



AMERICAN CHEMICAL SOCIETY
DIVISION OF NUCLEAR CHEMISTRY AND TECHNOLOGY
DIVISION OF ENVIRONMENTAL CHEMISTRY

Environmental Radiochemistry Symposium

248th ACS National Meeting and Exposition, August 10-14, San Francisco
Jointly Sponsored by the Division of Nuclear Chemistry and Technology
and the Division of Environmental Chemistry

Call for Papers

Abstracts due on March 24, 2014

Submit abstracts using the ACS Abstract Submission System (PACS) (<http://abstracts.acs.org>)

(Organizers: Don Reed, LANL, dreed@lanl.gov; Brian Powell, Clemson, bpowell@clemson.edu; Ralf Sudowe, UNLV, ralf.sudowe@unlv.edu; Mavrik Zavarin, LLNL, zavarin1@llnl.gov)

The fate and transport of radionuclides in the environment continues to receive worldwide attention as we deal with the cleanup of contaminated sites and the siting of permanent geologic nuclear repositories. In the United States, for example, significant subsurface contamination remains at many of the sites linked to past and present activities in the weapons complex and the potential migration of these contaminants is of concern as the DOE moves toward decommissioning and restoration of these sites. Internationally, there are also many nuclear repository concepts (e.g., in Salt, Clay and granitic geologies) at various stages of development and there remain research needs associated with these concepts.

In the Environmental Radiochemistry Symposium we are seeking presentations in the broad area of new and ongoing research that address the subsurface fate and transport of actinides/radionuclides. Specific areas solicited include:

- Actinide/radionuclide solubility studies and associated thermodynamics
- Redox reactions of actinides/radionuclides
- Sorption of actinides/radionuclides
- Actinide/radionuclide colloid formation and transport
- Analytical techniques for the trace-level detection of actinides/radionuclides
- Modeling of transport and speciation of actinides/radionuclides

Please feel free to address questions about this session to any of the listed organizers. We strongly encourage participation by students and younger scientist in the field. Although our goal to encourage oral presentations, a poster session will be considered depending on the level of interest expressed.