Meet Our New Research Faculty

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

M. Mahdi Assefzadeh
Assistant Professor
Ph.D. from Rice University
Research: Terahertz integrated circuits and systems with on-chip antennas for molecular sensing; hyper-spectral imaging; high-speed communication

Kenle Chen
Assistant Professor
Ph.D. from Purdue University
Research: Radio-frequency and millimeter-wave integrated circuits; reconfigurable high-frequency circuits; future-generation communication systems; interdisciplinary applications of radio technology

Chinwendu Enyioha
Assistant Professor
Ph.D. from University of Pennsylvania
Research: Design, analysis, distributed optimization and limited-communication control of large-scale networked systems

Zhishan Guo
Assistant Professor
Ph.D. from University of North Carolina at Chapel Hill
Research: Real-time systems; neural networks and machine learning, and their applications in cyber-physical systems

Fan Yao
Assistant Professor
Ph.D. from George Washington University
Research: Computer architecture; security; energy-efficient computing; automated vulnerability discovery; cloud computing

DEPARTMENT OF CIVIL, ENVIRONMENTAL AND CONSTRUCTION ENGINEERING

Shaurya Agarwal
Assistant Professor
Ph.D. from University of Nevada Las Vegas
Research: Cyber-physical systems; smart cities; Internet of Things; urban informatics; intelligent transportation systems; dynamics and control

Zhaomiao “Walter” Guo
Assistant Professor
Ph.D. from University of California Davis
Research: Resilient transportation systems; transportation and energy nexus; cyber-physical systems; multimodal transportation

Fudong Liu
Assistant Professor
Energy Conversion and Propulsion Cluster
Ph.D. from Chinese Academy of Sciences
Research: Environmental catalysis; emission control; energy conversion; nanomaterials synthesis and catalysis

Mohamed Zaki
Assistant Professor
Ph.D. from Concordia University, Montreal
Research: Sustainable mobility; traffic safety; connected vehicles and infrastructures; cyber-physical systems; smart cities; computer vision; formal verification
For more information about the COLLEGE OF ENGINEERING AND COMPUTER SCIENCE see cecs.ucf.edu

DEPARTMENT OF COMPUTER SCIENCE

Paul Gazzillo  
Assistant Professor  
Cyber Security and Privacy Cluster  
Ph.D. from New York University  
Research: Analysis of configurable systems; side-channel attacks; blockchain smart contracts

Abhijit Mahalanobis  
Assistant Professor  
Center for Research in Computer Vision  
Ph.D. from Carnegie Mellon University  
Research: Multi-sensor automatic target recognition; image and video analytics for object and activity recognition; computational imaging

Yan Solihin  
Charles N. Millican Chair Professor  
Director of Cyber Security and Privacy Cluster  
Ph.D. from University of Illinois–Urbana  
Research: Cybersecurity and privacy; computer architecture and systems

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

Hwan Choi  
Assistant Professor  
Prosthetic Interfaces Cluster  
Ph.D. from University of Washington  
Research: Human musculoskeletal modeling and analysis; neuromuscular system; assistive devices; rehabilitation engineering

Michael P. Kinzel  
Assistant Professor  
Ph.D. from The Pennsylvania State University  
Research: Computational fluid dynamics applied to aerodynamics; multiphase flows such as cavitation; bubbly/particle-laden flow; and complex fluid systems

Luigi E. Perotti  
Assistant Professor  
Ph.D. from California Institute of Technology  
Research: Cardiac mechanics and electrophysiology; heart failure; ventricular fibrillation; virus assembly and maturation; bio-inspired deployable shells; biomechanics

Ben D. Sawyer  
Assistant Professor  
Ph.D. from University of Central Florida  
Research: Human factors engineering; neuro-ergonomics; human-systems integration; design

DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS

Parag Banerjee  
Associate Professor  
Energy Conversion and Propulsion Cluster  
Ph.D. from University of Maryland  
Research: Atomic layer deposition and etching; surface engineering for catalysis; solar energy harvesting

UCF’s Faculty Cluster Initiative

UCF is hiring in select fields to advance the university’s areas of excellence and global impact. The initiative leverages UCF’s existing strengths and fosters the development of strong, interdisciplinary teams focused on solving today’s toughest scientific and societal challenges through teaching and research.

- Cyber Security and Privacy
- Disability, Aging and Technology
- Energy Conversion and Propulsion
- Genomics and Bioinformatics
- Learning Sciences
- Prosthetic Interfaces
- Renewable Energy Systems
- Sustainable Coastal Systems
- Violence Against Women

CELEBRATING FIFTY YEARS!