



Event: NEIC Environmental Technical Summit Agenda
Location: Denver Federal Center, Building 41, First Floor Conference Room - "Remington Arms"
Date & Time: 5/21/2024 8:00am - 4:30pm (MST)

Early morning coffee connection 8:00am-8:55am @ Building 41 Einstein's Bros Bagels (Floor 1)

Start	End	Time	Topic	Presenter	Virtual (V) or In Person (IP)
9:00 AM	9:05 AM	0:05	Welcome and Introductions,	Laura Scoggins, NETS Committee Chair US EPA-OECA-OCEFT-NEIC-Lab Branch	IP
9:05 AM	9:20 AM	0:15	NEIC Overview	NEIC Director (TBD) US EPA-OECA-OCEFT-NEIC	IP
9:20 AM	9:55 AM	0:35	Measuring Ethylene Oxide Using Cavity Ring-Down Spectroscopy	Christopher Appier US EPA-Region 7-ECAD-AB	IP
9:20 AM	9:55 AM	0:35	Method Validation and Comparison for Ethylene Oxide Monitoring: Laboratory and Mobile Monitoring Studies	Ali Gitipour, Ph.D., Physical Scientist/Engineer EPA-ORD-CEMM-AMCD-CSB	V
9:55 AM	10:00 AM	0:05	Break		
10:00 AM	10:35 AM	0:35	iNOSES: intelligent Nature-inspired Olfactory Sensors Engineered to Snif	Anna Shneidman, Ph.D, Research Associate Harvard University, Paulson School of Engineering and Applied Sciences	IP
10:35 AM	11:10 AM	0:35	The NEIC Geospatial Measurement of Air Pollution (GMAP) Program: Functionalities, current and future	Phillip Myers, PhD, PE US EPA-OECA-OCEFT-NEIC	IP
11:10 AM	12:15 PM	1:05	Lunch		
12:15 PM	1:25 PM	1:10	EPA's Non-Targeted Analysis WebApp: A web-based software tool for production-level NTA	Alex Chao ¹ , Troy M. Ferland ² , Jon R. Sobus ¹ ¹ US EPA-ORD-CCTE-CCED-AACMB ² Oak Ridge Institute for Science & Education	V
1:25 PM	2:00 PM	0:35	Quantification of Poly- and Perfluoroalkyl Substances in Aqueous Film Forming Foam Impacted Soils	Nicholas Gonda, PhD Colorado School of Mines	IP
2:00 PM	2:35 PM	0:35	Site investigations at industrial sources for novel PFAS in water for state, regional, and program office support	Mark Strynar, PhD US EPA-ORD-CEMM	IP
2:35 PM	2:40 PM	0:05	Break		
2:40 PM	3:50 PM	1:10	PFAS determination by LC/MS/MS with direct injection and online SPE: method development, performance, and applications to field studies	James L. Gray USGS Strategic Laboratory Science Branch	IP
3:50 PM	3:55 PM	0:05	Closing Remarks for Day	Bryan Locher, NETS Committee Member US EPA-OECA-OCEFT-NEIC-Lab Branch	IP

*After Conference Social 5:00pm - 8:00pm @ Westrail Tap and Grill
 Trivia starts at 7:00pm!
 195 S. Union Blvd., Lakewood, CO 80228*



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Location:	Denver Federal Center, Building 41, First Floor Conference Room - "Remington Arms"
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Poster Presentations - 8:00am-8:55am <i>During the early morning coffee connection @ Building 41 Einstein's Bros Bagels (Floor 1)</i>			
Affiliation	Poster Title	Presenter	Virtual (V) or In Person (IP)
US EPA, Office of Research and Development (ORD), Center for Environmental Solutions and Emergency Response (CESER)	Decontamination of Plumbing Pipes Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) from Aqueous Film Forming Foams (AFFF)	Jeffrey Szabo, Ph.D., PE	V (IP - TBD)
¹ U.S. Environmental Protection Agency (EPA), Office of Research and Development, Cincinnati, OH, USA ² Oak Ridge Institute for Science and Education (ORISE), Cincinnati, OH, USA ³ Pegasus Technical Services, Inc., Cincinnati, OH, USA	Microplastics in Urban Watersheds Contributors: Dana Tran ² , John Hadynski ² , Dilip Duvvuru ³ , Dylan Shields ³ , Bruce Smith ¹ , Souhail Al-Abed ¹	Phillip Potter ¹	V, IP
U.S. Geological Survey, Laboratory Analytical Services Division, Strategic Laboratory Sciences Branch	Expanding PFAS Analysis Capacity at the U.S. Geological Survey: Bridging the Gap between Known and Unknown PFAS	Juliane Brown, Ph.D.	V, IP
Colorado School of Mines, Chemistry Department, Advisor: Shubham Vyas, PhD.	Atmospheric Oxidation of PFAS: A Density Functional Theory Study	Michael R. Dooley, Ph.D. Candidate	V, IP
Colorado School of Mines, Chemistry Department, Advisor: Shubham Vyas, PhD.	Characterization of Perfluoroalkyl Radical Intermediates: Modeling Spin Trapping and Synthetic EPR Spectra	Isaac Spackman	V, IP

Start	End	Time	Topic	Presenter	Virtual (V) or In Person (IP)
9:00 AM	9:35 AM	0:35	Assessing above-ground fuel storage tanks using lower-cost sensor packages and triggered canister samples: a case study in Greensboro, NC	Wyatt Champion, Ph.D. US EPA-ORD-CEMM-AMCD-SFSB	IP
9:35 AM	10:10 AM	0:35	EPA Wildfire Research: Impacts on Air and Water Quality	James Markwiese, Ph.D. US EPA-ORD-CPHEA-PESD	V
10:10 AM	10:45 AM	0:35	Assessing potential discharges and associated risk from CWA hazardous substance facility releases in managing impacts to drinking water supplies	Fran Kremer, Ph.D., Antony Williams, Ph.D., Jason Lambert, Ph.D., Jace Cuje US EPA-ORD	V
10:45 AM	10:50 AM	0:05	Break		
10:50 AM	11:25 AM	0:35	Risky Business: Incorporating the Process of Risk Assessment into Enforcement	Kristen Keteles, Ph.D. US EPA-OECA-OCEFT-NEIC	IP
11:25 AM	12:00 PM	0:35	Applying Cheminformatics to Develop a Structure Searchable Database of Analytical Methods	Antony Williams, Ph.D. ¹ , Greg Janesch ² , Erik Carr ³ , Sakuntala Sivasupramaniam ¹ , Nancy Baker, Ph.D. ⁵ ¹ US EPA-ORD-CCTE-CCED-CCCB ² US EPA-ORD-ORM-EMD-CMB ³ US EPA-ORD-CCTE-CCED-CCCB ⁴ US EPA-NCCT/IO • ORD-CCTE-CCED-CCCB ⁵ US EPA-ORD-CCTE-BCTD	V
12:00 PM	1:00 PM	1:00	Lunch		
1:00 PM	1:35 PM	0:35	Pesticides in Food? Tasty but Deadly.	Dan Myers, Chemist US EPA-OECA-OC-MAMPD-PWTB-GLP Program	IP
1:35 PM	2:10 PM	0:35	Using Drone Technology for Site Assessment, a Case Study	Kathleen Maltby, M.S. & Debby Crouse, Sr. GIS Analyst, FAA Part 107 Pilot Arizona Department of Environmental Quality, Solid Waste Unit	V
2:10 PM	3:15 PM	1:05	"Five Years of e-Manifest: Scaling RCRA Compliance Using Integrated Data Analytics"	William Nicholas US EPA-OLEM-ORCR-PIID	V
3:15 PM	3:20 PM	0:05	Break		
3:20 PM	3:55 PM	0:35	Smart Tools for Inspectors	Loren Denton, Ph.D. ¹ & Cornell Gayle, PE, Engineer ² US EPA-OECA-OC-MAMPD Director ¹ & CWA NPDES Inspector ²	IP
3:55 PM	4:30 PM	0:35	Understanding PFAS Toxicity in Estuarine Environments <i>Additional Authors: Paul Pennington, Ph.D., Pete Key, Ph.D., and Marie DeLorenzo, Ph.D.</i>	Ed Wirth, Ph.D., Phil Tanabe, Ph.D. NOAA/National Ocean Service/National Centers for Coastal Ocean Science; Charleston, SC	V
4:30 PM	5:05 PM	0:35	Thermal Treatment of PFAS-laden Materials	Phillip Potter US EPA-ORD-CESER-LRDT-IRSB	IP
5:05 PM	5:10 PM	0:05	Closing Remarks - Thank you	Megan Weaver, NETS Committee Member US EPA-OECA-OCEFT-NEIC-IPS Branch	IP