

## CALL FOR PAPERS

# Symposium on Surface and Interfacial Phenomena in Environmental Processes

240<sup>th</sup> ACS National Meeting & Exposition  
August 22-26, 2010, Boston, MA

*Sponsored by the Division of Environmental Chemistry*  
*Cosponsored by the Division of Colloid and Surface Chemistry*  
*Cosponsored by the Division of Geochemistry*

The proposed symposium seeks new and innovative research developments in the general area of surface and interfacial interactions in environmental processes. Major areas of interest will include both the basic science and how the latest science is being captured in chemical exposure/risk assessments. Specific topics of interest include but are not limited to the following:

- Application of the state-of-the-art technologies for the characterization of surfaces in model, natural and engineered environments;
- Influence of surface and interfacial properties on reactions with environmentally relevant solutes (*e.g.*, effect of sorption on transformation processes);
- Transition from model systems to natural systems, *e.g.*, (i) development of appropriate model systems; (ii) examples of how model systems have been used to inform/elucidate processes occurring in more complex natural systems;
- Identifying the areas of uncertainty - what happens when we do not include the effects of surfaces on transformation processes;
- To what extent are we accounting for surface effects in current environmental fate and transport models?

Both invited and contributed papers from representatives of the industry, government agencies, and academia are planned to define the state of knowledge of surface and interfacial phenomena and to identify research and policy needs.

### Symposium Organizers

Huichun (Judy) Zhang, Southern Illinois University Edwardsville, Department of Chemistry and Environmental Sciences, Edwardsville, IL 62026-1652 Phone: (618)650-2138; Fax: (618)650-3556; Email: [huzhang@siue.edu](mailto:huzhang@siue.edu)

Eric J. Weber, National Exposure Research Laboratory, U.S. EPA, Athens, GA 30605 Phone: (706) 355-8001; e-mail: [Weber.eric@epa.gov](mailto:Weber.eric@epa.gov)

Timothy J. Strathmann, University of Illinois at Urbana-Champaign, Department of Civil and Environmental Engineering, Urbana, IL 61801 Phone: (217) 244-4679; e-mail: [strthmnn@ad.uiuc.edu](mailto:strthmnn@ad.uiuc.edu)