



AEROSPACE ENGINEERING



Dr. Margherita Capriotti
Ph.D., University of California San Diego, San Diego, CA
Assistant Professor of Aerospace Engineering

Previous Position
Postdoctoral Research Fellow, Department of Radiology, Mayo Clinic, Rochester, MN

Areas of Specialization
Non-destructive evaluation of aerospace structures; Thermal and elastic wave propagation for structural assessment; Guided ultrasonic waves and infrared thermography for defect detection and characterization; Global-local modeling of elastic wave scattering; composite materials.

MECHANICAL ENGINEERING



Dr. Zahra Nili Ahmadabadi
Ph.D., Université du Québec (École de technologie supérieure), Québec, Canada
Assistant Professor of Mechanical Engineering

Previous Position
Assistant Professor, Department of Mechanical Engineering, Wichita State University, Wichita, KS

Areas of Specialization
Cooperative Robotics; Acoustic Perception; Robot Learning; Motion Planning; Nonlinear Dynamical Systems; Dynamic Systems & Control; Deep Learning & Sequence Modeling; Autonomy



Dr. Elisa Torresani
Ph.D., University of Trento, Trento, Italy
Assistant Professor of Mechanical Engineering

Previous Position
Postdoctoral Fellow, San Diego State University, San Diego, CA

Areas of Specialization
Powder Technology; Materials Science and Engineering; Metallurgy; Sintering; Field-Assisted Sintering; Sintering-Assisted Additive Manufacturing; Additive Manufacturing