration of underground freight into existing intermodal systems. He received the Outstanding Reviewer Award in 2015 from the *Journal of Automation in Construction*.



Yan Wan, ASSOCIATE PROFESSOR
ELECTRICAL ENGINEERING



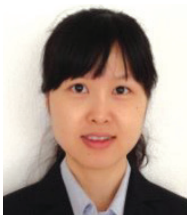
- Ph.D. in Electrical Engineering, Washington State University
- Research: developing fundamental theories and tools for modeling, evaluation, and control tasks in large-scale dynamical networks and cyber-physical systems with applications to air traffic flow management, sensors networking, and systems biology.
- Awards include the NSF Early CAREER Development Award, six grants as principal investigator and three as co-PI, including an NSF award through 2018, an NSF EAGER as PI on aerial communications infrastructure for \$199,000, and an NIST Award in complex information systems for \$149,995.
- Her publications include more than 100 journal and conference papers.

Yu Zhang, ASSOCIATE PROFESSOR
CIVIL ENGINEERING



- Ph.D. in Civil and Environmental Engineering, Princeton University
- Research: climate change and hazard resilience of water infrastructure, modeling of hydrological and climatological extremes, geostatistics, GIS, and numeric methods.
- Since 2015, his NOAA awards total more than \$1.24 million. Previously, he won more than \$400,000 in awards from NASA to analyze precipitation using various methods, including satellites.
- Most recently he worked as a lead physical scientist for NOAA National Water Center, leading research on hydrologic predictions.

Yuan Zhou, ASSISTANT PROFESSOR
INDUSTRIAL, MANUFACTURING, AND SYSTEM ENGINEERING



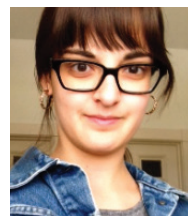
- Ph.D. in Industrial Engineering, State University of New York at Buffalo
- Research: health care engineering, including studying the transmission of infectious diseases using an Agent-Based Simulation Modeling approach, and health data analytics, focusing on quality improvements and patient care.
- She engages with industry and nonprofits on research projects with practical applications, including Catholic Home Health; develops health informatics to help home care providers use data to improve care; and develops performance indices for Greenbelt Industries in Buffalo, New York, to improve forecasting and schedule management.



COLLEGE OF LIBERAL ARTS

ELISABETH CAWTHON, INTERIM DEAN

Amy Bernhard, SENIOR LECTURER
ENGLISH



- M.F.A. in English/Non-Fiction Writing, University of Iowa
- More than a dozen of her essays have appeared in publications such as *VICE Magazine*, *Revider*, *upstreet*, and *The Toast*.
- Awards include being named a fellow for the Kimmel Harding Nelson Center for the Arts, a fellow of the Virginia Center for the Creative Arts, and receiving a nomination for the *Pushcart Prizes XXXVII: Best of the Small Presses*.

Matthew Clark, ASSISTANT PROFESSOR IN PRACTICE
ART AND ART HISTORY



- M.F.A. in Painting, Cranbrook Academy of Art
- His master's thesis exhibition was purchased by Daimler Chrysler and he continues to gain international recognition for his abstract paintings.
- Recent commissions include UT Southwestern and Fidelity Investments.

Rashaan DeShay, ASSISTANT PROFESSOR
CRIMINOLOGY AND CRIMINAL JUSTICE



- Ph.D. in Criminology, University of Texas at Dallas and J.D. from Louisiana State University (licensed attorney)
- Research: prisoner well-being, exoneration, intermittency in criminal careers, and transitional job programs. She is also an experienced qualitative researcher. Her most recent publications focus on pre- and perinatal risk factors and race, and the trauma and coping strategies of the wrongly convicted.

Daniel Garcia, ASSISTANT PROFESSOR
ART AND ART HISTORY



- M.F.A. in Filmmaking, Ohio State University
- Research: digital storytelling, community memory, and socially relevant filmmaking. His topics include the struggle of the gay community and other minority inmates in Peruvian prisons, children, those abducted by the Lord's Resistance Army in Uganda, and women in fishing villages of the Pacific coast of South America.
- Awards include Best Short Film Award HBO NY International Festival; Special Jury Award for Individual Performance, Las American International Film Festival; Best of the Fest, Boston International Latino Film Festival; and four Telly Awards, including best cinematography, editing, and use of HD.

Julienne Greer, ASSISTANT PROFESSOR

THEATRE ARTS



- Ph.D. in Humanities, University of Texas at Dallas
- Research: A multidisciplinary scholar/artist, Dr. Greer's work focuses on the relationship between humans and emotional robots. She is developing a data-capturing test that would determine the response of humans to robots in a variety of circumstances.
- Awards include a COLA research grant to purchase "Pepper," a Japanese-made emotional robot that is being used in Greer's Theatre Art classes to allow students to interface with the robot and teach the robot about human emotions.

Bai Linh Hoang, ASSISTANT PROFESSOR

POLITICAL SCIENCE



- Ph.D. in Political Science, University of Wisconsin at Madison
- Research: American politics, urban politics, political representation, and race in local contexts. She also earned a master's degree from the London School of Economics.
- Awards include an American Association of University Women Dissertation Fellowship and a Gerald Ford Fellowship from the University of Michigan.

Sok Ju Kim, ASSISTANT PROFESSOR IN

PRACTICE MODERN LANGUAGES



- Ph.D. in Linguistics, University of Kansas
- Research: second language acquisition, comparative syntax, morpho syntax, and Korean language and pedagogy.
- A committed teacher and mentor for international students, Dr. Kim serves as the faculty adviser for the Korean Culture Association at UTA.

Ashley Lemke, ASSISTANT PROFESSOR

SOCIOLOGY AND ANTHROPOLOGY



- Ph.D. in Sociology, University of Michigan
- Research: the anthropology of hunting and archaeology of hunter-gatherers, specifically prehistoric subsistence and foraging strategies. She has a book in press with University Press of Colorado on this topic. She also investigates both terrestrial and underwater archaeological sites from the Lower Paleolithic to 19th century shipwrecks in North America and Europe.
- Awards include an NSF Senior Research award for \$189,000. She is co-principal investigator for two current projects, one exploring Paleoindian sites in Lake Huron, Michigan, and a second at Gault Site in Texas.

Cedrick May, ASSOCIATE PROFESSOR

ENGLISH



- Ph.D. in English, Penn State University
- Research: the creation of a process for digitizing early African-American authors who wrote between 1760-1830. He also conducts research on 18th- and 19th-century African-American fiction, poetry, and prose; evangelical literature and theology; Black autobiography; civil rights and Black Power literature, computational textual analysis, and digital humanities research methods.

Katherine Noone, LECTURER

THEATRE ARTS



- D.M.A. in Vocal Performance, North Dakota State University
- A diverse and active singer and actor as well as an educator, Dr. Noone has appeared with Act Up Theatre, Opera Omaha, Highland Summer Theatre, Fargo Moorhead Opera, University of Nebraska's Summer Repertory Theatre, and University of Nebraska Opera Theatre. In addition to her television and radio experience, and has extensive experience as a musical and stage director.
- Recognition includes a 5-star review for her performance at the Fringe Festival in Edinburgh, Scotland.

Keith Lamont Owens, LECTURER

CRIMINOLOGY AND CRIMINAL JUSTICE



- M.A. in Criminology and Criminal Justice, University of Texas at Arlington
- Recently retired after 31 years of service with the Department of Homeland Security as a special agent. Owens served on the North Texas Human Trafficking Task Force, was assigned to the Los Angeles Critical Infrastructure Protection Group, and worked on worksite enforcement with Immigration and Customs Enforcement.
- Recipient of the 2014 Heroes Award by the National Missing and Exploited Children, the ICE Performance Award for seven years, and a Distinguished Performance Award from the U.S. Attorney's office.



Scott Palmer, PROFESSOR AND CHAIR

HISTORY



- Ph.D. in Russian History, University of Illinois at Urbana-Champaign
- Research: the nexus of linking technological innovation, political authority, and the arts in Russia's Imperial and Soviet eras. His book by Cambridge Press, *Dictatorship of the Air: Aviation Culture and the Fate of Modern Russian*, was reprinted in 2007. His most recent project is *From the Icon to the iMac: A History of Russia, Technology, and Culture*.
- Awards include a National Endowment for the Humanities fellowship, a John Kluge Fellowship by the Library of Congress, and a Guggenheim Fellowship by the National Air and Space Museum.

Michael F. Ten Eyck, ASSISTANT PROFESSOR

CRIMINOLOGY AND CRIMINAL JUSTICE



- Ph.D. in Criminal Justice, University of Cincinnati
- Research: life-course and bio-social criminology and drug careers using statistical analysis as well as analysis of behavior and molecular genetics. His publications include research on racial discrimination and youth development, as well as understanding police abuse of power.
- Awards include fellowship grants to explore evidence in criminology and criminal justice and an exploration of temperamental and personality correlates of the police personality.

Charles Bartlett Travis, ASSISTANT PROFESSOR

GEOGRAPHY



- Ph.D. in Geography, University of Dublin
- Research: GIS visualization, digital and environmental humanities, climate change, big data analytics, and data mapping. He most recently completed a postdoctoral research project funded by the Andrew Mellon Foundation on environmental humanities, *European Observatory of the New Human Condition*.
- Awards include a 2016 STEAM award from the Irish Research Council Interdisciplinary Research, an Irish Research Council New Foundations Award, and an Amazon Web Educational Cloud Computing Grant.

Arthur Vasquez, SENIOR LECTURER

CRIMINOLOGY AND CRIMINAL JUSTICE



- M.P.A., University of Texas at Arlington; M.Ed. in Counseling, University of North Texas
- Research: Fifteen years' experience working with low-income communities, school districts, and non-profits, mostly with at-risk youth. Interests include gang graffiti/tagging, gangs, juvenile delinquency, and the use of cognitive counseling.

COLLEGE OF NURSING AND HEALTH INNOVATION

ANNE BAVIER, DEAN

An-Lin Cheng, ASSOCIATE PROFESSOR

NURSING



- Ph.D. in Statistics, University of Georgia
- Research: biostatistics including dental care data, HIV health care data, bioinformatics, and response-adaptive designs. Her expertise also includes generalized linear mixed models, hierarchical linear mixed modeling, multiple imputation technique, robust inference, minimum distance methods, and structural equation modeling.
- Awards include serving as a statistician for grants from the NIH, the Department of Health and Human Services, the National Institute of Nursing, and the National Institute of Aging.

Donna Davis-Hall, CLINICAL ASSISTANT PROFESSOR

NURSING



- M.S.N., University of Texas at El Paso
- Research: noise reduction in neonatal intensive care units and its impact on improving outcomes for premature infants, and healing environments for premature babies.
- Awarded a fellowship by the Harris College of Nursing & Allied Health Sciences at TCU and the Scottie Buehler Excellence in Nursing Award, Outstanding Preceptor of the Year by Texas Health Presbyterian at Dallas.

Ahmad Hamdan, CLINICAL ASSISTANT PROFESSOR

NURSING



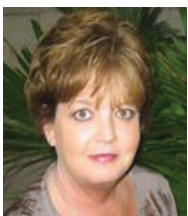
- Ph.D. in Nursing, University of Texas at Arlington
- Research: critical care nursing, pressure ulcers in acute and chronic health care facilities, social support for critical care, as well as the nutritional condition of patients admitted to critical care units.





Melynda Hutchings, CLINICAL ASSISTANT PROFESSOR

NURSING



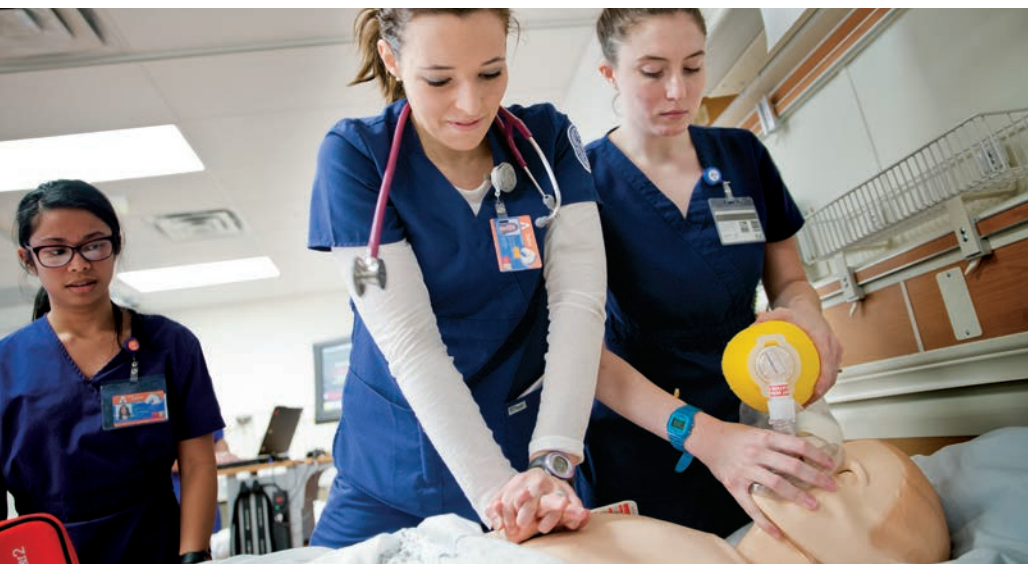
- M.S.N., University of Texas at Arlington
- Research: trauma care, pediatric emergency care, and advanced life support.
- In addition to nearly 30 years of nursing experience, Hutchings is also an experienced health care administrator having served as Director of Education at Paris, Texas, Regional Medical Center and Trauma Coordinator at Titus Medical Center.

Courtney Johnson, CLINICAL ASSISTANT PROFESSOR

NURSING



- M.S.N., Alcorn State University
- Research: advanced practice nursing, which aims to engage patients and health care professionals in preventative care.
- She was inducted into Sigma Theta Tau International, the nursing honor society.



Felicia Ogidan, CLINICAL ASSISTANT PROFESSOR

NURSING



- M.S.N., Walden University
- Research: nursing simulators, the use of mechanical ventilators on patients, and the safe handling of patients in intensive care units.

Zui Pan, ASSOCIATE PROFESSOR

NURSING



- Ph.D. in Molecular Biology, Chinese Academy of Sciences
- Research: prognostic biomarkers using esophageal cancer cells, the development of nanoparticles for delivering targeted peptides and other chemotherapy drugs, and the development and evaluation of near-infrared fluorescent peptides for early detection and prognosis imaging of esophageal cancer.
- Awards include serving as co-PI for a \$686,000 NIH grant, co-PI for a five-year NCI grant providing \$218,000 per year, as well as a pharmaceutical industry award providing seed money for evaluation of channel inhibitors. She completed several collaborative cancer research awards with researchers at the University of China, Université de Picardie Jules Verne in France, and the University of Medicine and Dentistry of New Jersey.

Rhonda Prisby, ASSOCIATE PROFESSOR

KINESIOLOGY



- Ph.D. in Exercise Physiology, Louisiana State University
- Research: investigating the role of matrix metalloproteinase-9 in the spatial distribution of bone marrow blood vessels in mice, examination of bone microvascular ossification/mineralization with advancing age, and the effect of parathyroid hormone administration on bone microvascular function and cellular activity.
- Awards include a four-year National Institutes of General Medical Sciences grant for \$159,742 to examine marrow blood vessels, an NIH grant for \$381,000 to examine bone marrow vessel location and blood flow, and a contract with Cobb-Vantress to examine femoral head degeneration in fowls.

Elisa Stehling, CLINICAL ASSISTANT PROFESSOR

NURSING



- M.S.N., University of Texas at Arlington
- Research: maternity nursing, including childbirth preparation, types of deliveries, medication, and breastfeeding.
- Experienced with neonatal intensive care units, Stehling has more than 20 years of service as a nursing practitioner and educator and was awarded the Daisy Award from TCU's nursing faculty in 2015.



COLLEGE OF SCIENCE

MORTEZA KHALEDI, DEAN

Joy Jackson, ASSISTANT PROFESSOR IN PRACTICE

BIOLOGY



- Ph.D. in Microbiology, Iowa State University
- Research: the production and evaluation of carbohydrate enzymes and synthesis of substituted alkoxybenzenes.
- A committed educator and former director of a math/science pre-college center, Dr. Jackson has an extensive repertoire of STEM pedagogical activities and professional development for undergraduate and graduate students.

Jason Kubinak, ASSISTANT PROFESSOR

BIOLOGY



- Ph.D. in Biology, University of Utah
- Research: mucosal immunology, gastrointestinal health including microbiota and the role of major histocompatibility complex gene polymorphisms in biasing IgA-mediated selection on the microbiota, which in turn biases microbiota-dependent colonization resistance against enteric Salmonella infection.
- Awards include an NSF GK-12 Teaching Fellowship and an NSF Doctoral Dissertation Grant. He recently completed postdoctoral training on an NIH-funded project on microbial pathogenesis at the University of Utah School of Medicine.



Kelsey Medeiros, ASSISTANT PROFESSOR

PSYCHOLOGY



- Ph.D. in Industrial and Organizational Psychology, University of Oklahoma
- Research: ethics education in biomedical sciences, the efficacy of training interventions, faculty members' perspectives on ethical decision-making, and ethical guidelines and codes of conduct.
- Dr. Medeiros is completing an NIH-funded project as research scientist and project manager at the University of Oklahoma on research compliance and business ethics training effectiveness.

Kwangho Nam, ASSISTANT PROFESSOR

CHEMISTRY AND BIOCHEMISTRY



- Ph.D. in Physical Chemistry, University of Minnesota at Twin Cities
- Research: chemical thermodynamics, structural biology, biophysics, and theoretical chemistry.
- He worked and published several manuscripts while at Harvard University from 2006-2011 under Dr. Martin Karplus, who won the Nobel Prize in Chemistry in 2013. He was awarded a postdoctoral fellow award from the Kempe Foundation and a project research grant from the Swedish Research Council from 2016-2019.

Suvra Pal, ASSISTANT PROFESSOR

MATHEMATICS



- Ph.D. in Statistics, McMaster University, Canada
- Research: survival analysis, cure rate modeling, statistical inference, statistical computing, and model discrimination. He applies this analysis to cancer and other diseases, arguing that estimation of a treatment-specific cure rate provides valuable information that is not only of use to the investigator but also to the patient at the time of diagnosis. The cure rate is also an important and useful measure in seeing trends in the survival of patients suffering from cancer.
- Awards include a research grant from the Faculty of Science at the University of Witwatersrand in Johannesburg, South Africa, for excellence in research in 2015.

Mark Pellegrino, ASSISTANT PROFESSOR

BIOLOGY



- Ph.D. in Veterinary Science, University of Melbourne, Australia
- Research: He is a recognized leader in the field of cell biology, with his groundbreaking discovery that mitochondria are a key activator of innate immunity. His research has been published in *Nature*, and he most recently completed postdoctoral work at Memorial Sloan Kettering Cancer Center in New York.

Nick Pollock, LECTURER

BIOLOGY



- Ph.D. in Ecology and Evolution, Rutgers University
- Research: reptile physiological ecology, herpetology and parasitology, K-99 education and outreach focused on biodiversity discovery and science education.
- Honors include a Teaching and Graduate Assistant Professional Development Award from Rutgers University in 2015 and 2016; Award for Excellence in Graduate Teaching from Rutgers University in 2014.

Kathryn Rhoads, LECTURER

MATHEMATICS



- Ph.D. in Education with a concentration in Mathematics Education, Rutgers University
- Research: facilitating high quality math instruction at the secondary level. Her focus is on teacher knowledge and beliefs that underlie instructional responses to students' mathematical questions, as well as conceptual and theoretical issues in proportional reasoning.
- Recognitions include the P.E.O. International Scholar Award, which is awarded to approximately 85 North American female doctoral students.

Amber Schroeder, ASSISTANT PROFESSOR

PSYCHOLOGY



- Ph.D. in Industrial and Organizational Psychology, Clemson University
- Research: use of social media in employment settings, the examination of negative employee and organizational behavior (e.g., workplace deviance, cyberbullying, and discrimination), and the assessment of employee personality and culture and their impact on work outcomes.
- She has served as PI or co-PI on nine research grants, including a \$287,500 NSF grant that allows her to direct a highly selective summer undergraduate research program.

Hyeong-Moo Shin, ASSISTANT PROFESSOR

EARTH AND ENVIRONMENTAL SCIENCE



- Ph.D. in Environmental Health Science, University of California at Irvine
- Research: assessing human exposure to environmental chemicals for use in risk assessment and epidemiologic studies. An interdisciplinary scholar, Dr. Shin uses both modeling and statistical interpretation to look at the environmental health problems from a broader perspective.
- Awards include a \$275,000 NIH/NIEHS grant through 2017 to examine prenatal exposure to phthalates in high-risk pregnancies, a \$900,000 EPA grant aimed at tracking semi-volatile organic compounds outdoors, and a recently completed NIH/NIEHS grant to explore biomarkers and spatial exposure data.

Melissa Walsh, LECTURER

BIOLOGY



- M.S. in Marine Environmental Science, Stony Brook University
- Research: marine biology, including watershed connectivity in the spatial distribution of aquatic invasive species. She received a Center for the Integration of Research, Teaching, and Learning grant in 2015.

Sen Xu, ASSISTANT PROFESSOR

BIOLOGY



- Ph.D. in Environmental Science, University of Windsor, Canada
- Research: molecular biology, genetics, and evolutionary biology. His focus is on the evolution of sex and recombination in eukaryotes and uses an innovative population genomic approach along with several important genomic tools such as a high-resolution genetic map and draft genome assembly.
- Awards include a grant for the NSF-funded Extreme Science and Engineering Discovery Environment, a powerful single virtual system that scientists can use to interactively share computing resources, data, and expertise.





Jonghyun Yun, ASSISTANT PROFESSOR

MATHEMATICS



- Ph.D. in Statistics, University of Illinois at Urbana-Champaign
- Research: integrative modeling approaches for next-generation sequencing data. His extensive collaboration with scientists in cutting-edge areas of bioinformatics, biology, and computer science produced a novel bioinformatics tool as well as revealed new findings in RNA regulatory mechanisms. He completed a postdoctoral position at University of Texas Southwestern Medical Center on biostatistics in 2015.

Kai Zhu, ASSISTANT PROFESSOR

BIOLOGY



- Ph.D. in Ecology, Duke University
- Research: the interface between ecology and statistics to address global change challenges. His research agenda addresses large-scale responses to climate change in forests, long-term global change impacts on grasslands, and demographic research in the age of big data.
- Awards include co-investigator for a seed grant from Stanford's Center for Innovation in Global Health, a Rice University Julian Huxley Faculty Fellowship, and a Barbara McClintock Fellowship from the Carnegie Institution for Science. He also received the NSF Doctoral Dissertation Improvement Award in 2013-14.



The University of Texas at Arlington community is committed to the advancement of knowledge and the pursuit of excellence. Realization of this commitment requires awareness and active participation by every member of the community. We achieve the goals of the University when we instill, nurture, and practice the six Principles of Community, listed above.

OUR GUIDING ASPIRATIONS

- Transform the student experience by enhancing access and ensuring success
- Engage in high-impact research and scholarship
- Build on faculty excellence to strengthen academic programs
- Strengthen collaboration with corporate and nonprofit sectors
- Enhance visibility and impact through global engagement
- Lead in creativity, innovation, and entrepreneurship





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