Meet our NEW 2020 FACULTY

DEPARTMENT OF CIVIL, ENVIRONMENTAL AND CONSTRUCTION ENGINEERING

Peng “Patrick” Sun
Assistant Professor
Ph.D. from Rice University
Research Focus: Sensing system development, sensing social dynamics by computer vision, structural health monitoring, non-destructive evaluation

Guoxing Chen
Assistant Professor
Cyber Security and Privacy Cluster
Ph.D. from The Ohio State University
Research Focus: System security; side-channel security; trusted execution environment; differential privacy.

Johnathan Mell
Assistant Professor
Learning Sciences Cluster
Ph.D. from University of Southern California
Research Focus: Artificial intelligence; human-computer interaction; negotiation; edutainment; socially-aware virtual agents; behavioral game theory; cognitive models; practical applications.

DEPARTMENT OF COMPUTER SCIENCE

Jiannan “Nick” Chen
Assistant Professor
Ph.D. from University of Wisconsin
Research Focus: Developing polymer-based material for waste containment and environmental remediation in the urban area.

Carolina Cruz-Neira, NAE
Agere Chair Professor in Computer Science
Ph.D. from University of Illinois at Chicago
Research Focus: The infrastructure, technology, software architectures and end-user applications for virtual and augmented reality.

Dirk Reiners
Associate Professor
Ph.D. from Technical University of Darmstadt, Germany
Research Focus: Display systems and techniques for real-time display of virtual environments and interactive visualization of large data.

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Yuxiao Yang
Assistant Professor
Disability, Aging and Technology Cluster
Ph.D. from University of Southern California
Research Focus: Neural engineering; brain-machine interface; machine learning; stochastic signal processing; control theory.

DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS

Ozlem Ozmen '01MS '08PhD
Assistant Professor
Ph.D. from University of Central Florida
Research Focus: Human-centered computing, artificial social intelligence, human-machine teams, machine learning applied to nanoscience, social media, evolutionary computation, complex systems.

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

Wen Shen
Assistant Professor
NanoScience Technology Center
Ph.D. from Auburn University
Research Focus: Implantable and biomimetic devices; wearable electronics for biosensing and drug delivery; embedded sensors for structural health monitoring; agricultural biosensors.

University Research Clusters

UCF’s Faculty Cluster 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. More than 50 faculty members work together to advance UCF’s unique areas of excellence and global impact.

- Bionix
- Cyber Security and Privacy
- Disability, Aging and Technology
- Genomics and Bioinformatics
- Learning Sciences
- Renewable Energy and Chemical Transformation
- Resilient, Intelligent and Sustainable Energy Systems (RISES)
- Sustainable Coastal Systems
- Violence Against Women

For more information, visit ucf.edu/faculty/faculty-research-clusters/

A UCF Record

$204.5 Million
UCF Research Funding FY 2020

$50.59 Million
College of Engineering & Computer Science Research Funding FY 2020