

DREXEL UNIVERSITY

CHEMICAL AND BIOLOGICAL ENGINEERING

BIOCHEMICAL ENGINEERING · ELECTROCHEMICAL ENGINEERING · ENERGY AND THE ENVIRONMENT · MODELING AND SIMULATION · POLYMER SCIENCE AND ENGINEERING

FACULTY

CAMERON F. ABRAMS

Department Head

PhD, University of California, Berkeley
Molecular simulations in biophysics and materials; Receptors for insulin and growth factors; HIV-1 envelope structure and function; thermoset polymers

NICOLAS J. ALVAREZ

PhD, Carnegie Mellon University

Optical Field Chromatography; Extensional rheology of novel polymers; interfacial transport phenomenon; Water-based lubrication

JASON B. BAXTER

PhD, University of California, Santa Barbara
Solar cells; Semiconductor nanomaterials; Ultrafast spectroscopy

RICHARD A. CAIRNCROSS

PhD, University of Minnesota

Biodiesel production; Sustainable engineering; Systems for environmental monitoring; Ultralight aerodynamic structures

MEGAN A. CREIGHTON

PhD, Brown University

Nanotechnology; Surface and interfacial science; Complex fluids; Green manufacturing

AARON T. FAFARMAN

PhD, Stanford University

Colloidal nanocrystals; Solution-processed solar cells; Electrical and spectroscopic characterization of nanomaterials

VIBHA KALRA

PhD, Cornell University

Electrospinning of nanofibers; Binder-free electrodes for energy devices; In-situ Spectro electrochemistry; molecular simulations

KENNETH K. S. LAU

PhD, Massachusetts Institute of Technology

Polymer thin films and devices; Surface and interfacial engineering; Chemical vapor deposition

JOSHUA LEQUIEU

PhD, University of Chicago

Modeling and simulation of soft materials; Polymer physics; Biophysics

JOSHUA SNYDER

PhD, Johns Hopkins University

Electrocatalysis; Nanoporous nanostructures; Fuel cells; Batteries; Water electrolysis

MASOUD SOROUSH

PhD, University of Michigan

Systems engineering; Polymer reaction engineering; Polymer membranes; Renewable power generation and storage systems

MAUREEN TANG

PhD, University of California, Berkeley

Batteries; Catalysis; Electrochemical engineering; Energy storage and conversion; interfacial transport and reaction

STEVEN P. WRENN

PhD, University of Delaware

Biological Colloids; Membrane/Ultrasound Interactions; Theranostic Applications of Microbubbles

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