News

Haley & Aldrich experts to discuss PFAS remediation and more at DOD symposium

PFAS treatment system

Burlington, Mass., Nov. 14, 2023 — Seven Haley & Aldrich scientists and researchers will share their expertise at the Department of Defense (DOD) Energy and Environment Innovation Symposium Nov. 28-Dec. 1 in Arlington, Virginia.

The symposium brings together researchers, technology developers, regulators, and others to discuss the DOD's energy and environmental priorities, such as PFAS remediation and climate change resilience. The department's environmental research and energy innovation programs are hosting the event.

Haley & Aldrich's Applied Research Program receives funding from two of these programs: the Strategic Environmental Research and Development Program (SERDP) and the Environmental Security Technology Certification Program (ESTCP). Both support research and demonstration projects with the potential to address the DOD's priority concerns. Haley & Aldrich researchers have received SERDP and ESTCP funding to study, among other issues, technologies for the detection and remediation of groundwater contaminated by 1,4-dioxane and PFAS-containing aqueous film-forming foam (AFFF).

“Support from SERDP and ESTCP ensures that we can explore innovations to benefit not just the DOD but also our clients, our industry, and, most importantly, our environment,” said Murray Einarson, P.G., CEG, CHG, Haley & Aldrich’s Contaminated site management service leader. “The Energy and Environment Innovation Symposium provides an excellent opportunity both to share our work and to learn from others.”

Haley & Aldrich’s involvement is detailed below.

Platform presentation

- Murray Einarson: **“The pros and cons of high-resolution site characterization?(HRSC) of contaminated sites,”** Nov. 29, 10:40 a.m., part of the “Groundwater Treatment & Management – Challenges & Progress” session (*invited presentation*).

Poster presentations

- John Xiong, Ph.D., P.E. (principal consultant): **“Assessing polyfluoroalkyl substances transformation in groundwater at AFFF-impacted sites using in situ microcosms,”** Nov. 28.
- Murray Einarson, Raghavendra Suribhatla Maruti (technical expert, environmental and water resources engineer), Charles Payne (technical expert): **“Procedure for generating optimized numerical models from the new generation of advanced geologic site conceptual models developed using environmental sequence stratigraphy (ESS),”** Nov. 29.
- Min-Ying Jacob Chu, Ph.D., P.E. (senior technical expert, environmental engineering): **“Development of a recirculation-based in situ aerobic cometabolic biodegradation system to treat a large, deep, dilute plume containing 1,4-dioxane and chlorinated ethenes,”** Nov. 29.
- Yida Fang, Ph.D., P.E. (technical specialist, environmental engineer): **“Utilizing PFAS aggregation at the gas-water interface for energy-efficient PFAS destruction,”** Nov. 30.
- Min-Ying Jacob Chu: **“Estimation of biotransformation rate of key PFAS precursors and PFAS sequestration into microbial biomass during precursor biotransformation using activity-based labeling (ABL),”** Nov. 30.
- John Xiong: **“Demonstration of cost-effective and sustainable** destruction of PFAS **in concentrated waste streams,”** Nov. 30.

For more information: ?

Contact our media team.