



Program Summary

August 22-26, 2021

*Virender Sharma, ENVR Fall Program Chair; Christie Sayes, ENVR Assistant Fall Program Chair
Souhail Al-Abed, Division Chair*

All times are Eastern Time Zone (USA). Oral sessions will not be recorded, but individual presentations may be available on demand at the discretion of the presenters. Posters will be available on demand August 22 – September 30.

Three types of ENVR oral sessions are offered:

Hybrid: Sessions will be held in meeting rooms in the Georgia World Convention Center (GWCC) and within the virtual meeting platform. Presenters will be both in-person and virtual. Interactive question and answer times will include the in-person and virtual audiences.

In Person: These sessions will be held in meeting rooms in the Georgia World Convention Center (GWCC) and will have in-person presenters and presiders. There will be no virtual participation options available for these sessions.

Virtual: Sessions will be held virtually accessed via the virtual meeting platform. All attendees and presenters will participate virtually and will be visible with interactivity available via chat function.

ENVR posters were divided by presenter preference into virtual sessions, Tuesday 7-9 pm, and in-person sessions, Wednesday 7-9 pm. In virtual poster sessions, each presenter will be located with their poster in separate break-out rooms. Attendees may move between rooms to view and discuss posters.

NETWORKING EVENTS

Join ENVR colleagues in Atlanta each day for **Coffee & Conversation**, Sunday-Thursday, 4:00 PM - 4:30 PM, Rm B409 (Georgia World Congress Center). Financially supported by Agilent, ES&T Journal, ES&T Letters.

Meet the 2021 C.E. Gonter Graduate Student Award winners at the **Gonter Awards Reception** in Rm B201 (Georgia World Congress Center), 6:30-7:00 pm, Tuesday, August 24.

TECHNICAL SESSIONS

Advanced Oxidation Processes: Progress & Challenges

Organizers: Daisuke Minakata, Dionysios Dionysiou, Virender Sharma

Oxidation Processes

Tuesday 8/24/2021, 8:00 AM - 10:00 AM, Oral - In-person

B401 (Georgia World Congress Center)

Oxidation and Reduction Processes

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - In-person
B401 (Georgia World Congress Center)

Tuesday 8/24/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 35 (Virtual Room)

Advancements

Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - Virtual
Zoom Room 35 (Virtual Room)

Tuesday 8/24/2021, 7:00 PM - 8:00 PM, Oral - Virtual
Zoom Room 35 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

Advances in Chemical Oxidative Processes for Emerging Contaminants in Water & Wastewater

Organizers: Olivier Lefebvre, Ching-Hua Huang, Xiaohong Guan

Photochemical Methods

Sunday 8/22/2021, 10:30 AM - 12:30 PM, Oral - Virtual
Zoom Room 30 (Virtual Room)

Electrochemical Methods

Sunday 8/22/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 32 (Virtual Room)

Electrochemical Methods

Sunday 8/22/2021, 4:30 PM - 6:30 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)

Photochemical Methods

Sunday 8/22/2021, 7:00 PM - 9:00 PM, Oral - Virtual
Zoom Room 34 (Virtual Room)

Ferrates and Chemical Methods

Monday 8/23/2021, 8:00 AM - 9:45 AM, Oral - In-person
B401 (Georgia World Congress Center)

Electrochemical and Photochemical Methods

Monday 8/23/2021, 10:30 AM - 12:30 PM, Oral - In-person
B401 (Georgia World Congress Center)

Ozonation

Monday 8/23/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 34 (Virtual Room)

Ferrates and Fenton

Monday 8/23/2021, 4:30 PM - 6:30 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

Circularity Challenges & Advances in Plastics Recycling

Cosponsored by COMSCI

Organizers: John Glaser, Endalkachew Sahle Demessie

Thursday 8/26/2021, 8:00 AM - 10:00 AM, Oral - In-person

B401 (Georgia World Congress Center)

Thursday 8/26/2021, 10:30 AM - 12:30 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Current Perspectives in Environmental Science

Organizers: Virender Sharma, Christie Sayes

Monday 8/23/2021, 10:30 AM - 12:30 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Monday 8/23/2021, 2:00 PM - 4:00 PM, Oral - In-person

B401 (Georgia World Congress Center)

Monday 8/23/2021, 7:00 PM - 9:00 PM, Oral - Virtual

Zoom Room 39 (Virtual Room)

Current Perspectives in Perfluorinated Chemicals: Fate & Behavior

Organizers: Hui Peng, Carla Ng

Monday 8/23/2021, 10:30 AM - 12:20 PM, Oral - Virtual

Zoom Room 39 (Virtual Room)

Monday 8/23/2021, 2:00 PM - 3:30 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Monday 8/23/2021, 4:30 PM - 6:20 PM, Oral - In-person

B402 (Georgia World Congress Center)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Current Perspectives in Water Reuse & Recycling

Organizers: Jiaqi (Vicky) Liu

Challenges, Opportunities, and Technologies in Water Reuse

Sunday 8/22/2021, 10:30 AM - 12:30 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Challenges, Opportunities, and Technologies in Water Reuse

Sunday 8/22/2021, 2:00 PM - 4:00 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

Characterization, Control and Removal of Micropollutants

Sunday 8/22/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 39 (Virtual Room)

Characterization, Control and Removal of Micropollutants

Sunday 8/22/2021, 7:00 PM - 9:00 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Current Progress in Emission Control Catalysis

Organizers: Pranaw Kunal, Todd Toops

Tuesday 8/24/2021, 2:00 PM - 4:00 PM, Oral - In-person

B402 (Georgia World Congress Center)

Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Development of Sustainable Household Water Treatment

Organizers: Yang Deng, Yin Wang

Thursday 8/26/2021, 2:00 PM - 3:35:00 PM, Oral - Virtual

Zoom Room 30 (Virtual Room)

Thursday 8/26/2021, 4:30 PM - 6:05:00 PM, Oral - Virtual

Zoom Room 30 (Virtual Room)

Thursday 8/26/2021, 7:00 PM - 8:55:00 PM, Oral - Virtual

Zoom Room 01 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Disinfection Byproducts in Drinking Water & Wastewater: Detection, Formation & Control

Organizers: Xin Yang, Paul Westerhoff, Susan Richardson, Chii Shang

Sunday 8/22/2021, 8:00 AM - 10:00 AM, Oral - In-person

B401 (Georgia World Congress Center)

Sunday 8/22/2021, 10:30 AM - 12:30 PM, Oral - In-person

B401 (Georgia World Congress Center)

Sunday 8/22/2021, 2:00 PM - 3:50 PM, Oral - In-person

B401 (Georgia World Congress Center)

Sunday 8/22/2021, 4:30 PM - 6:20 PM, Oral - In-person

B401 (Georgia World Congress Center)

Sunday 8/22/2021, 7:00 PM - 9:00 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

Monday 8/23/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Monday 8/23/2021, 7:00 PM - 9:00 PM, Oral - Virtual

Zoom Room 37 (Virtual Room)

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - Virtual

Zoom Room 32 (Virtual Room)
Tuesday 8/24/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)
Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)
Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Oral - Virtual
Zoom Room 01 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual
Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

**Ecosystems, Water & Food Security in a Changing World: Challenges & Solutions in Arid Regions
Sustainability of Ecosystem, Water and Food Security**

Cosponsored by: GEOC

Organizers: Bader Al Enizi, Meshal Abdullah, Souhail Al-Abed

Sunday 8/22/2021, 10:30 AM - 12:20 PM, Oral - Virtual
Zoom Room 31 (Virtual Room)
Sunday 8/22/2021, 2:00 PM - 3:50 PM, Oral - Virtual
Zoom Room 33 (Virtual Room)
Sunday 8/22/2021, 4:30 PM - 6:20 PM, Oral - Virtual
Zoom Room 37 (Virtual Room)
Monday 8/23/2021, 7:00 PM - 8:50 PM, Oral - Virtual
Zoom Room 38 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Electrified Water Treatment Processes

Organizers: Xing Xie, Marta Hatzell, Shihong Lin, William Tarpeh

Tuesday 8/24/2021, 2:00 PM - 4:00 PM, Oral - In-person
B401 (Georgia World Congress Center)
Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - In-person
B402 (Georgia World Congress Center)
Wednesday 8/25/2021, 8:00 AM – 10:00 AM, Oral - In-person
B401 (Georgia World Congress Center)
Wednesday 8/25/2021, 10:30 AM - 12:30 PM, Oral - In-person
B401 (Georgia World Congress Center)
Wednesday 8/25/2021, 2:00 PM - 4:00 PM, Oral - In-person
B402 (Georgia World Congress Center)
Wednesday 8/25/2021, 4:30 PM - 6:30 PM, Oral - In-person
B402 (Georgia World Congress Center)
Thursday 8/26/2021, 10:30 AM - 12:30 PM, Oral - Virtual
Zoom Room 34 (Virtual Room)
Thursday 8/26/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 31 (Virtual Room)

Thursday 8/26/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 31 (Virtual Room)

Thursday 8/26/2021, 7:00 PM - 8:25:00 PM, Oral - Virtual

Zoom Room 11 (Virtual Room)

Posters

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Environmental Analysis: Current Advances & Challenges

Cosponsored by ANYL

Organizers: Aleksandar Goranov, Sasha Wagner, David Podgorski, Phoebe Zito

Mass Spectrometry Method Development

Thursday 8/26/2021, 10:30 AM - 12:20 PM, Oral - In-person

B402 (Georgia World Congress Center)

Mass Spectrometry Applications

Thursday 8/26/2021, 2:00 PM - 3:50 PM, Oral - In-person

B402 (Georgia World Congress Center)

Spectroscopy

Thursday 8/26/2021, 4:30 PM - 6:20 PM, Oral - In-person

B401 (Georgia World Congress Center)

Separations and Electrochemistry

Thursday 8/26/2021, 7:00 PM - 8:50 PM, Oral - Virtual

Zoom Room 10 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Environmental Health & Toxicology

Organizers: Christie Sayes, Carsten Prasse

Wednesday 8/25/2021, 8:00 AM - 10:00 AM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Wednesday 8/25/2021, 10:30 AM - 12:30 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Wednesday 8/25/2021, 2:00 PM - 3:40 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Wednesday 8/25/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

General Papers

Organizers: Virender Sharma, Christie Sayes

Sunday 8/22/2021, 4:30 PM - 6:20 PM, Oral - In-person

B402 (Georgia World Congress Center)

Monday 8/23/2021, 4:30 PM - 6:20 PM, Oral - In-person

B401 (Georgia World Congress Center)

Wednesday 8/25/2021, 10:30 AM - 12:40 PM, Oral - In-person

B402 (Georgia World Congress Center)

General Posters

Organizers: Virender Sharma, Christie Sayes

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Gonter Graduate Student Award Symposium

Organizer: Kevin O'Shea

Tuesday 8/24/2021, 2:00 PM - 3:40 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Tuesday 8/24/2021, 4:30 PM - 6:10 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

***Please join us for the C.E. Gonter Awards Reception following the symposium, Rm B201 (Georgia World Congress Center). All ENVR members and guests are welcome.*

Innovative Materials for Environmental Sustainability

Organizers: Rafael Luque, Alexander Orlov

Novel Adsorbents

Sunday 8/22/2021, 8:00 AM - 10:00 AM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Novel Adsorbents

Sunday 8/22/2021, 10:30 AM - 12:20 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Novel Adsorbents, Catalysts and Membranes

Sunday 8/22/2021, 2:00 PM - 3:55:00 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

Novel Adsorbents and Membranes

Sunday 8/22/2021, 4:30 PM - 6:05:00 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Novel Oxidants and Catalysts

Monday 8/23/2021, 10:30 AM - 12:30 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Novel Approaches to Sustainability

Monday 8/23/2021, 2:00 PM - 3:30 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Novel Approaches to Sustainable Materials

Monday 8/23/2021, 4:30 PM - 6:20 PM, Oral - Virtual

Zoom Room 39 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Microplastics & Nanoplastics: Fate & Behavior

Cosponsored by GEOC, PMSE

Organizers: Xingmao (Samuel) Ma, Souhail Al-Abed, Phillip Potter

Tuesday 8/24/2021, 8:00 AM - 9:45:00 AM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

Tuesday 8/24/2021, 7:00 PM - 8:40 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Mössbauer Spectroscopy from Magnetic Nanoarchitectures to Environmental Science: A Symposium in Honor of Dr. Jean-Marc Greneche

Organizers: Tetsuaki Nishida, Zoltan Homonnay, Xuning Li, Karen Garcia

Thursday 8/26/2021, 10:30 AM - 12:20 PM, Oral - Virtual

Zoom Room 32 (Virtual Room)

Wednesday 8/25/2021, 10:30 AM - 12:25:00 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Wednesday 8/25/2021, 2:00 PM - 4:00 PM, Oral - Virtual

Zoom Room 33 (Virtual Room)

Wednesday 8/25/2021, 4:30 PM - 6:10 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Nanoparticle Interactions in Environmental Systems

Cosponsored by GEOC

Organizers: Arturo Keller, Adeyemi Adeleye

Sunday 8/22/2021, 8:00 AM - 9:55:00 AM, Oral - In-person

B402 (Georgia World Congress Center)

Sunday 8/22/2021, 10:30 AM - 12:25:00 PM, Oral - In-person

B402 (Georgia World Congress Center)

Sunday 8/22/2021, 2:00 PM - 3:30 PM, Oral - In-person

B402 (Georgia World Congress Center)

Monday 8/23/2021, 7:00 PM - 8:55:00 PM, Oral - Virtual
Zoom Room 40 (Virtual Room)

Tuesday 8/24/2021, 7:00 PM - 8:50 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

Natural Organic Matter: Fate & Characterization

Organizers: Joel Pedersen, Vernando Rosario, Weihua Song, Yang Deng, Michael Gonsier

Wednesday 8/25/2021, 2:00 PM - 3:50 PM, Oral - In-person
B401 (Georgia World Congress Center)

Wednesday 8/25/2021, 4:30 PM - 6:20 PM, Oral - In-person
B401 (Georgia World Congress Center)

Wednesday 8/25/2021, 7:00 PM - 8:50 PM, Oral - Virtual
Zoom Room 34 (Virtual Room)

Reactivity of Biochar & its Modification

Cosponsored by CARB, GEOC

Organizers: Bo Pan, Jörg Rinklebe, Patryk Oleszczuk, Baoshan Xing

Tuesday 8/24/2021, 8:00 AM - 9:50 AM, Oral - In-person
B402 (Georgia World Congress Center)

Tuesday 8/24/2021, 10:30 AM - 12:20 PM, Oral - In-person
B402 (Georgia World Congress Center)

Tuesday 8/24/2021, 7:00 PM - 8:45:00 PM, Oral - Virtual
Zoom Room 37 (Virtual Room)

Wednesday 8/25/2021, 7:00 PM - 8:50 PM, Oral - Virtual
Zoom Room 35 (Virtual Room)

Posters

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

Role of Nitrogen-Containing Compounds in Formation & Transformation of Ambient Aerosols: Past, Present, & Future

Cosponsored by AGRO

Organizers: Chong Qui, Jun Zheng, Yuan Wang

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - Virtual
Zoom Room 34 (Virtual Room)

Tuesday 8/24/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 37 (Virtual Room)

Tuesday 8/24/2021, 4:30 PM - 6:30 PM, Oral - In-person
B401 (Georgia World Congress Center)

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Oral - Virtual
Zoom Room 20 (Virtual Room)

Sci-Mix

Sci-Mix is a large meeting-wide poster event, including poster and oral selections from among the best ENVR abstracts requesting participation in Sci-Mix.

Organizer: Virender Sharma

Monday 8/23/2021, 8:00 PM - 10:00 PM, Sci-Mix - In-person

Hall B4 (Georgia World Congress Center)

Monday 8/23/2021, 8:00 PM - 10:00 PM, Sci-Mix - Virtual

Sustainable Agriculture & Food Systems

Cosponsored by AGRO

Organizers: Evan Braswell

Wednesday 8/25/2021, 2:00 PM - 3:30 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

Wednesday 8/25/2021, 4:30 PM - 6:20 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Toward Creating a Water-Energy-Food Nexus Community of Practice: Symposium in Honor of Professor Rabi H. Mohtar

Cosponsored by AGRO, ENFL

Organizers: Bassel Daher, Virender Sharma, Christie Sayes, Chrysi Laspidou, Hyunook Kim

Opening Plenary

Monday 8/23/2021, 10:30 AM - 12:00 PM, Oral - Virtual

Zoom Room 38 (Virtual Room)

State of the Art Models and Approaches

Monday 8/23/2021, 2:00 PM - 4:00 PM, Oral - Virtual

Zoom Room 36 (Virtual Room)

WEF Nexus Initiatives and Case Studies

Monday 8/23/2021, 4:30 PM - 6:30 PM, Oral - Virtual

Zoom Room 38 (Virtual Room)

WEF Governance and Stakeholder Engagement: In honor of Professor Kent Portney

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

Chemical Processes and the Water-Energy-Food Nexus

Tuesday 8/24/2021, 2:00 PM - 3:40 PM, Oral - Virtual

Zoom Room 38 (Virtual Room)

WEF Education, Community and Practice

Wednesday 8/25/2021, 10:30 AM - 12:15:00 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

Toxicity Assessment & Removal of "Forever Chemicals" in Environmental Matrices & Chemical Approaches for the Sustainment of Environmental Resiliency

Organizers: Nancy Kelley-Loughnane, Manoj Kolel-Veetil, Mallikarjuna Nadagouda, Manoj Shukla, Christie Sayes

Breakdown Products and Mechanistic Studies of Perfluorinated Alkyl Substances (PFAS)

Degradation

Wednesday 8/25/2021, 10:30 AM - 12:20 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

New Insights into the treatment technologies of emerging contaminants

Wednesday 8/25/2021, 2:00 PM - 3:50 PM, Oral - Virtual

Zoom Room 34 (Virtual Room)

New Approches for PFAS Destruction

Wednesday 8/25/2021, 4:30 PM - 5:50 PM, Oral - Virtual

Zoom Room 35 (Virtual Room)

Developing tools for more effective PFAS remediation

Thursday 8/26/2021, 8:00 AM - 9:30 AM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Removal of PFAS using porous adsorbents and advanced filtration membranes and regeneration of spent carbon

Thursday 8/26/2021, 10:30 AM - 12:20 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Degradation methods for perfluoroalkyl and polyfluoroalkyl substances in environmental media

Thursday 8/26/2021, 2:00 PM - 3:50 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Biological and Bio-Inspired Treatment of PFAS and Waterborne Contaminants

Thursday 8/26/2021, 4:30 PM - 6:20 PM, Oral - Hybrid

Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster – Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Understanding Biological, Chemical, & Environmental Interactions & Transport of SARS-Co-2

Transport and Surface Interactions

Cosponsored by COMSCI

Organizers: Boufadel, Michel; New Jersey Institute of Technology

Monday 8/23/2021, 8:00 AM - 10:00 AM, Oral - In-person

B402 (Georgia World Congress Center)

Monday 8/23/2021, 10:30 AM - 12:30 PM, Oral - In-person

B402 (Georgia World Congress Center)

Monday 8/23/2021, 2:00 PM - 4:00 PM, Oral - In-person

B402 (Georgia World Congress Center)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person

Hall B4 (Georgia World Congress Center)

Water Purification with Nanomaterials Exemplify Resilience of Chemistry

Organizers: Satinder Ahuja

Thursday 8/26/2021, 8:00 AM - 9:45:00 AM, Oral - In-person

B402 (Georgia World Congress Center)

Thursday 8/26/2021, 10:30 AM - 12:30 PM, Oral - In-person

B401 (Georgia World Congress Center)

Thursday 8/26/2021, 2:00 PM - 3:45:00 PM, Oral - In-person
B401 (Georgia World Congress Center)

Posters

Tuesday 8/24/2021, 7:00 PM - 9:00 PM, Poster - Virtual

Wednesday 8/25/2021, 7:00 PM - 9:00 PM, Poster - In-person
Hall B4 (Georgia World Congress Center)

WISE: Women in Environmental Science & Engineering

Organizers: Dionysios Dionysiou, Virender Sharma

Career Paths and Resilience

Sunday 8/22/2021, 10:30 AM - 12:30 PM, Oral - Virtual
Zoom Room 32 (Virtual Room)

Career Paths and Resilience

Sunday 8/22/2021, 2:00 PM - 4:00 PM, Oral - Hybrid
Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Sensors, Materials, Interfaces and Nanotechnology

Sunday 8/22/2021, 4:30 PM - 6:30 PM, Oral - Virtual
Zoom Room 38 (Virtual Room)

Reactions and Analytical Environmental Chemistry

Sunday 8/22/2021, 7:00 PM - 9:00 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)

Environmental Chemistry Interfaces and Reactions

Monday 8/23/2021, 8:00 AM - 10:00 AM, Oral - Hybrid
Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Effects of Climate, Energy Extraction & Engineered Processes on Environmental Science & Policy

Monday 8/23/2021, 10:30 AM - 12:00 PM, Oral - Virtual
Zoom Room 36 (Virtual Room)

Biological Processes, Microbiome, and Public Health

Monday 8/23/2021, 2:00 PM - 4:00 PM, Oral - Virtual
Zoom Room 35 (Virtual Room)

Biological Processes, Microbiome, and Public Health

Monday 8/23/2021, 4:30 PM - 6:30 PM, Oral - Hybrid
Thomas Murphy Ballroom Sections 1 & 2 (Georgia World Congress Center)

Water Treatment and Reuse

Tuesday 8/24/2021, 10:30 AM - 12:30 PM, Oral - Virtual
Zoom Room 33 (Virtual Room)