



Meet Our New Research Faculty 2017

DEPARTMENT OF MATERIALS SCIENCE & ENGINEERING



AKIHIRO KUSHIMA

Assistant Professor
MSE/AMPAC
Ph.D. from Kyoto University
Research: In-situ transmission electron microscopy; atomistic simulation; nano-characterization; nano-mechanics; energy-storage materials



KRISTOPHER O. DAVIS

Assistant Professor
Renewable Energy Systems Cluster
Ph.D. from University of Central Florida
Research: Photovoltaics; manufacturing; characterization; optical and electronic materials; interface and thin film analysis



KAITLYN E. CRAWFORD

Assistant Professor
Prosthetic Interfaces Cluster
Ph.D. from University of Maryland, College Park
Research: Soft matter; self-assembly; nanomaterials; wearable sensors; bionic materials



ELIZABETH J. BRISBOIS

Assistant Professor
Prosthetic Interfaces Cluster
Ph.D. from University of Michigan, Ann Arbor
Research: Biomaterials; polymers; therapeutic delivery; biomedical efficacy; medical device applications; translational research

DEPARTMENT OF CIVIL, ENVIRONMENTAL & CONSTRUCTION ENGINEERING



GEORGIOS APOSTOLAKIS

Assistant Professor
Ph.D. from SUNY at Buffalo
Research: Computational mechanics; thermodynamics; mixed variational principles for dynamic response; evolutionary structural optimization; offshore structures



LUIS G. ARBOLEDA-MONSALVE

Assistant Professor
Ph.D. from Northwestern University
Research: Full-scale performance and instrumentation of geotechnical structures; deep excavations; soil-structure interaction; geotechnical earthquake engineering; advanced soil testing; constitutive soil modeling



HAOFEI YU

Assistant Professor
Ph.D. from University of South Florida
Research: Air quality modeling; emissions estimation; air pollution exposure assessment and health impact analysis

DEPARTMENT OF COMPUTER SCIENCE



AZIZ MOHAISEN

Associate Professor
Cybersecurity and Privacy Cluster
Ph.D. from University of Minnesota
Research: Computer security and online privacy with applications to malware; denial of service; domain name system; Internet of Things; blockchain; and mobile systems



XINWEN FU

Associate Professor
Cybersecurity and Privacy Cluster
Ph.D. from Texas A&M University
Research: Network security and privacy; Internet of Things security and privacy; mobile security and privacy; digital forensics



WEI ZHANG

Assistant Professor
Genomics and Bioinformatics Cluster
Ph.D. from University of Minnesota Twin Cities
Research: Computational biology; machine learning; data mining

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING



AMRO AWAD

Assistant Professor
Ph.D. from NC State University
Research: Computer architecture; memory systems; hardware security; virtual memory; intersections between computer architecture and system software



QIFENG LI

Assistant Professor
Renewable Energy Systems Cluster
Ph.D. from Arizona State University
Research: Global/convex optimization; nonlinear control systems; power and energy systems; water-energy-food nexus



JUNJIAN QI

Assistant Professor
Renewable Energy Systems Cluster
Ph.D. from Tsinghua University
Research: Cascading blackout and grid resilience; power system stability and control; synchrophasor; power grid cybersecurity; distributed energy resources

DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING



DAZHONG WU

Assistant Professor
Ph.D. from Georgia Institute of Technology
Research: Data-driven prognostics and health management; Internet of Things-enabled smart manufacturing; additive manufacturing



QIUSHI FU

Assistant Professor
Prosthetic Interfaces Cluster
Ph.D. from Arizona State University
Research: Neural control of movement; biomechanics; neuroprostheses; rehabilitation; bio-inspired robotics

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
Energy Conversion and Propulsion
Genomics and Bioinformatics

Prosthetic Interfaces
Renewable Energy Systems
Sustainable Coastal Systems

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