

# SUSTAINABLE WASTE MANAGEMENT: PUSHING THE FOREFRONT OF INNOVATION

## WtERT Biennial Conference 2024

October 2-4, 2024

The City College of New York, New York, NY USA

### Preliminary Program

AI Technology for Smart Waste-to-Energy	Dr. Qunxing Huang President, Global WtERT Council & WtERT-China Vice-Dean, College of Energy Engineering, Zhejiang University, China
Developments to Maximum Achievable Control Technology (MACT) program at US Environmental Protection Agency (EPA)	Timothy Porter Air Quality Management, WIN-Waste Innovations
Combustion Optimization on Forward Moving Reciprocating Grates	Matthias Lukic and Damir Zibrat Technikgruppe GmbH, Austria
Waste-to-Energy: Sustainable Solution for Reducing Methane Emissions	Yuri Schmitke WtERT-Brasil, ABREN; VP WtERT LATAM
Long-term Capital Planning at WTE Facilities in US	Bruce Howie, Jeffrey Martirano, Greg Gesell HDR Engineering
Vortex Boiler Cleaning	Scott Baumann Thermic Systems, LLC; Volodyne, LLC
Approaches to Reducing Methane Emissions: WTE and Landfills	Connie Lausten cLausten LLC
Transforming WTE Ash into Cementitious Material via Chlorellestadite Formation	Nishant Garg University of Illinois Urbana-Champaign
Innovations in WTE Ash Processing and Reuse	James Appleby Blue Phoenix Group
Sorting, Deposit System for PET and What's Next: Residual Plastic Waste and Impact on Environment and Energy Balance	Dagmar Juchelková WtERT-Czech Republic, VSB - Technical University Ostrava
Vitrification Treatment of WTE Bottom Ash in a Demonstration-Scale Slagging Gasifier	Stephan Herberlein WtERT-Singapore, Nanyang Technological University

*with new findings from the Earth Engineering Center at City College  
on Contributions of Waste to Energy to Air Quality Levels*

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