Course offering -Spring 2010

EECE 534

Environmental Nanochemistry

Instructor: Dr. Young-Shin Jun

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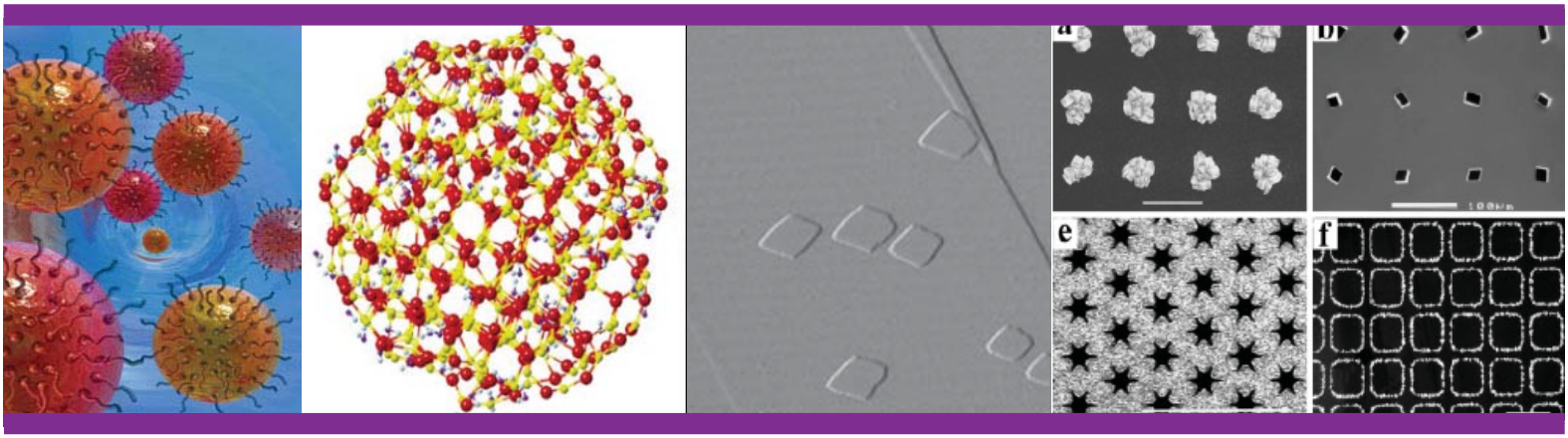
Monday and Wednesday 2:30-4:00 PM, class location will be announced later



What is the relationship among nanoscience/technology, the environment, and energy? How could nanochemistry potentially lead to better water treatments, more effective contaminated-site remediation, or new energy alternatives?

Are you interested in knowing these answers?
Check out Environmental Nanochemistry in Spring 2010!

We will (1) examine the thermodynamics and kinetics of nanoscale reactions at solid-water interfaces (related to environments and energy); (2) investigate how nanoscale interfacial reactions affect the fate and transport of contaminants; (3) introduce multidisciplinary techniques for obtaining fundamental information about the structure and reactivity of nanoparticles and thin films, and the speciation or chemical form of environmental pollutants at the molecular scale; (4) explore connections between environmental nanochemistry and environmental kinetic analysis at larger scales.

This course is designed for graduate students, but undergraduate students are welcome to take this course. Consult with the instructor.