



SAN DIEGO STATE UNIVERSITY

College of Engineering

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 astronautics; space robotics and computational vision, trajectory propagation and uncertainty, and algorithms development.

ELECTRICAL & COMPUTER ENGINEERING



Dr. Hakan Töreyn
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.

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.

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.