



## Synergistic, interdisciplinary research in...

**Biomolecular Engineering**  
**Catalytic Science & Reaction Engineering**  
**Chemical Energy Engineering**  
**Environmental Engineering**  
**Interfacial Transport**  
**Materials Synthesis Characterization & Processing**  
**Microelectronics Processing**  
**Polymer Science & Engineering**  
**Process Modeling & Control**  
**Two-Phase Flow & Heat Transfer**



**MS, ME, and PhD degrees in**  
**Chemical Engineering, Biological Chemical**  
**Engineering, Chemical Energy Engineering, and**  
**Polymer Science and Engineering**

### FOR MORE INFORMATION

For an application and additional information write to:

**PhD Graduate Admissions:**

**Dr. Jeetain Mittal or Dr. Mark Snyder**

**MS Graduate Admissions: Dr. Jim Hsu**

**ME Distance Ed. Grad. Adm.: Drs. Jim Hsu, Vince Grassi**

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## FACULTY

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heterogeneous and environmental catalysis • shale gas and biomass conversion

**ANGELA C. BROWN**, *Drexel University*

biological colloids • lipid-protein interactions • membrane biophysics • microbial pathogenesis

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cell/tissue biomechanics colloids • systems biology • biological stochasticity • multicellular systems modeling

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high temperature processes and materials • environmental processes • reaction engineering

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adhesion • thin films • surface chemistry

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particle self-organization • mixing • microfluidics • rheology

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process systems engineering

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bioseparation • applied recombinant DNA technology

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catalyst materials • nanoparticle self-assembly • carbonaceous materials • heteroepitaxial interface structures

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use of adsorbents • ion exchange • reactive polymers • membranes in environmental pollution

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heat transfer • two-phase flows • fluidization • thermal energy storage

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materials characterization • surface chemistry • heterogeneous catalysis • environmental catalysis