



REMTEC & EMERGING CONTAMINANTS SUMMIT

ATTENDEE HANDBOOK

OCTOBER 14-16
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REMTEC & EMERGING CONTAMINANTS SUMMIT

OCTOBER 14-16 | 2025

Dear RemTEC & Emerging Contaminants Summit Participants,

We are thrilled to have you join us for the 2025 RemTEC & Emerging Contaminants Summit. Since 2009, the RemTEC Summit has been a hub for innovation, collaboration, and advancement in environmental science and remediation. Since merging with the Emerging Contaminants Summit in 2022, we've grown even stronger. This year, we're bringing you an exceptional lineup of speakers and presentations that will inspire and energize you!

Over the next three days, you'll be part of one of the most robust technical conferences in environmental remediation, science, and technology. We know you'll leave feeling empowered with fresh knowledge, and ready to apply the latest concepts you've learned to your work. Don't forget to take advantage of the numerous networking opportunities—this is your chance to engage with top experts in academia, regulatory sectors, industry, and environmental consulting.

We are deeply grateful for your commitment to elevating yourself and your organization by attending the 2025 Summit. We hope you walk away better informed, better connected, and better equipped to tackle the challenges ahead.

Thank you once again for being part of this incredible journey!

Warm regards,



Dr. Rula A. Deeb
Geosyntec Consultants



Shaily Mahendra
University of California,
Los Angeles (UCLA)



Mr. Gregory Gervais
Geosyntec Consultants



Chris Higgins
Colorado School
of Mines



Mahsa Shayan
Geosyntec
Consultants

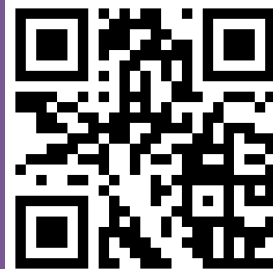


Hooman Vatankhah
Florida International
University

2025 RemTEC & Emerging Contaminants Summit Chairs



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RAMBOLL

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7:30 AM

Registration Opens

7:30 AM – 8:30 AM

Continental Breakfast in Exhibit Hall

8:30 AM – 8:40 AM

Welcome and Opening Remarks

Dr. Rula Deeb, Geosyntec Consultants | Dr. Mahsa Shayan, Geosyntec Consultants | Mr. Gregory Gervais, Geosyntec Consultants | Dr. Shaily Mahendra, University of California, Los Angeles | Dr. Hooman Vatankeh, Florida International University | Dr. Chris Higgins, Colorado School of Mines | Ms. Chelsea Yordy, BNP Media

8:40 AM - 10:10 AM

Opening Conference Keynote Panel: "PFAS Legal Landscape: Risks of Corporate Liability and Litigation Strategies"

Moderator: Dr. Rula Deeb, Geosyntec Consultants
Panelists: Mr. Donald Sobelman, Farella Braun + Martel LLP
Mr. Pete Nyquist, Greenberg Glusker LLP
Mr. Tom Boer, Hogan Lovells US LLP

10:10 AM – 10:30 AM

Student Flash Poster Presentations

10:30 AM – 11:00 AM

Morning Networking Break in Exhibit Hall

	LEGACY BALLROOM	STANDLEY BALLROOM	COTTON CREEK
	TRACK 1 PFAS: DEVELOPING, PILOTING, AND COMMERCIALIZING DESTRUCTIVE TECHNOLOGIES Track Chair: Mr. David Azzolini, Denver International Airport	TRACK 2 PFAS: ADVANCES IN ANALYTICAL APPROACHES Track Chair: Ms. Taryn McKnight, Eurofins Environment Testing (USA)	TRACK 3 PFAS: BACKGROUND INPUTS AND FORENSIC SOURCE ASSESSMENTS Track Chair: Dr. Ashley Parks, Exponent
11:00 AM – 11:40 AM	Track Keynote Pilot Study of Scalable Destructive Technologies for AFFF Formulations and PFAS Dr. Christopher Griggs, U.S. Army Corps of Engineers	Track Keynote Characterizing Air Emissions During Destructive Treatment of PFAS-Impacted Materials: Workshop Findings and Lessons Learned from Field Demonstrations Dr. Chris Higgins, Colorado School of Mines	Track Keynote Bridging PFAS Forensics and Meta-Analysis for Strategic Treatment Approaches at DoD Bases and Wastewater Treatment Plants Dr. Mahsa Modiri, EA Engineering, Science, and Technology
11:40 AM – 12:10 PM	Novel Electron Beam Accelerator Technology for PFAS Destruction in Water Dr. Slavica Grdanovska, Fermi National Accelerator Laboratory	Is Higher Resolution Better? Case Studies on PFAS Comparisons Between EPA 1633 and High Resolution Analysis Dr. Bharat Chandramouli, SGS	Background Evaluation of PFAS in Colorado Waters Dr. Stefanie Shea, Woodard & Curran
12:10 PM – 1:40 PM	Luncheon		
1:40 PM – 2:10 PM	PFAS Remediation Using EradiFluor, a Non-Thermal Destruction Process Dr. John Xiong, Haley & Aldrich, Inc.	When You Know You Know: Understanding Non-Targeted Analysis, Compound Identification, and Confidence Levels Dr. Sarah Choyke, Eurofins Environment Testing	Forensics and Temporal Analysis of PFAS in Biosolids Dr. Rajib Mozumder, Ramboll

TUESDAY, OCTOBER 14

2:10 PM – 2:40 PM	LEGACY BALLROOM Application of Photo-Activated Reductive Defluorination for PFAS Destruction in Multiple Aqueous Matrices Ms. Sarah Meyer, Enspired Solution	STANDLEY BALLROOM Mitigating the Risks of Incomplete Decontamination Using a Novel Surface Testing Method to Comprehensively Assess PFAS Remaining Throughout Firefighting Suppression Systems Dr. Ian Ross, CDM Smith	COTTON CREEK Unraveling PFAS Signatures: Multivariate Analysis of PFAS Signatures from Over 20 PFAS-Impacted Sites Dr. Ryan Swanson, HydroGeoLogic, Inc.
2:40 PM – 3:10 PM	Networking Break in Exhibit Hall		
	LEGACY BALLROOM TRACK 4 PFAS: INNOVATIVE TOOLS FOR CHARACTERIZING PFAS DISTRIBUTION IN THE FIELD Track Chair: Dr. Dan Bryant, Woodard & Curran	STANDLEY BALLROOM TRACK 5 MICROPLASTICS: ENVIRONMENTAL OCCURRENCE, MONITORING, AND SOURCE REDUCTION STRATEGIES Track Chair: Dr. Jonathan Judy, University of Florida	COTTON CREEK TRACK 6 OPTIMIZING REMEDIATION OUTCOMES AT CONTAMINATED SOIL AND GROUNDWATER SITES Track Chair: Dr. Lloyd (Bo) Stewart, Praxis Environmental Technologies, Inc.
3:10 PM – 3:50 PM	Track Keynote Development and Field-Testing of Advanced Passive Samplers for PFASs Dr. Rainer Lohmann, University of Rhode Island	Track Keynote Microplastic Distribution and Co-Contaminants in Soil and Stormwater Runoff: A Global Assessment to Inform Management Strategies Dr. Sanjay Mohanty, University of California, Los Angeles	Track Keynote Two Case Studies Demonstrating 10-Year Longevity of Fracture-Emplaced Microscale ZVI Mr. Chapman Ross, FRx, Inc.
3:50 PM – 4:20 PM	Portable Sensors for PFAS Detection: Advances, Challenges, and Field Applications Dr. Silvana Andreescu, Clarkson University	Monitoring Microplastics in Stormwater and Wastewater Dr. Nicole Fahrenfeld, Rutgers University	Improving the Geologic Foundation of Conceptual Site Models: Collecting High Quality Geologic Data Using Graphical Logging Approaches Mr. Colin Plank, Geosyntec Consultants
4:20 PM – 4:50 PM	A Modular Biosensor Platform for Rapid, On-Site Detection of PFAS in Environmental Remediation Dr. Scott Witte, Salvus LLC	Strategies for Source Reduction of Emerging Contaminants (Additives) from Post-Use Plastic Dr. Christopher White, Ramboll	Optimizing In-Situ Bioremediation in Mixed Contaminant Plumes Mr. Fritz Krembs, Trihydro Corporation
4:50 PM – 5:00 PM	Flash Posters	Flash Posters	Flash Posters Harnessing Natural Attenuation Processes for Long-Term Management of Chloro-, Nitro- and Amino-Substituted Aromatics Using Molecular Tools Mr. Lucas Ribeiro, Geosyntec Consultants Characterization of a Lowstand Calciclastic Deepwater System: Organized Channel Stacking in the Decie Ranch Member, West Texas Mr. Conor Sullivan, Geosyntec Consultants
5:00 PM – 6:30 PM	Welcome Reception on Exhibit Hall Floor		

7:30 AM

Registration Opens

7:30 AM – 8:30 AM

Continental Breakfast in Exhibit Hall

LEGACY BALLROOM

TRACK 7 6-PPD: ANALYSIS, MANAGEMENT, AND REGULATION

Track Chair:

Mr. Richard Murray,
Colorado Department
of Public Health and
Environment

STANDLEY BALLROOM

TRACK 8 1,4-DIOXANE: TREAT- MENT USING BIOLOGI- CAL APPROACHES AND ADVANCED OXIDATION SYSTEMS

Track Chair:

Mr. Elie Haddad,
Haley & Aldrich, Inc.

COTTON CREEK

TRACK 9 REMEDICATION OF SITES IMPACTED BY CHLORINATED SOLVENTS AND PETROLEUM HYDROCARBONS

Track Chair:

Ms. Melissa Armstrong,
Integral Consulting Inc.

8:30 AM - 9:10 AM

Track Keynote

Dynamics and Manage- ment of 6PPD-Quinone in the Aquatic Environment

Dr. Edward Kolodziej,
University of Washington

Track Keynote

Bench-Scale and Pilot Scale Evaluation of Advanced Oxi- dation Process Systems to Treat 1,4- Dioxane Contaminated Groundwater

Dr. Arjun Venkatesan, New
Jersey Institute of Technology

Track Keynote

Influence of Activated Carbon(s) and Electron Donors on Microbial Transformation of Chlorinated Solvents in Aquifer Material and with Bioaugmentation Cultures

Dr. Kevin Finneran,
Clemson University



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WEDNESDAY, OCTOBER 15

9:10 AM - 9:40 AM	Analysis of 6PPD-Q by Liquid Chromatography-Tandem Mass Spectrometry Mr. Jonathon Walter, ALS Environmental	Microbial Functions and Adaptation During 1,4-Dioxane Biodegradation in the Sequential Nutrient Addition Dr. Yu (Rain) Miao, Northeastern University	Transforming Challenges into Solutions: Managing Releases from a Former Waste Hazardous Landfill Dr. Rebecca Daprato, Geosyntec Consultants
9:40 AM - 10:10 AM	Where the Rubber Meets the Road: Updates on the Science of 6PPD and 6PPD-Quinone Dr. Kelly Grant, California Department of Toxic Substances Control	Find the Right Workers and Give Them the Tools: Enhancing Metabolic Biodegradation of 1,4-Dioxane Using Native <i>Pseudonocardia dioxanivorans</i> BERK-1 and a Constructed Air Sparge Trench Dr. Mitchell Olson, Colorado State University	Go Wild: In-Situ Smoldering Treatment of Hydrocarbons at a Remote Alaskan Site Mr. Reid Clementino, Savron
10:10 AM - 10:15 AM			Flash Posters Brownfield Redevelopment Accelerated via Biostimulation, Enhancing Indigenous Microbial Populations to Collectively Exploit Organic Contaminants Mr. Kent Armstrong, TerraStryke Products LLC
10:15 AM - 10:45 AM	Morning Networking Break in Exhibit Hall		
	LEGACY BALLROOM TRACK 10 EMERGING CONTAMINANTS: WHAT'S NEXT? Track Chair: Dr. Steve Becker, SCIDEV	STANDLEY BALLROOM TRACK 11 MANAGING METALS IN GROUNDWATER Track Chair: Dr. Tim Mattes, University of Iowa	COTTON CREEK TRACK 12 ENVIRONMENTAL IMPACTS OF WILDFIRES Track Chair: Dr. Shaily Mahendra, University of California, Los Angeles.
10:45 AM - 11:25 AM	Track Keynote What's Next: Are Antimicrobials the Next PFAS? Ms. Rebecca Fuoco, Green Science Policy Institute	Track Keynote EPA's Good Samaritan Hardrock Mine Cleanup Program for Abandoned Mine Sites Mr. David Hockey, U.S. Environmental Protection Agency	Track Keynote Drinking and Surface Water Quality Impacts following the 2025 Palisades and Eaton Fires Dr. Christopher Olivares, University of California, Irvine
11:25 AM - 11:55 AM	Effect of Groundwater Chemistry on the Transport and Fate of Sulfolane and Co-Pollutants Dr. Erica Pensini, University of Guelph	Ferritin Nanocages for Selective Adsorption and Precipitation of Critical Metals From Mixed Systems Dr. Meng Wang, University of Pittsburgh	Structural Fire Emissions (PAHs, PFAS) from Laboratory Burns and DBP Formation after Los Angeles Wildfires Dr. Srinidhi Lokesh, Colorado State University
11:55 AM - 12:25 PM	New EPA Tool and Information to Address Emerging Contaminants in Municipal Wastewater Mr. Jacob Adler, U.S. Environmental Protection Agency	Phyto-Mycoremediation of Mixed Metals and Hexavalent Chromium in Brownfield Soils in LA County Ms. Danielle Stevenson, Centre for Applied Ecological Remediation	Biodegradation of Dissolved Pyrogenic Organic Matter and Potential Implications for the Nitrogen Cycle Dr. Courtney Gardner, The University of Texas at Austin
12:25 PM - 1:55 PM	Luncheon		

	LEGACY BALLROOM	STANDLEY BALLROOM	COTTON CREEK
	TRACK 13 PFAS: ADVANCING TREATMENT FOR A BROAD RANGE OF IMPACTED ENVIRONMENTAL MEDIA Track Chairs: Mr. Blaine Bengtson , Lathrop GPM LLP Dr. Nicole Blute , Hazen and Sawyer	TRACK 14 PFAS: SITE INVESTIGATION, MANAGEMENT CONSIDERATIONS, AND OPTIMIZING TREATMENT Track Chair: Mr. Ray Lees , Langan	TRACK 15 PFAS: THERMAL TREATMENT RESULTS FROM THE FIELD Track Chair: Jim Cummings , U.S. Environmental Protection Agency (Administrative Leave)
1:55 PM - 2:25 PM	Can We Use EO to Destroy PFAS in Waters While Eliminating its Byproduct Perchlorate? Dr. Valérie Léveillé , WSP	Investigating PFAS at a Large, Closed Site Mr. John Boylan , RSI	Smoldering Treatment of PFAS in Mixed Media at an Air Force Base Ms. Laura Kinsman , Savron
2:25 PM - 2:55 PM	High Throughput PFAS Destruction Using UV-Photochemical Process Mr. Zachary Rogers Dr. Zekun (Zack) Liu , Claros Technologies	Dietary Exposure to PFAS from Farm-Raised and Grown Foods Near a PFAS-Contaminated Site and Background Locations in the Midwest Dr. Ankita Bhattacharya , Geosyntec Consultants	Applying Thermal Conduction Heating for PFAS-Impacted Soil Remediation Ms. Lauren Soos , TRS Group
2:55 PM - 3:25 PM	A Case Study on Commissioning Supercritical Water Oxidation (SCWO) for the Treatment of Biosolids to Eliminate PFAS and Reduce Reliance on Biosolids Land Application Ms. Naomi Senehi , 374Water	Navigating PFAS Remediation Approaches for Effective Site Remediation Strategies Mr. Jacques Smith , SIREM	Field-Scale Co-Treatment of Spent GAC and PFAS-Contaminated Soil Using a Mobile Thermal Remediation Unit Mr. Rysen Shirzadi , ASRC Consulting and Environmental Services (ACES)
3:25 PM - 3:55 PM	Afternoon Networking Break in Exhibit Hall		
3:55 PM - 4:25 PM	Mechanochemical Destruction of PFAS in AFFF and AFFF-Impacted Soils Dr. Hunter Anderson , Environmental Decontamination Limited	Case Study of a Pilot Groundwater Pump-and-Treat System for Elevated Levels of PFAS Under Complex Hydrogeochemical Conditions Mr. Upendra Soni , Environmental Resources Management	Joint EPA/DoD/Clean Harbors PFAS Destruction Test Program at the Aragonite Incineration Facility Ms. Annielu Dewitt , Clean Harbors
4:25 PM - 4:55 PM	First Industrial-Scale Mechanochemical Destruction of PFAS in AFFF-Impacted Soils Using Horizontal Ball Milling Dr. Kela Weber , Royal Military College of Canada	Destruction of PFAS at What Cost? A Quantitative Assessment of GHG Emissions and Environmental Externalities from Breaking the PFAS Cycle Mr. Andrew Safulko , Brown and Caldwell	PFAS Destruction at Hazardous Waste Incinerators in the USA and Europe Ms. Randa Coffey , Veolia Ms. Olivia Mikulencak , Veolia North America
4:55 PM - 5:00 PM	Flash Posters Hydrothermal Alkaline Treatment (HALT) for On-site Destruction of Concentrated Residuals from Treatment of PFAS-impacted Groundwater: A Scalable Solution for DoD Site Remediation Dr. Brian Pinkard , Aquagga	Flash Posters Coordinated Residential Drinking Water Response: Field-Tested Strategies for Communication, Analysis, and Treatment Ms. Erin Dietrich , Barr Engineering Co. Quantifying the Leaching Potential of PFAS from Concrete at Industrial Facility Mr. Tyler Brown , Ramboll Use of Hazardous Waste Injection for AFFF and Other Concentrated PFAS Liquids Mr. Frank Marine , VLS Texas Molecular	Flash Posters PFAS Degradation During Hazardous Waste Incineration: A Pilot-Scale Study with Comprehensive Analytical Approach Ms. Randa Coffey , Veolia Ms. Olivia Mikulencak , Veolia North America
5:00 PM - 6:30 PM	Networking Reception on Exhibit Hall Floor		

THURSDAY, OCTOBER 16

7:00 AM - 8:30 AM	Breakfast in Exhibit Hall		
8:00 AM - 8:10 AM	Day 3 Welcome Dr. Mahsa Shayan , Geosyntec Consultants Ms. Chelsea Yordy , BNP Media		
8:10 AM - 9:50 AM	Closing Conference Keynote: "Navigating the PFAS Challenge: State and Federal Regulatory Perspectives" Moderator: Mr. Gregory Gervais , Geosyntec Consultants Panelists: Ms. Wendy Linck and Mr. Dan Newton , California State Water Resources Control Board Ms. Rachel Puttmann and Ms. Christa Leibli , EPA Region 8 Dr. Jennifer Talbert , Colorado Department of Public Health and Environment Ms. Andri Dahlmeier , Minnesota Pollution Control Agency		
9:50 AM - 10:00 AM	Student Competition Award Winner Announcement Ms. Megan Houlihan , Geosyntec Consultants		
10:00 AM - 10:30 AM	Morning Networking Break in Legacy Foyer		
	LEGACY BALLROOM TRACK 16 PFAS: TREATMENT TECHNOLOGY DEMONSTRATIONS AT PETERSON AIR FORCE BASE Track Chair: Dr. Christopher Higgins , Colorado School of Mines	STANDLEY BALLROOM TRACK 17 PFAS: TREATMENT TRAIN APPROACHES Track Chair: Dr. Chris Bellona , Colorado School of Mines	COTTON CREEK TRACK 18 PFAS: MORE ON TREATMENT ADVANCES Track Chair: Mr. Jeffrey McDonough , CDM Smith
10:30 AM - 11:10 AM	PANEL DISCUSSION Overview of Side-by-Side Technology Field Demonstration Program Dr. Hannah McIntyre , Geosyntec Consultants First to Field: PFAS-Impacted Sediment Washing Dr. Conrad Pritchard , Colorado School of Mines Dr. Shilai Hao , Virginia Tech	Track Keynote On-Site Demonstration of Thermal Desorption Coupled with Thermal Oxidation to Treat Solid PFAS-Impacted Soil Investigation-Derived Waste Dr. Frank Barranco , EA Engineering, Science, and Technology, Inc.	Track Keynote Recent Advances in Sorption-Based Processes for PFAS Removal and Longevity Enhancement Dr. Hooman Vatankhah , Florida International University
11:10 AM - 11:40 PM	First to Field: Thermal Desorption to Treat PFAS-Impacted Sediments Mr. John LaChance , TerraTherm, Inc. First to Field: Using UV/SGM to Destroy PFAS in Highly Concentrated PFAS Waste Streams Dr. Hannah McIntyre , Geosyntec Consultants	Achieving Complete Removal of PFAS from Wastewater by Combining High Pressure Membranes with Adsorbents Dr. Timothy Strathmann , Colorado School of Mines	
11:40 PM - 12:10 PM		Closed Loop PFAS Groundwater Treatment: Separation by Foam Fractionation and Destruction with Supercritical Water Oxidation (SCWO) Dr. Jason Hnatko , Allonnia	Cutting the Chain: Innovation to Destroy PFAS in Sludge Dewatering Filtrate at the City of Tacoma Central Wastewater Treatment Plant Dr. Erika Houtz , ECT2
12:10 PM - 1:10 PM	Luncheon		

LEGACY BALLROOM

TRACK 19

PFAS TREATMENT TECHNOLOGY DEMONSTRATIONS AT FORMER NAVAL AIR STATION JOINT BASE WILLOW GROVE AND BIDDLE NATIONAL GUARD BASE

Track Chair:

Dr. Hooman Vatankhah, Florida International University

1:10 PM – 1:35PM

Surface Active Foam Fractionation Concentrates PFAS for Cost Effective Destruction
Dr. Kent Sorenson, Allonnia

1:35 PM – 2:00 PM

Remediation of AFFF-Impacted Groundwater Using Novel Cyclodextrin Adsorbent (DEXSORB®)
Ms. Ri Wang, Cyclopure

2:00 PM – 2:25 PM

Treatment of PFAS in Groundwater with Regenerable Anion Exchange Resin as a Bridge to PFAS Destruction
Dr. Erika Houtz, ECT2

2:25 PM – 2:50 PM

The Use of Supercritical Water Oxidation for Environmental Remediation and Restoration from PFAS
Mr. John Follin, General Atomics



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LEGACY BALLROOM

TRACK 20 PFAS SORPTION TECHNOLOGIES

Track Chair:

Dr. Bill McLaren, University of Waterloo

2:45 PM - 3:45 PM

PANEL DISCUSSION

Capturing PFAS : Surface-Modified Clay Adsorbents for PFAS Remediation in Complex Environments

Dr. Rebecca Dickman, CETCO

A Field Demonstration Study: Activated Carbon-Based Amendment Used to Remediate PFAS Source Soil at a Northern Michigan Airfield

Mr. Ryan Moore, REGENESIS

Design Considerations and Field Techniques for In Situ Injection of Modified Clay for PFAS Remediation

Mr. Derek Pizarro, AST Environmental, Inc.

Comparative Assessment of Emerging Adsorbents for Remediation of PFAS in Difficult-to-Treat Matrices

Dr. Anderson Ellis, Aquagga

STANDLEY BALLROOM

TRACK 21 PFAS ANALYTICAL FRONTIERS

Track Chair:

Dr. Dina Drennan, BEM Systems, Inc.

PANEL DISCUSSION

Trifluoroacetic Acid and Other Ultrashorts: Understanding Measurement and Relevance for Remediation Monitoring

Mr. Jamie Fox, SGS North America

Field Deployment of FRED-PFAS, a Portable Unit for Measuring Total PFAS in the Field

Ms. Emily Hicks, FREDsense Technologies Corp.

Exploring Untargeted PFAS Analysis: Decoding Dark PFAS and Cutting the Data Fog

Dr. Solidea Maria Cristina Bonina, GEI Consultants Inc.

Rapid PFAS Testing with no Compromises: Direct Inject Analysis

Mr. JP Verheul, Enthalpy Analytical

Addressing the Analytical Gap: Method Development for Ultra-Short Chain PFAS in Aqueous Matrices

Mr. Jonathan Thorn, Eurofins Environment Testing (USA)

Per- and Polyfluoroalkyl Substances (PFAS) Services

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SiREM is dedicated to validating existing technologies, finding new ways to understand the impact of PFAS on the environment, and developing innovative approaches to monitor and remediate PFAS. We provide products and services for monitoring and remediating PFAS including:

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STUDENT PROGRAM MENTORS

Dr. Kent Sorenson

Allonnia

Dr. Dina Drennan

BEM Systems

Mr. Andrew Safulko

Brown and Caldwell

Ms. AnnieLu DeWitt

Clean Harbors

Dr. Kevin Finneran

Clemson University

Dr. Mitch Olson

Colorado State University

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EPA region 8

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EA Engineering

Dr. Hooman Vatankhah

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Geosyntec

Dr. Yukun Jin

GSI

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Haley & Aldrich

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Integral Consulting

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Langan

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Northrop Grumman

Ms. Laura Kinsman

Savron

Dr. Steve Becker

SciDev

Dr. Shaily Mahendra

University of California,
Los Angeles

Dr. Rainer Lohmann

University of Rhode Island

Dr. Dan Bryant

Woodard and Curran

STUDENT PROGRAM JUDGES

Mr. Jeffrey McDonough

CDM Smith

Dr. Zekun Liu

Claros Technologies

Mr. John McNally

Clean Harbors

Dr. Shilai Hao

Colorado School of Mines

Mr. Robert Angius

ECT2

Dr. Mahsa Shayan

Geosyntec

Mr. Calvin Leong

GSI

Dr. Jason Hnatko

Allonnia

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STUDENT PROGRAM COMPETITION

Banani Bonny, Ohio University

Comparative Study of Arsenic Adsorption: AMD-Recovered Iron vs. Bayoxide® E33

Juan Donoso, Rice University

Photocatalytically Active Boron Nitride Performs Multi-liter PFAS Mineralization

Oubai Elagab, Stevens Institute of Technology

Fundamentals of Particulate Amendment Transport in Artificially- Induced Hydraulic Fractures for Effective Remediation in Low-Permeability Clay

Krishna Mohan Ganta,

North Carolina State University

Predicting PFAS exposure risks from rural private wells: an integrated mechanistic and machine learning model

Jesus Garcia-Lopez, Eastern Shore

Community College

Thin as Air - Inadequate Air Monitoring on the Eastern Shore and the United States as a Whole

Nishi Gondhiya, Clarkson University

A Low-Cost Portable Solution for Polyfluoroalkyl Substances (PFAS) Screening in Environmental Samples

George Hana, Texas Tech University

Breaking the Thermal Barrier: Controlled Residence Time Reactor for Enhanced Perfluoroalkyl Substances (PFAS) Mineralization at Moderate Temperatures

Emily Jansen, University of Iowa

A Novel Engineered Mixed Microbial Culture for Self-Sustained 1,4-Dioxane Bioremediation

Layla Jones, Eastern Shore Community College

Tires In the Air - Acute and Chronic Exposure to Tire Wear Particles on the Eastern Shore of VA.

Craig Klevan, Brown University

Evaluation of Co-Foaming Agents for Removal of Long and Short-Chain PFAS by Foam Fractionation

Megan Liederbach, University of Alaska Fairbanks

Forever (Frozen?) Chemicals: PFAS Leaching and Remediation in Cold Climates

Farhaneh Maghsoudi, New Jersey

Institute of Technology

Enhancing the hydrophobicity of PFAS using Hydrophobic Ion Pairing (HIP) with cationic surfactants

Tahereh Moghtaderi, Rutgers University

Characterizing PFAS Retention and Saturation Effects in Vadose Zone Soils with Spectral Induced Polarization

Atefeh Nadeali, University of Illinois at Chicago

Electrochemical Oxidation of PFOA Using Indium Oxide-Deposited Magnéli Phase Electrodes: A Novel, Energy-Efficient Strategy for PFAS Remediation

Holden Nelson, Michigan State University

Profiling pollutant provenance with stable isotope analysis of PFAS

Soham Ray, UCLA

From Microbes to Molecules: Multi-omics Approaches to Natural Attenuation of 1,4-Dioxane

Swagotom Sarkar, University of Missouri Kansas City

Quantum yield of Silica Granular Media (SGM) photocatalyst for Perfluorooctanoic acid (PFOA) degradation under 254 nm light and highly alkaline conditions.

Chiara Smorada, Princeton University

Identifying PFAS biodefluorination mechanisms by Acidimicrobium sp. Strain A6

Ori Soker, Colorado School of Mines

Hydrothermal Alkaline Treatment Strategies for Cosolvent Matrices Contaminated with Per- and Polyfluoroalkyl Substances

Plabon Islam Turzo, University of Nevada, Reno

Thermal Regeneration of PFOS-Laden Granular Activated Carbon: Influence of Carbon Type and Reagent Gas on Decomposition Pathways

Jinyuan Zhu, Clarkson University

Piezoelectric Ball Milling Treatment of PFAS-Laden Spent Resins

Kent Armstrong, TerraStryke Products LLC
The New Era of Bioremediation: Biostimulation, realize consistent and repeatable performance enhancing indigenous microbial populations.

Tyler Brown, Ramboll
Quantifying the Leaching Potential of PFAS from Concrete at Industrial Facility

Randa Coffey & Olivia Mikulencak, Veolia
PFAS Degradation During Hazardous Waste Incineration: A Pilot-Scale Study with Comprehensive Analytical Approach

Curt Cramer, NuQuatic
Field technology demonstration of NuQuatic's Advantage PFAS process for treating AFFF contaminated groundwater and decontamination water and PFAS concentrate destruction

Doug Davenport & Marc Slakmon, Aquatrino, Inc.
Complete Destruction of Complex PFAS Streams at Ambient Conditions

Erin Dietrich, Barr Engineering Co.
Coordinated Residential Drinking Water Response: Field-Tested Strategies for Communication, Analysis, and Treatment

Susan Hastings, Veolia
An Integrated Approach to PFAS: From Discovery to Destruction

Ana Hopper, Trihydro Corporation
In-Situ Bioremediation of 1,4-Dioxane in Mixed Plume with Cycled Anaerobic and Aerobic Metabolic Bioaugmentation and Cometabolism

Frank Marine, VLS Environmental Solutions
Use of Hazardous Waste Injection for AFFF and Other Concentrated PFAS Liquids

Bill McLaren, University of Waterloo
Field-Scale Evaluation of Colloidal Activated Carbon Barriers for PFAS Immobilization

Brian Pinkard, Aquagga, Inc.
Hydrothermal Alkaline Treatment (HALT) for On-site Destruction of Concentrated Residuals from Treatment of PFAS-impacted Groundwater: A Scalable Solution for DoD Site Remediation

Lucas Ribeiro, Geosyntec Consultants
Harnessing Natural Attenuation Processes for Long-Term Management of Chloro-, Nitro- and Amino- Substituted Aromatics Using Molecular Tools

John Sankey, True Blue Technologies
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Chris Scott, Veolia
Mobile Treatment Technologies for Rapid Response to PFAS Contamination

Harvinder Singh, Oneida ESC Group
Conventional and Novel Approaches to Identify/Distinguish PFAS Sources and Evaluate their Fate and Transport

Conor Sullivan, Geosyntec Consultants
Characterization of a Lowstand Calciclastic Deepwater System: Organized Channel Stacking in the Decie Ranch Member, West Texas

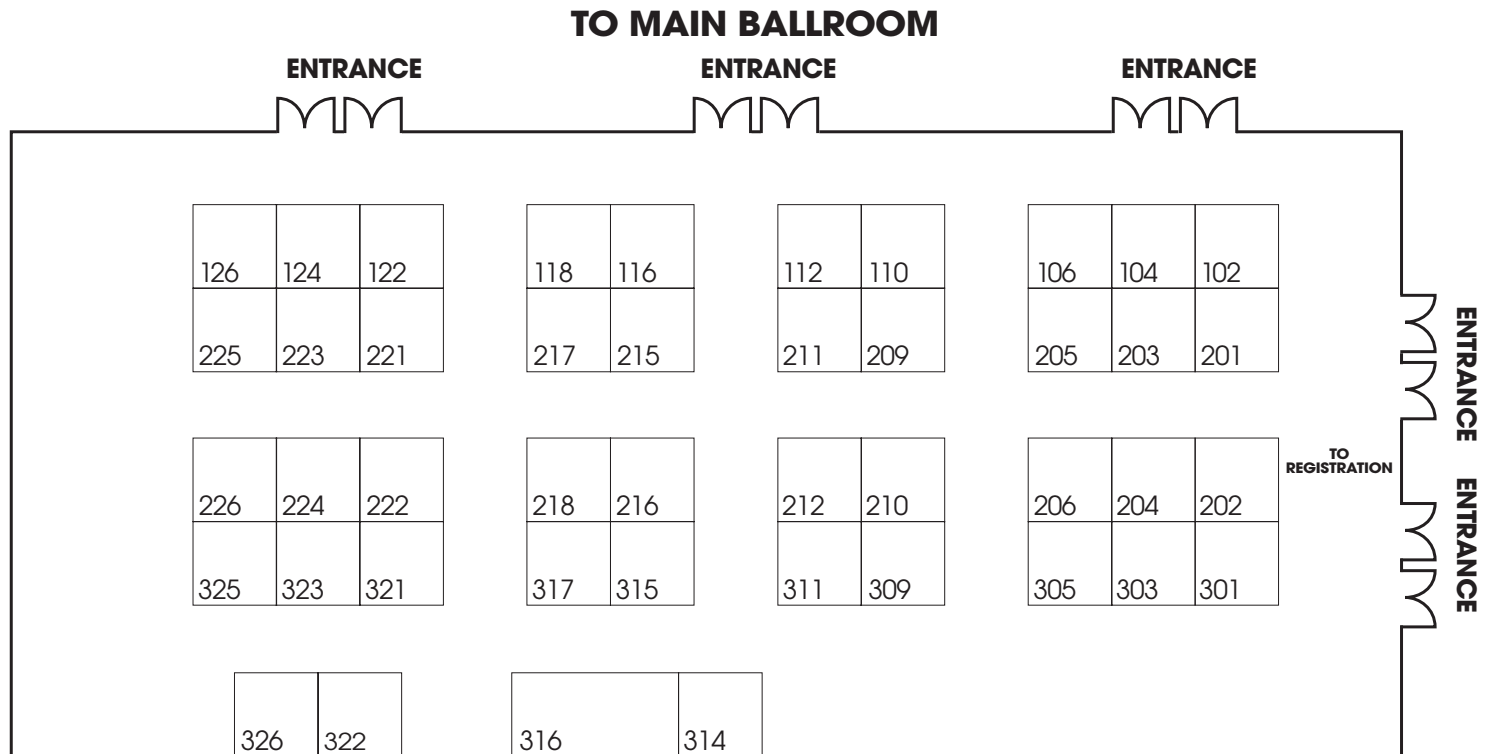
Erica Thieleman, EA Engineering, Science, and Technology, Inc., PBC
Development of a PFAS Vapor Intrusion Guidance Document for Environmental Remediation and Regulatory Professionals

Ed Winner, Remediation Products Inc.
Effective Bioremediation of Chlorinated Ethenes and Aromatics: Build It and They Will Come

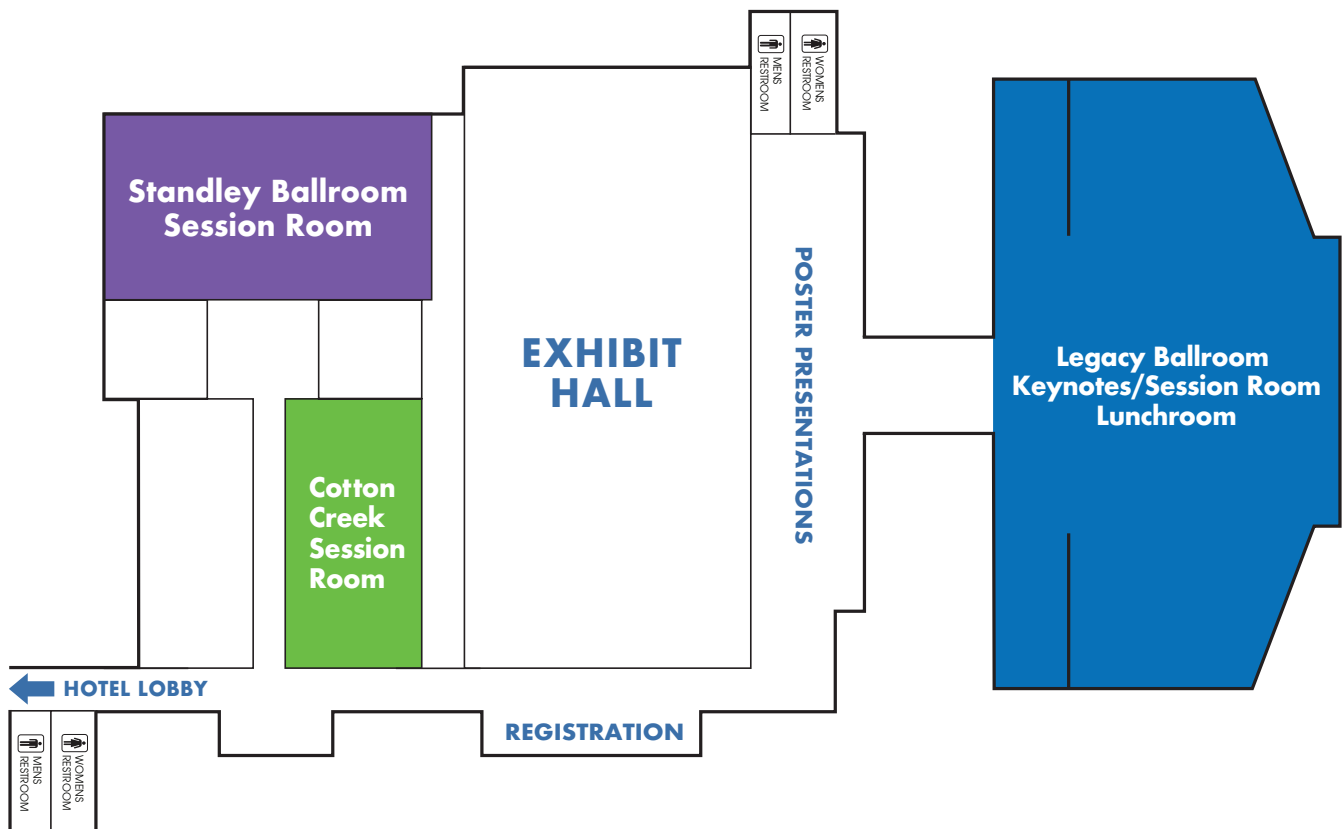
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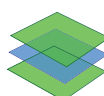
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