



# SAN DIEGO STATE UNIVERSITY

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## 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.