



**INTERNATIONAL RESOURCE RECOVERY  
CONFERENCE & EXPO**  
on **WATER, WASTE MANAGEMENT** and **ENERGY**  
IN COLLABORATION WITH  
**UNIVERSITY OF ILLINOIS CHICAGO (UIC)** and  
**ILLINOIS ASSOCIATION OF  
WASTEWATER AGENCIES**

**MAY 26 – 29, 2025 CHICAGO, IL USA**

**WATER AND  
WASTEWATER**

**SOLID WASTE  
MANAGEMENT**

**ENERGY**

The Water and Waste Management International (WWMI), UIC Department of Civil, Materials, and Environmental Engineering and UIC Energy Resources Center conference planning committee invites abstract submissions for the 2025 International Resource Recovery Conference. Please join us in beautiful University of Illinois(UIC) Campus Chicago, near the Great Lake Michigan. WWMI invites you to engage with leading entrepreneurs, researchers, educators, water managers, students, and other professionals from across the globe as we seek to develop new and innovative collaborations and transdisciplinary solutions to the complex challenges in Water, Waste Management and Energy sectors.

**Abstract Submission :** Abstracts (300 words max should be submitted electronically through the assigned form.

**The deadline to submit abstracts is :** February 25, 2025

**Notification of acceptance will be by March 10.**

If accepted and presented, abstracts will be available for viewing on the Conference Platform & App during and after the conference.

## Speaker Tracks

### Track 1 : Water and Wastewater

- Water Resource Management for Conservation, Distribution, and Access
- Discharge Compliance: Aligning Industrial and Municipal Effluents with Regional Standards
- Rainwater Harvesting and Urban Recharge: Combat Flooding and Water Scarcity
- Advancing Wastewater Systems: Emerging Technologies for Centralized and Decentralized Management
- Digital Transformations in the Water Sector: Enhancing Efficiency and Decision-Making
- Navigating Contaminants: Managing PFAS and Microplastics
- Innovative Treatment Frontiers: Biological and Thermal Processes
- Agricultural Water Use: Sustainable Practices for a Water-Secure Future
- Bridging the Gap: Tailored Wastewater Solutions for Small and Mid-Level Communities
- Integrated Water Management Under Climate Change: Mitigating Impacts and Building Resilience

### Track 2 : Solid Waste Management

- Zero Waste Management
- 4R Principles: Reduce, Reuse, Recycle, Recover
- Waste Regulations and Policies
- Advanced Waste Characterization
- C&D Waste Recycling and Reuse
- Natural Disaster Debris Strategies
- Landfill Design and Monitoring
- Leachate Recirculation and Bioreactors
- Landfill Gas Management and Use
- Landfill Mining and Reclamation
- Energy Recovery and Waste-to-Energy
- Data-Driven Waste Optimization

### Track 3 : Energy

- Developing Decarbonization and Sustainable Energy Pathways
- Setting and Achieving Net-Zero Goals
- Lowering Energy Costs Through Strategic Energy Management
- Energy Efficiency Success Stories
- Enhancing Energy Resiliency
- Advancing Innovative Energy Technology Solutions
- Integrating Onsite Energy, Renewables, and Combined Heat and Power
- Analyzing Pollution Prevention Strategies
- Case Studies

**WWM International:** Water and Waste Management International (WWMI) is a diverse, not-for-profit collective of academicians, scientists, experts, consultants, engineers, and other professionals who work in the field of water, energy, and waste management for resource recovery and focused in the South Asia and Middle Eastern Countries. With an average experience of about 20+ years, the Group provides a global platform for Governments, Industry, and the Public to share the knowledge and expertise for sustainable living and environmental development. Registered in Illinois, USA with IRS-recognized 501 (C) (3) status WWMI has currently 500 plus members supporting from USA, Australia, Canada, Europe, Singapore, Turkey, Saudi Arabia, UAE, Thailand, Nepal, and India.

For more information visit our website: [wwminternational.org](http://wwminternational.org)

### UIC Department of Civil, Materials, and Environmental Engineering:

University of Illinois Chicago (UIC), USA, is located in the heart of one of the world's great cities. UIC is a vital part of the region's educational, technological, and cultural fabric. As Chicago's only public research university with 35,000 students, 15 colleges, a hospital, and a health sciences system, UIC provides access to world-class excellence in vivid fields. The Civil, Materials, and Environmental Engineering (CME) department at UIC offers programs leading to the BS, MS, and Ph.D. degrees in Civil Engineering and the MS and Ph.D. degrees in Materials Engineering. In particular, the Sustainable Engineering Research Laboratory (SERL) and the Geotechnical and Geoenvironmental Engineering Laboratory (GAGEL) at UIC are focused on addressing the trending challenges in the development of sustainable and resilient civil infrastructure and safeguarding the earth and environment by integrating the knowledge from emerging areas of sustainability, resiliency, infrastructure, water, energy, and environment. The research at SERL and GAGEL has continually demonstrated a high level of technical excellence and quality through the development of innovative and pragmatic approaches that have been widely recognized and adopted for use.

More information can be obtained at the website: <https://serl.lab.uic.edu>

**Energy Resources Center UIC:** The Energy Resources Center (ERC), based out of the UIC College of Engineering, is an interdisciplinary public service, applied research, and special projects organization that strives to provide solutions to today's energy and environmental challenges and opportunities. The ERC provides expertise in the areas of bioenergy, energy efficiency, distributed generation and renewables, utility data analytics, sustainable landscapes, clean transportation and workforce development. Since 1973, the ERC has been providing comprehensive and up-to-date solutions to energy and environmental challenges and today is staffed by a uniquely diverse and highly experienced group of professional engineers, economists, architects, computer scientists, educators, and public policy analysts.

More information can be obtained at the website: <https://erc.uic.edu>

**Illinois Association of Wastewater Agencies (IAWA) :** The Illinois Association of Wastewater Agencies is an organization that represents over 100 years of transition and growth of the well known and respected Illinois Association of Sanitary Districts. The new organization (IAWA) is oriented to meet the needs of Administrators and Managers who are concerned with clean streams and are responsible for wastewater collection and treatment in the State of Illinois.

More information can be obtained at the website: <https://ilwastewater.org/>

## CONFERENCE PROGRAM

### Monday May 26, 2025

6 PM to 9 PM Inauguration and welcome dinner UIC Campus / Downtown Hotel

### Tuesday May 27, 2025

9:00 AM to 9:30 AM Key Note speakers

9:30 to 10:30 AM Business Opportunities presentation by Consulates of India, Thailand and Turkey

10:30 to 11:00 AM Department of Commerce and Economic Opportunity, Illinois presentation

11:00 to 12:00 PM Presentation by Platinum sponsors

12:00 to 1:30 PM Lunch

1:30 to 4:30 PM Break out sessions (Track1: Water and Wastewater, Track2: Solid Waste Management, Track 3: Energy)

### Wednesday May 28, 2025

9:00 AM to 12:00 PM Break out sessions (Track1: Water and Wastewater, Track2: Solid waste Management, Track 3: Energy)

12:00 to 1:30 PM Lunch

1:30 to 4:30 PM Key Note speakers and concluding session.

### Thursday May 29, 2025:

8 AM to 3 PM Facility tour to Stickney Water Reclamation Plant (World's Largest wastewater treatment facility of 1.4 Billion Gallon / Day) and Main Stream Pumping Station of MWRDGC



Please scan the QR Code for submission of Abstract

For any questions please contact: [info@wwminternational.org](mailto:info@wwminternational.org)

<https://wwminternational.org/>