BROWN School of Engineering

BIOMEDICAL ENGINEERING

Biomaterials, Drug Delivery and Drug Discovery
Colvin, Coulombe, Harris, Hoffman-Kim*, Mathiowitz*, Morgan*, Shukla, Tripathi, Wong

Biomedical Optics and Biophotonics
Lee, Nurmikko, Xu

Biomolecular Engineering and Nanomedicine
Colvin, Hurt, Mathiowitz*, Palmore, Shukla, Tripathi, Wong

Biosensors and Bioplatorms
Borton, Colvin, Lee, Morgan*, Palmore, Rose, Tripathi, Wong, Xu

Mechanobiology and Motion Sciences
Coulombe, Darling*, C. Franck, Morgan*, Shukla, Wong

Neuroengineering and Brain Computer Interfaces
Borton, Hochberg, Lee, Nurmikko, Simeral

Repair and Regenerative Medicine
Coulombe, Darling*, Hoffman-Kim*, Morgan*, Shukla, Wong

Tissue Engineering and Stem Cell Technology
Coulombe, Darling*, Hoffman-Kim*, Palmore, Shukla

CHEMICAL, BIOCHEMICAL AND ENVIRONMENTAL ENGINEERING

Alternative and Sustainable Fuels
Goldsmith, Kulaots, Palmore, Peterson, Suuberg

Biochemical Sensing
Palmore, Tripathi, Xu

Biomaterials, Nanomaterials, and Composite Materials
Colvin, Hurt, Padture, Pennell, Sheldon, Shukla, Tripathi, Xu, Zia

Carbon and Graphene-Based Materials
Hurt, Kulaots, Padture, Sheldon, Suuberg, Xu

Catalysis and Reaction Kinetics
Goldsmith, Kulaots, Kumar, Peterson, Suuberg

Electrochemical Energy Conversion
Bower, Palmore, Peterson, Xu

Environmental Chemistry
Colvin, Goldsmith, Hurt, Pennell, Suuberg

Human Health Impacts of Chemical-Technologies and Nano-Technologies
Colvin, Gao, Hurt, Pennell, Suuberg, Wong

FLUIDS AND THERMAL SCIENCES

Biomechanics, Biophysics, and Biolocomotion
Breuer, J. Franck, Mandre, Powers

Fluid-Structure Interaction
Breuer, J. Franck, Harris, Mandre, Powers

Interfacial Dynamics and Surface Science
Breuer, Harris, Mandre, Powers, Xu

Micro and Nano-scale Mechanics and Dynamics
Breuer, Harris, Liu, Mandre, Powers

Soft Matter, Complex Fluids, and Colloidal Sciences
Harris, Henann, Hurt, Powers, Shukla, Wong, Xu

Sustainable Energy and Environmental Systems
Breuer, J. Franck, Liu, Mandre

MATERIALS SCIENCE AND ENGINEERING

Biomaterials
Breuer, Gao, Palmore, Shukla, Wong, Xu, Zia

Electronic Materials
Chason, S. Kim, Kingon, Padture, Paine, Sheldon, van de Walle, Xu, Zhou

Energy Materials
Gao, Padture, Palmore, Paine, Peterson, Sheldon, van de Walle, Zhou, Zia

High Temperature Materials
Brant, Hurt, Kumar, Padture, Sheldon, van de Walle

Thin Films
Chason, Gao, S. Kim, Pacifici, Padture, Paine, Sheldon, Shukla, Xu, Zhou, Zia

SOLID MECHANICS

Biomaterials, Biomechanics, and Biophysics
Blume, Breuer, Clifton, C. Franck, Gao, Kesari, Powers

Mechanics of Materials for Energy Storage
Bower, Gao, Guduru, K.S. Kim, Sheldon, van de Walle

Mechanics of Soft Materials (e.g. gels, polymers, granular matter)
Blume, Clifton, C. Franck, Harris, Henann, K.S. Kim, Powers

Mechanics of Thin Films and Surface Engineering
Chason, Gao, Guduru, K.S. Kim, Kumar, Padture, Peterson, Sheldon, van de Walle

Nano and Micro-mechanics
Breuer, Chason, Clifton, C. Franck, Gao, K.S. Kim, Padture, Sheldon, Xu

Structural Materials
Bower, Clifton, Gao, Guduru, K.S. Kim, Kumar, Padture, Sheldon, van de Walle, Xu

TECHNOLOGY & ENTREPRENEURSHIP

Appropriate Technology
Breuer, Bull, Gonssher, Hazeltine, Pendse

Entrepreneurial Networks and Environment
Harry, Kingon, McHugh, Suuberg, Warshay

Innovation Management and Early Stage Enterprise Growth
Harry, Kingon, Larson, McHugh, Suuberg, Warshay, Xu

Social Entrepreneurship
Bull, Gonssher, Hazeltine, Kingon