

CALL FOR PAPERS

From the Bench to the Field: Evaluating Innovative Remediation & Detection Technologies

253rd American Chemical Society National Meeting & Exposition

“Advanced Materials, Technologies, Systems & Processes”

San Francisco, California

April 2-6, 2017

Abstract Deadline: **October, 31 2016**

Given the hundreds of thousands of contaminated sites in the US - together with the growing list of emerging contaminants – it is incumbent upon the environmental science and engineering community to develop innovative solutions. Basic research has benefited from advances in materials science, imaging, analytical, geospatial, and ‘omics technologies – driving innovation in contaminant remediation and detection in the environment. Furthermore, efforts to apply these technologies in the field – through technology transfer – provide additional insight for verifying technology strength and limitations. This symposium will feature case studies applying cutting edge approaches and technologies for site management, both in terms of remediation and detection of hazardous substances. Special attention will be given to how to evaluate success of these technologies, such as which parameters should be measured to declare remediation is complete. This symposium will also feature innovative detection and monitoring technologies that aid in the evaluation of remediation effectiveness.

The topics that would be covered in this session are, but are not limited to:

- Case studies applying innovative technologies or approaches in a field setting
 - Innovative *in situ* stabilization of contaminants using biological or chemical treatments
 - Innovative methods to combine biological-chemical remediation approaches
 - Innovative methods for remediation and monitoring of mixed pollutants
 - Field tests of bioremediation/phytoremediation of metals and or recalcitrant contaminants
 - Microbial & molecular tools to support pilot tests of bioremediation
 - Remediation and detection technologies utilizing innovative materials, nanotechnologies, or delivery platforms
 - Effective passive treatment
 - Site dependent optimization of treatment technologies

Please submit your abstracts using the ACS Meeting Abstracts Programming System (MAPS) at <https://maps.acs.org>. General information about the conference can be found at www.acs.org/meetings. Any other inquiries should be directed to the symposium organizers:

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