



Earth Engineering Center
CITY COLLEGE of NEW YORK



WTERT

2022 EEC/WTERT Bi-Annual Conference

Sustainable Waste Management: The Forefront of Innovation

Preliminary Draft of the Program



October 13th – 14th, 2022

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

The City College
of New York

DAY 1 – OCTOBER 13TH, 2022

08:30 – 09:30	Light Breakfast
09:00 – 11:00	Session 1 - Opening Plenary
Welcome	▪ Prof. Marco J. Castaldi - CCNY
Address	▪ Prof. Alexander Couzis - Dean of The Grove School of Engineering, CCNY
Doug Wicks - US Department of Energy (ARPA-E) ARPA-E's vision for MSW WTE facilities of the future	
Louis Vetrone - Deputy Commissioner Department of Environmental Facilities Status of waste management operations in Westchester County, New York	
Michael Van Brunt - Vice President, Environment and Sustainability, Covanta	
TBD	
11:00 – 11:15	Break
11:15 – 12:45	Session 2
Damir Zibrat and Matthias Lukric - Technikgruppe Combustion optimization and retrofitting – energy from waste and biomass plants	
Matt Clark - 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	
12:45 – 13:30	Lunch
13:30 – 15:30	Session 3
Mario Grosso - Politecnico di Milano How collection bags can affect the performance of food waste management: a comparison between bioplastics and paper	
Thomas Eddy - Consultant, Ash and Waste conversion solutions, LLC Quantifying sustainability and valorization for WTE Plants	
TBD	
TBD	
15:30 – 15:45	Break

15:45 – 17:00	Session 4
Johnny Stuen - WtE and Onshore CCS area manager, Kanfa group	
Design and development of H ₂ production from biogas, biowaste and wastewater – typically 1-3 t H ₂ /day, ZEG power	
Prof. Stefano Consonni - Politecnico di Milano, MatER/LEAP	
The potential of Calcium Looping technology as BECCS system in Waste-to-Energy plants	
A.C. (Thanos) Bourtsalas - Columbia University	
The role of fuel and energy recovery from non-recyclable materials in circular/low-carbon economy policies	
Dr. Snehesh Ail - Associate Director of Earth Engineering Center	
Updates on work by Earth Engineering Center at CCNY	
17:00 – 18:00	Session 5: Poster Session & Cocktail Hour
18:20 – 21:00	Awards Dinner

DAY 2 – OCTOBER 14TH, 2022

08:30 – 09:30	Light Breakfast
09:00 – 10:30	Session 6
Craig M. Cookson - American Chemistry Council	
Senior Director, Plastics Sustainability, Plastics Division	
Updates on advanced recycling for post-consumer plastic streams	
Dr. Lucas Dorazio - Team Leader- Gasoil Technologies, Refinery Catalyst R&D	
Catalytic cracking of plastic waste derived pyrolysis oil	
Yuanzhi Tang - Georgia Tech	
Characterization and recovery of rare earth elements from municipal solid waste incineration ash	
TBD	
10:30 – 11:00	Break
11:00 – 12:00	Session 7
Vikram Kumar - University of Illinois Urbana-Champaign	
Impact of Incineration Ash Composition on Cement Hydration	
Yixi Tian - Columbia University	
Study of the stabilization/utilization technologies for Waste-to-Energy residues	
TBD	
TBD	
12:00 – 12:30	Wrap-up