

# SYMPOSIUM SPONSORS



# **Agilent Technologies**



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# WELCOME

The 2020 Environmental Measurement Symposium, which is typically the combined meeting of the Forum on Environmental Accreditation and the National Environmental Monitoring Conference (NEMC), will be held as a virtual event this year and will focus on the technical presentations of the NEMC portion of the meeting. The Symposium is co-sponsored by The NELAC Institute (TNI) under cooperative agreement with the U.S. Environmental Protection Agency (USEPA). This year, the Symposium's theme is "The Environment in 2020: Past, Present and Future." Some of the highlights for the week include::

- A Technical Program featuring over 130 oral presentations, a special half-day general session with a keynote speaker focused
  on the conference theme and updates from EPA program offices, two special keynote lunch presentations on the conference
  theme, and 6 vendor luncheon presentations,
- A Virtual Poster Session with 39 poster presentations,
- A Virtual Exhibit Program showcasing the latest innovations in environmental monitoring, and
- An Innovative New Technology Showcase.

For detailed information, visit the website at https://nemc.us.

# The Benefits of Attending

All Symposium attendees have the valuable opportunity to share new monitoring approaches and technologies and contribute to discussions regarding regulatory issues and initiatives. As an attendee, you are able to:

- Obtain the information you need to better plan for future capital purchases, research, and staffing levels;
- Learn how to save time and money when performing sampling and analysis techniques;
- Improve the quality and efficiency of your analyses; and
- Learn about new technologies and regulations.

#### What is the NEMC?

The National Environmental Monitoring Conference (NEMC) is the largest conference focused on environmental measurements in North America! The conference brings together scientists and managers from federal and state agencies, the regulated community, academia, and laboratory and engineering support communities. NEMC features presentations, posters, training, exhibits, and networking opportunities.

The technical program is organized by a committee of environmental experts from government, academia, and private industry to bring together a balance of technical and policy topics for each year's symposium that are of interest to all. The conference was initiated in 1985 as part of EPA's efforts to foster a partnership among the Agency, the regulated community, the public, state regulatory agencies, and the other members of the monitoring community.

For more information, go to https://nemc.us or @nemcus #NEMC2020.







The NEMC Technical Program is organized into 31 breakout sessions in four separate tracks, a plenary session, and 8 luncheon presentations. Attendees have the ability to view each presentation live or view a recorded version that will be made available shortly after the presentation. Registration is by specific track or by full conference. All times are Eastern Daylight Time. The plenary session, lunch speakers, poster session, and Innovative New Technology Showcase are included with any registration. Be sure to check <a href="https://nemc.us">https://nemc.us</a> for session details.

# **POSTER SESSIONS**

August 3 and August 21, 2020

Visit the Poster Session on the 2020 NEMC Conference website between **August 3 and August 21, 2020** to view and comment on over 40 virtual posters. Presenters will be available during each week to respond to comments on their posters!

# INNOVATIVE NEW TECHNOLOGY SHOWCASE

Thursday, August 13, 2020 3:15 – 4:45 pm (EDT)

The Innovative New Technology Showcase allows up to twelve (12) organizations to showcase innovative new technologies such as sensors, sampling devices, personal monitoring devices, and other new or innovative approaches to environmental monitoring.

The Showcase will feature:

- · A five-minute virtual presentation for all those attending the Showcase to hear about each technology; and
- A virtual Q & A session with attendees following the presentations.

# ANALYTICAL CHEMISTRY TRACK

#### All times are Eastern Daylight Time

# Monday, August 3

9:55 - 10:00	Welcome to NEMC 2020		
10:00 - 12:15	Advances in High Resolution Mass Spectrometry and its Emerging Environmental Applications		
12:30 - 1:15	Keynote Lunch Presentation		
	Present at the Creation:		
	The 50-year Evolution Environmental Instrumentation and Methodology		
	Dave Kennedy, Phenomenex		
1:30 - 3:30	Challenges and Opportunities for Solid Phase Extraction		

# Tuesday, August 4

10:00 - 12:15	Air Methods, Monitoring and Technology (Session 1)
12:15 - 1:00	Lunch Break
1:00 - 4:45	Air Methods, Monitoring and Technology (Session 2)

#### Wednesday, August 5

10:00 - 12:30	Plenary Session		
	• The Environment in 2020: Past, Present, and Future		
	<ul> <li>EPA Clean Water Act (CWA) Methods Activities</li> </ul>		
	<ul> <li>Safe Drinking Water Act (SDWA) Updates and Current Activities</li> </ul>		
	EPA's SW-846 Methods Program: Current Activities and Path Forward		
12:30 - 1:15	Lunch Break		
1:15 - 5:00	Drinking Water		

# Thursday, August 6

10:00 - 12:15	Wet Chemistry Automation (Session 1)
12:30 - 1:15	Lunch Presentation:
	A History of EPA Regulations and
	How They Created the Environmental Testing Industry
	Jerry Parr, The NELAC Institute, and
	Judy Morgan, Pace Analytical

1:30 – 3:30 Wet Chemistry Automation (Session 2)

# Friday, August 7

10:00 - 12:15	<b>Environmental Forensics</b>
12:15 - 1:00	Lunch Break
1:00 - 4:15	Metals Analysis and Remediation

#### ENVIRONMENTAL MONITORING TRACK

#### All times are Eastern Daylight Time

# Monday, August 10

9:55 - 10:00	Welcome to NEMC 2020
10:00 - 12:45	50 Years of Progress in Environmental Monitoring
12:45 - 1:30	Lunch Break
1:30 - 3:00	Advances in Field Sampling, Measurement, and Sensor Technologies
3:15 - 4:45	Shale Oil and Gas

# Tuesday, August 11

10:00 - 12:15	Academic Research Topics in Environmental Measurement and Monitoring
12:15 - 1:00	Lunch Break
1:00 - 3:00	Citizen Science
3:15 - 4:45	Current Topics in Microbiology

#### Wednesday, August 12

10:00 - 12:15	Collaborative Efforts	to Improve Environmer	ntal Monitoring	(Session 1)

12:30 – 1:00 Lunch Presentation:

Microplastics Analysis: Simplified Workflows for
Comprehensive Characterization in the Environment
Dr. Jeff Prevatt, PIMA County Wastewater Reclamation Dept.,
and Dr. Tarun Anumol, Agilent Technologies

1:15 – 4:30 Collaborative Efforts to Improve Environmental Monitoring (Session 2)

# Thursday, August 13

10:00 - 12:15	New Organic N	Aonitoring Techniqu	es (Session 1)
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12:30 – 1:15 Lunch Presentation:

Analysis of Underivatized Glyphosate and Other
Polar Contaminants by LC-MS/MS
Restek Corporation



**Agilent Technologies** 

1:30 – 3:00 New Organic Monitoring Techniques (Session 2)

3:15 – 4:45 Innovative New Technology Showcase

# LABORATORY OPERATIONS AND MANAGEMENT TRACK

#### All times are Eastern Daylight Time

#### Friday, August 14

9:55 – 10:00 Welcome to NEMC 2020 10:00 – 11:45 Identifying and Combatting Inappropriate Laboratory Practices 12:30 – 1:15 Lunch Presentation

> Discover Innovative Solutions for the Environment in 2020 Shimadzu Scientific Instruments



1:30 – 4:15 Public and Private Environmental/ Public Health Laboratory Partnerships

#### Monday, August 17

10:00 – 12:45 Best Management Practices for Environmental Laboratories

1:00 – 1:30 Lunch Presentation

Leveraging Instrument Sensitivity - Customers, Laboratories, and Regulators Benefiting From Evolving Lab Practices
Brian Pike, Pace Analytical IDEA Laboratory, and Agilent Technologies

**Agilent Technologies** 

1:45 – 4:30 Building Consensus Methods to Support Environmental Laboratories

# Tuesday, August 18

10:00 – 12:15 Laboratory Informatics

12:30 – 1:15 Lunch Presentation

What Else or What is Next After Dioxins?

Coreen Hamilton, SGS-AXYS, and

Waters Corporation

Waters
THE SCIENCE OF WHAT'S POSSIBLE.\*\*

1:30 – 4:45 Data Quality, Management, and Review

### Wednesday, August 19

10:00 – 11:30 Operational and Advocacy Issues Impacting the Environmental Laboratory Industry

12:15 – 1:00 Lunch Presentation



# PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) TRACK

#### All times are Eastern Daylight Time

# Wednesday, August 19

1:25 - 1:30	Welcome to NEMC 2020
1:30 - 4:45	Polyfluoroalkyl Substances (PFAS) in the Environment (Session 1)

### Thursday, August 20

10:00 - 12:45	Polyfluoroalkyl Substances (PFAS) in the Environment (Session 2)
12:45 - 1:30	Lunch Break
1:30 - 4:15	Polyfluoroalkyl Substances (PFAS) in the Environment (Session 3)

# Friday, August 21

10:00 - 12:45	Polyfluoroalkyl Substances (PFAS) in the Environment (Session 4)
12:45 - 1:30	Lunch Break
1:30 - 4:15	Polyfluoroalkyl Substances (PFAS) in the Environment (Session 5)

# KEYNOTE LUNCHEON PRESENTATIONS

#### All times are Eastern Daylight Time

Monday, August 3, 12:30 – 1:15

Present at the Creation: The 50-year Evolution Environmental Instrumentation and Methodology

Dave Kennedy, Phenomenex

Thursday, August 6, 12:30 – 1:15

A History of EPA Regulations and How They Created the Environmental Testing Industry

Jerry Parr, The NELAC Institute, and

Judy Morgan, Pace Analytical

Wednesday, August 12, 12:30 – 1:00

Microplastics Analysis: Simplified Workflows for Comprehensive Characterization in the Environment Dr. Jeff Prevatt, PIMA County Wastewater Reclamation Dept and Dr. Tarun Anumol, Agilent Technologies

Thursday, August 13, 12:30 – 1:15

Analysis of Underivatized Glyphosate and Other Polar Contaminants by LC-MS/MS

Restek Corporation

Friday, August 14, 12:30 – 1:15

Discover Innovative Solutions for the Environment in 2020 Shimadzu Scientific Instruments

Monday, August 17, 1:00 – 1:30

Leveraging Instrument Sensitivity: Customers, Laboratories, and Regulators
Benefiting From Evolving Lab Practices
Brian Pike, Pace Analytical IDEA Laboratory, and Agilent Technologies

Tuesday, August 18, 12:30 – 1:15

What Else or What is Next After Dioxins?

Coreen Hamilton, SGS-AXYS, and

Waters Corporation

Wednesday, August 19, 12:15 – 1:00

New Product: Determination of Per- and Polyfluorinated Alkyl Substances (PFAS) in Drinking Water using Automated Solid-phase Extraction and LC-MS/MS

ThermoFisher Scientific

# **EXHIBITORS**

# (Preliminary List)

**Agilent Technologies** 

**Biotage** 

**CEM Corporation** 

**CTL Scientific** 

**DSP Systems** 

**Environmental Express** 

ERA, A Waters Company

FIAlab Instruments, Inc.

GFS Chemicals, Inc.

HORIZON Lab Systems, LLC

**INFICON** 

International Accreditation Service, Inc.

LGC Standards

**MACHEREY-NAGEL** 

ManSci, Inc.

Markes International

Metrohm USA

MilliporeSigma

**PerkinElmer** 

Phenomenex

Phenova, A Phenomenex Company

**PRōMIUM** 

Qualtrax, Inc.

**Restek Corporation** 

SampleServe, Inc.

SEAL Analytical, Inc.

Shimadzu Scientific Instruments

Skalar, Inc.

**SUEZ-Sievers Instruments** 

Teledyne Tekmar

Teledyne Leeman Labs

**Teledyne CETAC Technologies** 

ThermoFisher Scientific

**Timberline Instruments** 

UCT, Inc.

Waters Corporation

Wellington Laboratories

Visit our Virtual Exhibit Hall filled with instrument manufacturers, laboratory suppliers, LIMS providers, and other laboratory service providers. See the latest developments in measurement technology, proficiency testing, sample preparation, and laboratory automation.

# **Virtual Exposition Dates**

August 3 – August 21

For more information about exhibiting, contact the NEMC Exhibit Coordinator

Joel Holtz

joel.holtz@nelac-institute.org

# **CONFERENCE REGISTRATION**

To Register, go to <a href="https://iattend.net/EventHome?id=ems20">https://iattend.net/EventHome?id=ems20</a>

You can register on-line or complete the registration form below and send it to

The NELAC Institute PO Box 2439 Weatherford, TX 76086 FAX: 817-423-6777 Phone: 817-598-1624

Email: suzanne.rachmaninoff@nelac-institute.org

# **REGISTRATION FORM**

National Environmental Monitoring Conference / August 3 – 21, 2020

Name:			Classification Pick the Category that best describes your organization	
Organization:			☐ Academic	
Address:			☐ Engineering or Consulting Firm	
			☐ Government Agency (non-laboratory)	
City:	State:		☐ Laboratory, Commercial	
Zip:Country:		☐ Laboratory, Government (Municipal, State, Federal)		
Telephone:			Regulated Industry	
			☐ Vendor/Supplier (LIMS Providers, PT Providers, etc.)	
Email:			Other	
TRACK				Full Conference
Analytical Chemistry			□ \$100	
Environmental Monitoring				□ \$100
Laboratory Operations and Management				□ \$100
Per and poly fluorinated substances (PFAS)				□ \$100
Register me for all four tracks			□ \$300	
*Notes: Registration for any track includes access to all keynote, plenary, lunch and poster				
presentations, the Virtual Exhibit Hall, and the Innovative New Technology Showcase.				
Payment Options			Send Payment & Registration to:	
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Print name as it appears on the card			suzanne.rachmaninoff@nelac-institute.org	
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