



38TH INTERNATIONAL CONFERENCE ON THERMAL TREATMENT TECHNOLOGIES & HAZARDOUS WASTE COMBUSTORS

Virtual Conference • January 27-28, 2021

Wednesday, January 27

Time	Session
8:30 - 10:00 am ET	Opening Keynote From Natural Disasters to Pandemics: Remaining Operational and Compliant <ul style="list-style-type: none">• Selin Hoboy, <i>Vice President, Government Affairs and Compliance, Stericycle, Inc.</i>• Kristin Gordon, <i>Houston Office Director/Senior Consultant, All4 LLC</i>
10:15 - 11:45 am	Session 1: PFAS and Emission Characterization IT3-03 PFAS Emitted from a Wastewater Treatment Plant with Sewage Sludge Incinerator Ian C. MacGregor, Aaron Frank, Brannon A. Seay, Jon T. Eastep, George A. Fenton, Jonathan R. Thorn, Matthew Schumitz, Denise M. Schumitz, Derik Heiss, Stephanie S. Buehler, Martha W. McCauley, Kristara Abrams, Kavitha Dasu, Battelle, Columbus, OH, USA; Paul M. Meeter, Wes Fritz, Lisa Kammer, Weston Solutions, Inc., West Chester, PA, USA; William C. Anderson, Courtney Adkins, Eurofins Test America, Knoxville, TN, USA; Kelley Begin, Woodard and Curran, Andover, MA, USA IT3-13 Estimating Emissions from Plastic-to-Fuel Pyrolysis: Data Needs, Challenges and Methods to Estimate Air Emissions Biljana Cosic, Taylor Roumeliotis, Deanne Durward, Hajar Pourbafrani, Ramboll, Mississauga, ON, Canada IT3-15 Review of the Newly Promulgated USEPA PFAS Test Method David Ostaszewski, Ramboll USA
12:30 - 2:30 pm ET	Panel: Advancements in PFAS Research Moderated by Jeff Ryan, US EPA Office of Research and Development National Risk Management Research Laboratory Panelists will include EPA scientists working on cutting-edge PFAS developments
2:45 - 4:15 pm	Session 2: Solid Waste Resource Recovery and Control IT3-05 Incinerator Ash: Diverse Solutions to Achieve Near Zero Waste Timothy A. Marth, Allied Mineral Products, Columbus, OH, USA IT3-08 Wet Solids Waste Resource Recovery Using Supercritical Water Oxidation Kobe Nagar, Duke University, Durham, NC, USA
4:30 - 5:30 pm	Virtual Networking Session



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Thursday, January 28

8:30 - 10:00 am ET

Panel: Lessons Learned — Hazardous Waste Incinerator Comprehensive Performance Program Best Practices

Moderated by David Ostaszewski, Ramboll. Panelists include:

- Prince Knight, Norlite Corporation
- Robert Baxter, B3 Systems, Inc.
- Jessie Rocha, Alliance Source Testing, Inc.

10:15 - 11:45 am

Session 3: PFAS Emission Control Strategies

IT3-04 Experiments and Modeling to Investigate Thermal Destruction of Perfluorinated Alkyl Substance (PFAS) Containing Waste

Paul Lemieux, Bill Linak, Chun-Wai Lee, Jonathan Krug, US Environmental Protection Agency/Office of Research and Development; RTP, NC; Martin Denison, Kevin Davis, Dave Swensen, Reaction Engineering International; Salt Lake City, UT, USA

IT3-10 Experimental Thermal Decomposition of PFOS and PFOA

Nathan H. Weber, Sebastian P. Stockenhuber, Ammar Abu Fara, Charles C. Grimison, John A. Lucas, John C. Mackie, Michael Stockenhuber and Eric M. Kennedy, Discipline of Chemical Engineering, School of Engineering, University of Newcastle, Callaghan, NSW, Australia

IT3-14 Design Considerations for Adapting Existing Thermal Oxidizers for PFAS Destruction

William P. Norris, Michael Mannuzza, Ramboll, USA

12:30 - 2:00 pm ET

Panel: Thermal Treatment – A Historical Perspective from 1980s to 2020

Panelists include:

- Prakash Acharya, PE, CHMM, APTIM
- Mel Keener, Executive Director, CRWI
- Thomas Busmann, Vice President, Focus Environmental, Inc.

2:30 - 4:00 pm

Session 4: Advancements in Emission Control Technologies

IT3-02 Nonthermal Plasma Generation in Practical-scale Honeycomb Catalysts for the Removal of Toluene

Md. M. Hossain, V. T. Nguyen, S. Saud, D. B. Nguyen, Y. S. Mok, Department of Chemical and Biological Engineering, Jeju National University, South Korea

IT3-12 Using DSI for Flexible Air Emissions Control

Jon Norman, United Conveyor Corporation, Waukegan, IL, USA

IT3-07 Emission Requirements and the Methodology to Achieve Environmental Compliance in the Chemical Industry

Nina B. Zerman, Dürr Systems, Inc., Southfield, MI, USA

4:00 - 4:30 pm

Closing Remarks and Award Presentation