

PRESENTATIONS

# Battelle 2024 Chlorinated Conference

Denver, Colorado  
June 2-6, 2024

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# Sunday, June 2



**SHORT COURSE** (8:00 am)

**How to Strategize on Site Investigation, In Situ Remediation and Monitored Natural Attenuation (MNA)-Natural Source Zone Depletion (NSZD): Addressing Subsurface Heterogeneity throughout the Project Lifecycle**

**Instructors:**

*Junaid Sadeque, Ben Campanaro*



# Monday, June 3



## **PANELIST** (2:40 pm)

**Decision-Making and Financial Implications of PFAS Fate and Transport in Multiple Environmental Media**  
*Rebecca Higgins*



## **POSTER SESSION A4** (4:30 pm)

**Role of Sequence Stratigraphy in In Situ Remediation of LNAPL Contamination: A Case Study from the Los Angeles Basin, California**  
*Junaid Sadeque*



## **PLATFORM SESSION F1** (12:35 pm)

**What's after Sequence Stratigraphy? Hydrogeologic Best Practices to Interpret Contaminant Migration Pathways with Case Study Applications**  
*Dawn Stock*



## **POSTER SESSION B3** (4:30 pm)

**11-Year Performance Monitoring of Enhanced Reductive Dechlorination within Fractured Bedrock at a Densely Instrumented Site**  
*David Dyson*



## **PLATFORM SESSION I1** (2:40 pm)

**Evaluation of PFAS Removal by Surface Activated Foam Fractionation of Low Foaming Groundwater and High Foaming Surface Water**  
*Hanna Temme*



## **POSTER SESSION B3** (4:30 pm)

**Case Study of a Successful Brownfields Remediation Project at a Former Manufacturing Facility**  
*David Russell*



## **POSTER SESSION A1** (4:30 pm)

**Hydraulic Response to Periodic Purging of DNAPL from a Fractured, Karstified Limestone Aquifer**  
*Dennis Connair*



## **POSTER SESSION I1** (4:30 pm)

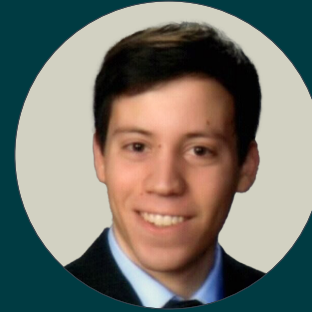
**From Traditional to Novel Adsorbents: Do Specific Water Matrix Effects Impact PFAS Treatment?**  
*Francisco Barajas Rodriguez*



# Tuesday, June 4



**PLATFORM SESSION F2** (8:00 am)  
Leveraging Digital Workflows and Integrated  
Conceptual Site Models to Streamline Complex  
Assessment Projects  
*Jeremy Grant*



**PLATFORM SESSION F2** (10:05 am)  
Digital Reporting with PlanEngage: Synthesize,  
Summarize, Explore, Deliver  
*Ben Campanaro*



**PLATFORM SESSION A4** (10:05 am)  
When Life Gives You Lemonade, Make Lemons:  
How to Reverse Engineer Valid Geological Data  
from Analogs, Outcrops and Regional Geology in  
a Remediation Project  
*Junaid Sadeque*



**PLATFORM SESSION I3** (11:20 am)  
Use of Lysimeters to Estimate Site-Specific Soil  
Standards for PFAS  
*Matthew Zenker*

# Wednesday, June 5



**PANELIST** (1:25 pm)

**Cost Impacts to Society of PFAS Remediation and Treatment**

*Rebecca Higgins*



**PLATFORM SESSION I6** (1:00 pm)

**Large-Scale In Situ Remediation of PFAS in Groundwater using Colloidal Activated Carbon**

*John Cuthbertson*



**PLATFORM SESSION A6** (8:25 am)

**Evaluation of Chlorinated Solvent Source Mass for the Baghurst Drive Superfund Site Thermal Remedial Design**

*Kevin Mudrick*



**PLATFORM SESSION E5** (1:50 pm)

**Electrochemical Oxidation Field Demonstration for PFAS Destruction: What Could Possibly Go Wrong?**

*Hanna Temme*



**PLATFORM SESSION I5** (10:30 am)

**3M Settlement Project 1007 Source Assessment and Feasibility Study Findings: Regulation and Resource Protection**

*Rebecca Higgins*

# Wednesday, June 5 (continued)



## **PLATFORM SESSION E4** (10:55 am)

Treatment Train for Removing PFAS from High Concentration Stormwater

*Rebecca Mora*



## **POSTER SESSION G7** (4:30 pm)

Interim RA at Hamilton Labree Superfund Site

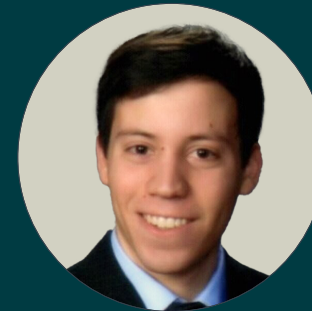
*Venus Sadeghi*



## **PLATFORM SESSION G5** (1:50 pm)

Field-Scale Pilot Study Using In Situ Electrochemical Reactors to Address Soil and Groundwater Benzene Impacts

*Doug Gray*



## **POSTER SESSION I5** (4:30 pm)

Using Sequence Stratigraphic Understanding to Inform PFAS Migration: 40,000 Acres of South Central Tennessee

*Ben Campanaro*



## **POSTER SESSION D10** (4:30 pm)

Evaluating Enhanced Biodegradation of Petroleum Hydrocarbon-Impacted Soil for Landfarming Application

*Francisco Barajas Rodriguez*

# Thursday, June 6



**PANELIST** (1:25 pm)

**PFAS towards 2029: Priorities for Action, an Interactive Session**

*Rebecca Higgins*



**PLATFORM SESSION F7** (11:20 am)

**Use of Passive Groundwater/Mass Flux Meters to Support Natural Attenuation in Complex Geologic/Hydrogeologic Conditions**

*Doug Gray*



**PLATFORM SESSION C8** (8:00 am)

**Sustainable In Situ Remediation with Targeted Solids Emplacement for Expedited Brownfield Redevelopment: A German Case Study**

*Peter Martus*



**PLATFORM SESSION A12** (3:30 pm)

**Evaluation of a New Treatment Amendment to Remove Mercury from Recovered Groundwater/Leachate at a Landfill**

*Doug Gray*



**PLATFORM SESSION I7** (8:25 am)

**PFAS Soil and Groundwater Threshold Limits in Europe: What Should We Do When PFAS Are Not Regulated?**

*Francesca Motta*