

Shaowen Xu

**Associate Professor, Department of Mechanical Engineering at Georgia Southern University
Statesboro, GA, US**

Shaowen Xu is an expert in Friction Stir Welding Processing, Advanced Nanomaterials and Nanofracture and Nanofailure.

Biography

Dr. Xu has years of experience conducting research in the fields of Solid and Computational Mechanics, Mechanics of Material, Experiment and Numerical Simulation Integrated Method; as well as Material Manufacturing and Processing. His research projects cover a broad spectrum of scientific research and engineering applications, such as, Friction Stir Welding and Processing; Nano-material and bio- hierarchically structured material; transient dynamics; structural response analysis in extreme loading environment; material behavior characterization of advanced engineering material and bio-material; multi-disciplinary/multi-scale modeling and simulations of engineering structures and manufacturing processes.

Areas of Expertise

Stress Analysis, Material Behavior of Advanced Engineering Materials and Bio-materials, Friction Stir Welding Processing, Advanced Nanomaterials, Nanofracture and Nanofailure, Transient Dynamics of Extreme Loads

Education

**University of Souther Carolina
Ph.D.**

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