Javad Abbassian
Coal gasification; high temperature gas cleaning and process development

Hamid Arastoopour
Computational fluid dynamics of multi-phase systems; nanoparticle fluidization

Barry Bernstein
Fluid mechanics; polymer rheology

Donald Chmielewski
Design and control of energy systems

Ali Cinar
Modeling; analysis and control of complex distributed systems; diabetes; batch process supervision

David Gidalevitz
Membrane biophysics; biomaterials; nanoassemblies for controlled drug delivery

Dimitri Gidaspow
Hydrodynamics of multi-phase flow; coal gasification; fuel cells

Allan Myerson
Crystallization and molecular modeling for pharmacuetical processes

Satish Parulekar
Chemical and biochemical reaction engineering

Victor Perez-Luna
Surface chemistry; biomaterials; biosensors; hydrogels for biomedical applications; nanotechnology

Jai Prakash
Electrochemical characterization of novel materials for bateries; fuel cells

Vijay Ramani
Electrochemistry; fuel cell materials

Jay Schieber
Multiscale modeling of macromolecules; transport phenomena; statistical mechanics

Fouad Teymour
Complex systems; polymer engineering

David Venerus
Transport phenomena in complex materials; polymer rheology and processing

Darsh Wasan
Interfacial phenomena; wetting and spreading; nanofluids; food colloids

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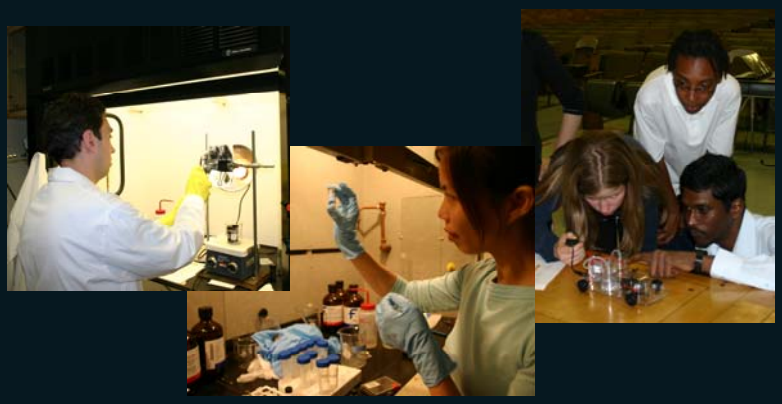

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