FALL 2017 | NEW FACULTY MEMBERS

AEROSPACE ENGINEERING

Dr. Ahmad Bani Younes
(Starting Spring 2018)
Ph.D., Texas A&M University, College Station
Assistant Professor of Aerospace Engineering

Previous Position
Assistant Professor at Khalifa University, Abu Dhabi, UAE Aerospace Engineering Department

Areas of Specialization
Optimization, estimation and control applications in dynamical systems; guidance, navigation and aeronautics; space robotics and computational vision, trajectory propagation and uncertainty, and algorithms development.

CIVIL, CONSTRUCTION & ENVIRONMENTAL ENGINEERING

Dr. Matthew Verbyla
Ph.D., University of South Florida
Assistant Professor of Civil, Construction and Environmental Engineering

Previous Position
Post-Doctoral Scientist
École Polytechnique Fédérale de Lausanne, Switzerland

Areas of Specialization
Natural wastewater treatment, water reuse, pathogen fate and transport, and microbial risk assessment.

ELECTRICAL & COMPUTER ENGINEERING

Dr. Hakan Töreyin
Ph.D., Georgia Institute of Technology
Assistant Professor of Electrical & Computer Engineering

Previous Position
Visiting Researcher at Bilkent University, Ankara, Turkey

Areas of Specialization
Research interests in electronics and systems design for biomedical applications; including wearable biosignal sensing and implantable neuromodulation systems and energy-efficient real-time analog/neuromorphic computation electronics reinforcing preventive health care outside the clinic.

MECHANICAL ENGINEERING

Dr. Wenwu Xu
Ph.D., Beijing University of Technology, China
Assistant Professor of Mechanical Engineering

Previous Position
Visiting Scholar at University of California, Merced

Areas of Specialization
Computer-aided materials design and discovery with efforts focused on computational materials modeling and simulations at multiscale; and advanced characterization of materials at multiple length scales (micro-, nano-, atomic) providing comprehensive and quantitative structure-property relation of materials.