

CALL FOR PAPERS

ENVIRONMENTAL AND GEOCHEMICAL ASPECTS OF SUSTAINABLE WATER REUSE

Division of Environmental Chemistry
241th American Chemical Society (ACS) National Meeting
March 27-31, 2011
Anaheim, California

Climate change and socioeconomic developments have resulted in an ever increasing imbalance between the water supply and demand in many parts of the world. This symposium provides a forum to discuss the way we use and manage water, and recognize the link between water and the natural environment. This session solicits presentations on scientific understanding, solutions, and approaches that can offer great potential to ensure the sustainability of water use, the integration between the various components of water management, and the interface between water use and related land and environmental resources.

This symposium welcomes papers for oral and poster presentations that describe advances in our understanding of environmental and geochemical aspects of sustainable water reuse. Topics of interest include, but are not limited to, the following:

- Laboratory investigations of reactions during water reuse
- Large scale characterization and assessment of water reuse
- Fate and transport of pesticides, disinfection by-products, and pharmaceutical products.
- Fate and transport of biological colloids, including pathogens and trace organics
- Remobilization of trace metal ions
- Geochemical changes during aquifer recharge using reclaimed water
- Modeling of reactions and transport at multiple scales
- Health and safety of water reuse and future challenges in water reuse (urban, agricultural, recreational, environmental, and industrial)

Invited speakers include: Michael Hoffman (Caltech), **Ching-Hua Huang** (Georgia Tech), **Chris Impellitteri** (EPA), **Audrey Levine** (EPA), **Richard G. Luthy** (Stanford University), **David Sedlak** (University of California-Berkeley)

Interested researchers are encouraged to contact the symposium organizers regarding the suitability of their paper for this symposium.

Presenters are required to submit a short abstract to the ACS by **October 18, 2010**, using the ACS online system at <http://abstracts.acs.org>.

Symposium Organizers:

Young-Shin Jun, Department of Energy, Environmental and Chemical Engineering, Washington University, Campus Box 1180, One Brookings Drive, St. Louis, MO 63130, phone: (314) 935-4539, Fax: (314) 935-7211, E-Mail: ysjun@seas.wustl.edu

Y. Jeffrey Yang, U.S. EPA, Office of Research and Development National Risk Management Research Laboratory WSWRD / WQMB, Mail Stop 690, Cincinnati, Ohio 45268, phone: 513-569-7655, Fax: 513-569-7185, E-mail: yang.jeff@epa.gov