

THE UNIVERSITY OF ALABAMA[®]



College of
Engineering

Chemical and Biological Engineering

A dedicated faculty with state of the art facilities, offering M.S. and Ph.D. degrees. The Department is housed in state-of-the-art buildings on UA's Engineering and Science Quad.

Research Areas:

- Biomaterials & Biological Nanomaterials
- Bioprocessing, Metabolic Engineering
- Cancer Mechanisms, Models & Theranostics
- Catalysis and Reactor Design
- CO₂ Separation & Gas Treating
- Colloids & Surfactants
- Drug Screening, Resistance & Delivery
- Electrochemical Systems & Energy Storage
- Electrodeposition & Spintronics
- Fuel Cells & Photovoltaics
- Functionalized/Nanostructured Membranes
- Interfacial & Surface Phenomena
- Ionic Liquid-based Materials & Systems
- Magnetic Materials & Nanotechnology
- Molecular Simulations & Modeling
- Polymeric Material Synthesis & Design
- Sensors (chemical and biological)
- Stretchable Electronics
- Water Treatment



An equal employment/equal educational opportunity institution



*Richard and Annette Shelby
Engineering & Science Quad*

Professors:

David Arnold (Purdue)
Yuping Bao (Washington)
Jason Bara (Colorado)
Christopher Brazel (Purdue)
Milad R. Esfahani (Tennessee Tech)
Arun Gupta (Stanford)
Qiang Huang (Louisiana State)
Ju-Won Jeon (Texas A&M)
Yonghyun John Kim (UMBC)
Amanda Koh (Rensselaer Polytechnic)
Tonya Klein (North Carolina State)
Jair Lizarazo-Adarme (adjunct, Alabama)
Qing Peng (North Carolina State)
Shreyas Rao (Ohio State)
Stephen Ritchie (Kentucky)
Shane Street (adjunct, Illinois)
Ryan Summers (Iowa)
C. Heath Turner (North Carolina State)
John Van Zee (Texas A&M)
Mark Weaver (adjunct, Florida)
Steven Weinman (Clemson)
Evan Wujcik (Akron)
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