



Earth Engineering Center  
CITY COLLEGE of NEW YORK



**WTERT**

## **2022 EEC/WTERT Bi-Annual Conference**

*Sustainable Waste Management: The Forefront of Innovation*

### **Conference Program**



**October 13<sup>th</sup> – 14<sup>th</sup>, 2022**

The Grove School of Engineering,  
275 Convent Ave, New York, NY 10031

The City College  
of New York

## DAY 1 – OCTOBER 12<sup>TH</sup>, 2022

### Welcome Reception

(Sponsored by Technikgruppe)

5 pm – 7pm

At the Advanced Science Research Center (ASRC) banquet hall, CCNY

## DAY 2 – OCTOBER 13<sup>TH</sup>, 2022

08:30 – 09:00	Light Breakfast
09:00 – 11:00	Session 1 - Opening Plenary
<b>Welcome Address</b>	<ul style="list-style-type: none"><li>Prof. Marco J. Castaldi - CCNY</li><li>Dr. Vincent Boudreau – President of The City College of New York</li><li>Prof. Alexander Couzis - Dean of The Grove School of Engineering, CCNY</li></ul>
	<b>Doug Wicks - US Department of Energy (ARPA-E)</b> ARPA-E's vision for MSW WTE facilities of the future
	<b>David Biderman – Executive Director &amp; CEO, Solid Waste Association-North America</b> Updates on Federal legislation and regulation focusing on solid waste issues
	<b>Michael Van Brunt - Vice President, Environment and Sustainability, Covanta</b>
11:00 – 11:15	Break
11:15 – 12:45	Session 2
	<b>Damir Zibrat and Matthias Lukic - Technikgruppe</b> Combustion optimization and retrofitting – energy from waste and biomass plants
	<b>Jeff Krumwiede - Manager, Engineering and projects, GRE HERC services, LLC</b> Operating performance improvements at the Hennepin Energy Recovery Center
	<b>Raymond H Schauer - Director, Facility Contract Operations</b> Update on the performance of the Palm Beach County facility
	<b>James Appleby - Director of Operations and Engineering, Blue Phoenix</b> Overview of best practices and how IBA can be converted into a sustainable circular aggregate product, while optimizing metals recoveries
12:45 – 14:00	Lunch
14:00 – 15:30	Session 3
	<b>Samuel Alemayehu</b> Update on the performance of the Addis Ababa WTE facility
	<b>Thomas Eddy - Consultant, Ash and Waste conversion solutions, LLC</b> Quantifying sustainability and valorization for WTE Plants
	<b>Stephen Goff - Dublix Technology ApS</b>

	Sulfur injection for fouling and corrosion control
	<b>Reda Kabbaj</b> Recent development and future perspective of the Global WtERT Council
15:30 – 15:45	Break
15:45 – 17:15	Session 4
	<b>Prof. Stefano Consonni - Politecnico di Milano, MatER/LEAP</b> The potential of Calcium Looping technology as BECCS system in Waste-to-Energy plants
	<b>Prof. Ange Nzihou - Chemical &amp; Environmental Engineering - IMT Mines Albi (France)</b> Hydrogen production from biomass and bio-waste using thermochemical route
	<b>Mario Grosso - Politecnico di Milano</b> How collection bags can affect the performance of food waste management: a comparison between bioplastics and paper
	<b>A.C. (Thanos) Bourtsalas - Columbia University</b> The role of fuel and energy recovery from non-recyclable materials in circular/low-carbon economy policies
17:15 – 18:15	Session 5: Poster Session & Cocktail Hour
18:30 – 21:30	Awards Dinner

## DAY 3 – OCTOBER 14<sup>TH</sup>, 2022

08:30 – 09:00	Light Breakfast
09:00 – 10:30	Session 6
	<b>Prapti Muhuri - American Chemistry Council</b> <b>Manager, Recycling &amp; Recovery, Plastics Division</b> Updates on advanced recycling for post-consumer plastic streams
	<b>Dr. Lucas Dorazio - Team Leader- Gasoil Technologies, BASF</b> Catalytic cracking of plastic waste derived pyrolysis oil
	<b>Dave Singer – Braven Environmental, LLC.</b> Waste plastic processing at commercial scale – challenges and the future
	<b>Lauren Creadore – Earth Engineering Center, The City College of New York</b> Quantitative comparison of LCA of advanced recycling technologies for end-of-life plastics
10:30 – 11:00	Break
11:00 – 12:30	Session 7
	<b>Vikram Kumar - University of Illinois Urbana-Champaign</b>

Impact of Incineration Ash Composition on Cement Hydration	
<b>Yixi Tian - Columbia University</b>	
Study of the stabilization/utilization technologies for Waste-to-Energy residues	
<b>Yuanzhi Tang - Georgia Tech</b>	
Characterization and recovery of rare earth elements from municipal solid waste incineration ash	
<b>Yuri Schmitke - WtERT Brazil</b>	
Public policies for the development of waste-to-energy in Brazil: ABREN WtERT Brazil institutional performance since 2019	
12:30 - 13:00	Wrap-up (Box lunch)
13:00 - 3:00	WtERT committee meeting