Scott Munro

Department Chair, Professor of Engineering at Southern Utah University

Cedar City, UT, US

Specializing in aerocoustics flow sound interaction and induced vibrations, propagation, and aerospace technologies

Biography

For more than 25 years, Dr. Scott Munro has been developing new aerospace technologies. His work has included test-cell acoustics, advanced resonant liner research, cutting torch technology, and jet and airframe noise. Prior to joining Southern Utah University in 2015, Dr. Munro worked at the Naval Air Warfare Center Weapons Division at China Lake, California. His responsibilities included providing test support and program guidance to Navy programs relative to acoustic noise. He served as chief engineer for the Counter Air Future Naval Capability (CAFNC) program, developing an advanced rocket motor for the AMRAAM missile and was program manager for the In-House Independent Research (ILIR) program, NAWCWD's largest basic research program. During his last two years at NAWCD, Dr. Munro served as deputy director of the Irregular Warfare Technology Office, overseeing technology development and integration projects for a wide range of military applications. At SUU, Dr. Munro teaches engineering courses including statics, fluids, and vibrations. He is advisor to the Rocketbirds, a student group that participates in the annual Intercollegiate Rocket Engineering Competition. He received his bachelor's and master's degrees from Purdue University, both in aeronautical and astronautical engineering. From Georgia Institute of Technology, he received his Ph.D. in aerospace engineering.

Industry Expertise

Aerospace, Mechanical/Industrial Engineering

Areas of Expertise

Thermocouples, Hot-wire Anemometers, Compressible Flow, Viscous Flow, Vibration Measurements and Instrumentation, Measurement of Noise Emissions, Unmanned aerial vehicle (UAV) flight control system design and testing, Propagation, Aeroacoustics Flow-Sound Interaction and Flow-Induced Vibrations, Aeroacoustics, Defense, Aerodynamics, Aeronautical and Astronautical Engineering, Principles of Fluid Mechanics, Experimental Aerodynamics, Turbulence, High-Speed Aerodynamics, Programming experience in FORTRA, BASIC, and MATLAB

Affiliations

American Society of Engineering Education

Education

Georgia Institute of Technology
Ph.D. Aerospace Engineering

Purdue University
M.S. Aeronautics and Astronautics

Purdue University
B.S. Aeronautical & Astronautical Engineering

Accomplishments

Outstanding Faculty Award, Southern Utah University
Southern Utah University Engineering and Technology Department, 2016

University Influencer Award, Southern Utah University
Southern Utah University Engineering and Technology Department, 2016

Michelson Laboratory Award, Naval Air Systems Command
Naval Air Warfare Center Weapons Division, 2015
