



Mechanical Engineering **Faculty & Research Areas**

T.S. Ravigururajan (PhD, PE) – Chairman - ts.ravi@wichita.edu – Thermal Management in Engineering Applications; Energy Systems; and Bio-thermal Fluids

Ikram Ahmed (PhD) - ikram.ahmed@wichita.edu – Modeling and Simulation of Fluid Flow and Heat Transfer; Renewable Energy; Sustainability

Davood Askari (PhD) - davood.askari@wichita.edu – Design, Synthesis, Characterization, & Applications of Nanomaterials (e.g., Carbon Nanotubes and NanoCoils, and Metallic Nanoneedles); Nanostructures; Thin Films; Nanodevices; High-Performance Multifunctional Composites & Nanocomposites; Composite Joints; and Mechanical Systems

Eylem Asmatulu (PhD) - e.asmatulu@wichita.edu – Additive Manufacturing; Resource Recovery; Waste Water Treatment; Green Energy; Sustainability; and Composite Materials

Ramazan Asmatulu (PhD) - ramazan.asmatulu@wichita.edu – Synthesis, Characterization & Applications of Nanomaterials, Biomaterials, & Composite Materials for Energy, Environment, Biomedical, & Aerospace Industries

Brian Driessen (PhD) - brian.driessen@wichita.edu – Controls and Dynamics

Shuang Gu (PhD) - shuang.gu@wichita.edu – Sustainable Fuels; Ammonia Electrosynthesis; Methane Upgrading; Ion- selective Polymers; Redox-flow Batteries; Fuel Cells; and Electrochemistry

Gisuk Hwang (PhD) - gisuk.hwang@wichita.edu – Heat and Mass Transfer for Sustainable Energy & Environment Systems

Yang-Seon Kim (PhD) - yang-seon.kim@wichita.edu – Building Indoor Air Quality & Energy Consumption; Thermal-fluid Transportation in buildings

Hamid Lankarani (PhD) - hamid.lankarani@wichita.edu – Mechanical Engineering Design; Impact Dynamics; Crashworthiness; Multibody Dynamics; Structures; Biomechanics; and Occupant Protection

Bin Li (Ph.D.) - bin.li@wichita.edu – Synthesis, Fabrication & Characterization of Polymers; Protein Materials and their Nanocomposites; Dielectric Materials; Polymer Gels; Applied Rheology

Tamás Molnár (PhD) - tamas.molnar@wichita.edu – Control System Design; Dynamic Systems; Autonomous Vehicle Control

Rajeev Nair (PhD) - rajeev.nair@wichita.edu – Laser-based Flexible Fabrication in Nano/Micro/Meso Scale; Laser Surface Texturing/Coatings; Design and Mechanical Analysis of Orthopedic Devices