



## FACULTY

**Luke E.K. Achenie** (Carnegie Mellon)  
Modeling of chemical and biological systems

**Donald G. Baird** (Wisconsin)  
Polymer processing, non-Newtonian fluid mechanics

**Michael J. Bortner** (Virginia Tech)  
Polymer nanocomposites, interfaces, morphology  
and structure-property relationships

**David F. Cox** (Florida)  
Catalysis, ultrahigh vacuum surface science

**Richey M. Davis** (Princeton)  
Colloids and polymer chemistry, nanostructured materials

**Sanket A. Deshmukh** (Univ. College Dublin)  
Multi-scale modeling of hybrid materials development of  
computational models & methods

**William A. Ducker** (Australian Natl. Univ.)  
Colloidal forces, surfactant self-assembly, atomic force  
microscopy

**Aaron S. Goldstein** (Carnegie Mellon)  
Tissue engineering, interfacial phenomena in  
bioengineering

**Ayman M. Karim** (New Mexico)  
Heterogeneous catalysis, nucleation/growth of colloidal  
nanoparticles

**Erdogan Kiran** (Princeton)  
Supercritical fluids, polymer science, high pressure techniques

**Y.A. Liu** (Princeton)  
Pollution prevention and computer-aided design

**Chang Lu** (Illinois)  
Microfluidics for single cell analysis, gene delivery

**Stephen M. Martin** (Minnesota)  
Soft materials, self-assembly, interfaces

**Padma Rajagopalan** (Brown)  
Polymeric biomaterials, cell and tissue engineering

**Rong Tong** (Illinois)  
Polymer chemistry, biomaterials, nanomedicine

**Abby R. Whittington** (Illinois)  
Tissue engineering, controlled release of proteins

**Hongliang Xin** (Michigan)  
Computational catalysis, kinetic theory of electron transfer  
processes, understanding-driven catalyst screening

**Huiyuan Zhu** (Brown)  
Electrochemistry, catalysis, monodispersed nanocrystals, ionic  
liquids, energy and chemical conversion schemes

### For more information, contact:

Department of Chemical Engineering  
245 Goodwin Hall, 635 Prices Fork Road  
Virginia Tech, Blacksburg VA 24061  
Telephone: 540-231-5771 | Fax: 540-231-5022  
e-mail: dianec@vt.edu | [che.vt.edu](http://che.vt.edu)

@VirginiaTechChE



@VT\_ChE



@vtche

