



UNIVERSITY OF ILLINOIS CHEMICAL AND BIOMOLECULAR ENGINEERING

At the University of Illinois at Urbana-Champaign, our researchers are leaders in catalysis and surface chemistry, biological and biochemical engineering, and soft materials and complex fluids. Faculty and students conduct experimental and computational research in state-of-the-art laboratories and research centers. Graduate students are part of an innovative, interdisciplinary environment and participate in opportunities such as the annual graduate research symposium. Our alumni include legendary engineering scholars and leaders in academia and industry.

The department offers a graduate program leading to a doctoral degree.

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DISTINGUISHED ILLINOIS FACULTY AND THEIR RESEARCH INTERESTS

Rohit Bhargava (Biomedical Image Processing)

Ying Diao (Interfacial Phenomenon, Molecular Assembly for Energy and Healthcare)

David W. Flaherty (Catalysis, Surface Science and Materials Synthesis)

Damien S. Guironnet (Polymer Synthesis, Organometallic Chemistry and Catalysis)

William S. Hammack (Public Outreach and Engineering Literacy)

Brendan A. Harley (Biomaterials and Tissue Engineering)

Jonathan J.L. Higdon (Fluid Mechanics and Computational Algorithms)

Paul J.A. Kenis (CO₂ Electrolysis, Continuous Flow Manufacturing, Microfluidics for Biology)

Hyun Joon Kong (Design of Bioinspired Materials, Stem Cell Niche, and Tissue Engineering)

Mary L. Kraft (Surface Analysis and Biomembranes)

Deborah E. Leckband (Bioengineering and Biophysics)

Christopher V. Rao (Computational Biology and Cellular Engineering)

Simon A. Rogers (Colloidal Suspensions, Polymers, and Complex Fluids)

Charles M. Schroeder (Single Molecule Biology, Biophysics and Biomolecular Engineering)

Kenneth S. Schweizer (Macromolecular, Colloidal and Complex Fluid Theory)

Edmund G. Seebauer (Microelectronics Processing and Nanotechnology)

Diwakar Shukla (Molecular Engineering, Molecular Modeling and Simulations, Biophysics)

Charles E. Sing (Theoretical Polymer Physics, Statistical Mechanics, and Computer Simulation)

Xiao Su (Molecular Engineering of Materials) Joining faculty in January 2019.

Hong Yang (Nanomaterials for Energy and Biotechnology, Electrocatalysis)

Huimin Zhao (Molecular Bioengineering and Biotechnology)