Meet Our 24 New Tenure-Track Faculty in 2023-24

Department of Civil, Environmental and Construction Engineering

Weiwei Zhan, Ph.D.
Assistant Professor
Ph.D. from Clemson University
Research: landslide assessment/mitigation; soil liquefaction; data-centric geotechnics; geospatial modeling; machine learning; resilient infrastructure design

Jing Hu, Ph.D.
Assistant Professor
Ph.D. from University of Florida
Research: biogeochemistry in managed soil and water systems; ecological engineering; greenhouse gas mitigation; water quality protection

Department of Computer Science

Amrit Singh Bedi, Ph.D.
Assistant Professor
Artificial Intelligence Initiative
Ph.D. from Indian Institute of Technology Kanpur
Research: intersection of stochastic optimization, reinforcement learning and robotics

Ser Nam Lin, Ph.D.
Associate Professor
Artificial Intelligence Initiative
Ph.D. from University of Maryland
Research: AI for content recommendations; search engines that intersect large language models; computer vision

Kevin Moran, Ph.D.
Assistant Professor
Cyber Security and Privacy Cluster
Ph.D. from William & Mary
Research: software engineering; security maintenance and evolution for mobile platforms

Department of Materials Science and Engineering

Paria Gharavi, Ph.D.
Assistant Professor
Ph.D. from University of New South Wales
Research: electron microscopy techniques; multifunctional materials

Leland Nordin, Ph.D.
Assistant Professor
Joint appointment in CREOL: The College of Optics and Photonics
Ph.D. from The University of Texas at Austin
Research: design, growth, fabrication and characterization of semiconductor materials and devices; nanostructuring techniques to enhance light-matter interactions

Shruti Vyas, Ph.D.
Assistant Professor
Ph.D. from National University of Singapore
Research: computer vision; AI in experimental research; bioleaching and chemical leaching; material characterization; ultrasound applications

Liping Yu, Ph.D.
Associate Professor
Ph.D. from North Carolina State University
Research: semiconductor physics; first-principles design of new and improved materials for next-generation electronics; sustainable energy
Department of Mechanical and Aerospace Engineering

Yue Wen, Ph.D.
Assistant Professor
Disability, Aging and Technology Cluster
Ph.D. from The University of North Carolina at Chapel Hill
Research: robotics; neuromechanics; neural engineering; machine learning

Like Li, Ph.D.
Associate Professor
Renewable Energy and Chemical Transformation Cluster
Ph.D. from University of Florida
Research: computational fluid mechanics and dynamics; heat transfer; numerical modeling and analysis

Industrial and Management Systems

Niloofar Yousefi '17 Ph.D.
Assistant Professor
Ph.D. from University of Central Florida
Research: machine learning; data science; statistical learning theory; bioinformatics; drug discovery

Department of Electrical and Computer Engineering

Mike Borowczak, Ph.D.
Associate Professor
Ph.D. from University of Cincinnati
Research: design automation for hardware security and resistance; secure IoT systems; building a sustainable semiconductor workforce pipeline

Shahana Ibrahim, Ph.D.
Assistant Professor
Ph.D. from Oregon State University
Research: advanced methods for machine learning and AI tasks; signal processing and optimization

Hadi M. Kamali, Ph.D.
Assistant Professor
Ph.D. from George Mason University
Research: hardware security and trust; VLSI design and testability; IoT security; applied machine learning; cybersecurity

Department of Electrical and Computer Engineering

Piotr Kulik, Ph.D.
Assistant Professor
Ph.D. from Northeastern University
Research: nanofabrication of thin-film materials; multiphysics devices; microsystems for sensing and communication

Jaesung Lee, Ph.D.
Assistant Professor
Ph.D. from Case Western Reserve University
Research: nanoscale solid-state electronic devices; micro/nanoelectromechanical systems; quantum materials for solid-state qubits; quantum acoustics

M. Sazadur Rahman, Ph.D.
Assistant Professor
Cyber Security and Privacy Cluster
Ph.D. from University of Florida
Research: electronic design automation; machine learning; secure architecture; supply chain security

Department of Electrical and Computer Engineering

Mohsen Rakhshan, Ph.D.
Assistant Professor
Disability, Aging and Technology Cluster
Ph.D. from Dartmouth College
Research: brain-machine interfaces; neural prostheses; computation neuroscience; control theory; robotics

Yue Wang, Ph.D.
Assistant Professor
Ph.D. from State University of New York Buffalo
Research: reinforcement learning; machine learning; optimization and computer vision

Di Wu, Ph.D.
Assistant Professor
Ph.D. from University of Wisconsin, Madison
Research: design automation for hardware security and resistance; secure IoT systems; building a sustainable semiconductor workforce pipeline

Department of Electrical and Computer Engineering

Xin Xin, Ph.D.
Assistant Professor
Ph.D. from University of Pittsburgh
Research: computer architecture; memory hierarchy; domain-specific architecture; reliable hardware/software systems

Enxia Zhang, Ph.D.
Assistant Professor
Ph.D. from Chinese Academy of Sciences
Research: advanced microelectric devices; compound semiconductors; photonic devices; radiation response of emerging materials; devices for space applications