



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 12th – 14th, 2022

Advanced Science Research Center (ASRC), CUNY
85 St. Nicholas Terrace, New York, NY 10031

**The City College
of New York**

DAY 1 – OCTOBER 12TH, 2022

Welcome Reception

(Sponsored by Technikgruppe)

5 pm – 7pm

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

DAY 2 – OCTOBER 13TH, 2022

08:30 – 09:00	Light Breakfast	
09:00 – 11:00	Session 1 - Opening Plenary	Session Chair: Marco J. Castaldi
Welcome Address	<ul style="list-style-type: none"> ▪ Prof. Marco J. Castaldi - CCNY ▪ Dr. Vincent Boudreau – President of The City College of New York 	
	Doug Wicks - US Department of Energy (ARPA-E) ARPA-E's vision for MSW WTE facilities of the future	
	David Biderman – Executive Director & CEO, Solid Waste Association-North America Updates on Federal legislation and regulation focusing on solid waste issues	
	Michael Van Brunt - Vice President, Environment and Sustainability, Covanta	
11:00 – 11:15	Break	
11:15 – 12:45	Session 2	Session Chair: Marco J. Castaldi
	Damir Zibrat and Matthias Lukic - Technikgruppe Combustion optimization and retrofitting – energy from waste and biomass plants	
	Jeff Krumwiede - Manager, Engineering and projects, GRE HERC services, LLC Operating performance improvements at the Hennepin Energy Recovery Center	
	Raymond H Schauer - Director, Facility Contract Operations Update on the performance of the Palm Beach County facility	
	James Appleby - Director of Operations and Engineering, Blue Phoenix Overview of best practices and how IBA can be converted into a sustainable circular aggregate product, while optimizing metals recoveries	
	Shawn T Coughlan - Applied Control Engineering, Inc. (ACE) Modernizing Waste-to-Energy Plant Control System	
12:45 – 14:00	Lunch	
14:00 – 15:30	Session 3	Session Chair: Ange Nzihou
	Samuel Alemayehu Update on the performance of the Addis Ababa WTE facility	
	Thomas Eddy - Consultant, Ash and Waste conversion solutions, LLC Quantifying sustainability and valorization for WTE Plants	
	Werner Bauer - VP GWC, Managing Director, WtERT Germany GmbH Understanding the waste recycling narrative of EU	
	Reda Kabbaj	

Recent development and future perspective of the Global WtERT Council		
15:30 – 15:45	Break	
15:45 – 17:15	Session 4	Session Chair: Yuri Schmitke
<p>Edoardo De Lena - Politecnico di Milano, MatER/LEAP The potential of Calcium Looping technology as BECCS system in Waste-to-Energy plants</p>		
<p>Prof. Ange Nzihou - Chemical & Environmental Engineering - IMT Mines Albi (France) Hydrogen production from biomass and bio-waste using thermochemical route</p>		
<p>Stephen Goff - Dublix Technology ApS Sulfur injection for fouling and corrosion control</p>		
<p>A.C. (Thanos) Bourtsalas - Columbia University The role of fuel and energy recovery from non-recyclable materials in circular/low-carbon economy policies</p>		
17:15 – 18:15	Session 5: Poster Session & Cocktail Hour	
18:30 – 21:30	Awards Dinner	

DAY 3 – OCTOBER 14TH, 2022

08:30 – 09:00	Light Breakfast	
09:00 – 10:30	Session 6	Session Chair: Snehesh S. Ail
<p>Prapti Muhuri - American Chemistry Council - Manager, Recycling & Recovery, Plastics Division Updates on advanced recycling for post-consumer plastic streams</p>		
<p>Dr. Lucas Dorazio - Team Leader - Gasoil Technologies, BASF Catalytic cracking of plastic waste derived pyrolysis oil</p>		
<p>Dave Singer - Braven Environmental, LLC. Waste plastic processing at commercial scale – challenges and the future</p>		
<p>Lauren Creadore – Earth Engineering Center, The City College of New York Quantitative comparison of LCA of advanced recycling technologies for end-of-life plastics</p>		
10:30 – 11:00	Break	
11:00 – 12:30	Session 7	Session Chair: Snehesh S. Ail
<p>Vikram Kumar - University of Illinois Urbana-Champaign Impact of Incineration Ash Composition on Cement Hydration</p>		
<p>Yixi Tian - Columbia University Study of the stabilization/utilization technologies for Waste-to-Energy residues</p>		
<p>Yuanzhi Tang - Georgia Tech Characterization and recovery of rare earth elements from municipal solid waste incineration ash</p>		
<p>Yuri Schmitke – WtERT Brazil Public policies for the development of waste-to-energy in Brazil: ABREN WtERT Brazil institutional performance since 2019</p>		
12:30 – 13:00	Wrap-up (Box lunch)	
13:00 – 3:00	WtERT committee meeting	