

The Department of Civil and Environmental Engineering at the University of Houston presents...

The CIVE 6111 Graduate Seminar Series

Nanoparticles and the Environment: Chemistry, Applications and Impacts



Dr. Vicki Grassian

Distinguished Professor, Departments of Chemistry & Biochemistry,
Nanoengineering and Scripps Institution of Oceanography
Distinguished Chair in Physical Chemistry
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Friday, February 1, 2018

2:45PM-3:45PM

Classroom Business Building (CBB) Room 118

Abstract

This talk will focus on laboratory studies that probe the chemistry, applications and potential impacts of nanoparticles. Since surfaces play a major role in the behavior of nanoparticles, probes of the interfacial region are important to develop in complex environments. Advances in our understanding of the applications as well as the environmental and health impacts of nanoparticles will be discussed.

Bio

Vicki H. Grassian is currently Distinguished Professor at UC San Diego with appointments in the Departments of Chemistry and Biochemistry, Nanoengineering and Scripps Institution of Oceanography, and she holds the Distinguished Chair of Physical Chemistry within the Department of Chemistry and Biochemistry. Professor Grassian's research interests are in the areas of environmental molecular surface science, heterogeneous atmospheric chemistry, climate impact of atmospheric aerosols, and environmental and health aspects of nanoscience and nanotechnology. She is a fellow of several societies that include the American Chemical Society, American Physical Society of Chemistry and the American Association for the Advancement of Science as well as the recipient of several national and international awards including the American Chemical Society Award for Creative Advances in Environmental Science and Technology, the Royal Society of Chemistry John Jeyes Award, the American Chemical Society Midwest Award, the ACS Award for Incorporating Sustainability into Chemical Education and, most recently, the Nichols Award of the ACS NY Section .