

Chemical & Materials Engineering Graduate Program



Faculty and Research

R. Michael Banish; Ph.D., University of Utah
Associate Professor

Crystal growth, materials synthesis and characterization, transport property measurements

Yu Lei; Ph.D., University of Illinois, Chicago
Associate Professor

Atomic layer deposition, catalysis, energy storage, surface and interfaces

Kyung-Ho Roh; Ph.D., University of Michigan
Assistant Professor

Immunoengineering via biomaterials and cellular and molecular engineering

Judy Schneider, Ph.D., University of California, Davis
Adjunct Professor

Mechanical behavior and characterization, polymeric composites, friction stir welding, additive manufacturing

Anu Subramanian; Ph.D., Virginia Tech
Professor, Chair

Bioprocessing, large scale culture of stem cells, biomedical applications of low-intensity-ultrasound

Isaac Torres-Diaz; Ph.D., University of Puerto Rico at Mayagüez

Assistant Professor

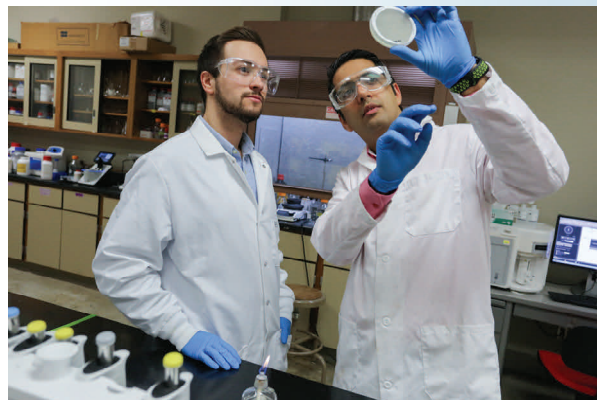
Synthesis, characterization, real-time imaging, and multi-scale modeling of colloidal suspensions composed of anisotropic particles

Jeffrey J. Weimer; Ph.D., MIT
Associate Professor

Fundamental chemistry and structure of materials surfaces as applied to adhesion phenomena, thin film coatings, biocompatibility and surface functionalization

Tingting Wu, Ph.D., University of Florida
Adjunct Associate Professor

Sustainable water/wastewater treatment, water reuse, stormwater/non-profit source pollution control



Degree Programs

- MSE in Chemical Engineering
- MS in Materials Science
- PhD in Materials Science
- PhD in Biotechnology
- PhD in Mechanical Engineering with ChE Concentration

Our graduate programs in Chemical Engineering take advantage of the frontier research and technology development at UAH and Cummings Research Park through graduate-level courses and project work. Whether you are looking for your Master or PhD degree, our curriculum provides students with skills and technical readiness for a variety of academia, industry, and governmental research careers.

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