

# International Conference on Recycling and Waste Management [ICRWM-2026]

Dates: July 23–24, 2026

Venue: Vienna, Austria in Rainers Hotel

## TENTATIVE AGENDA

### DAY-1 (July 23)

08:30-09:00	REGISTRATIONS & OPENING REMARKS
09:00-09:30	<b>PLENARY TALK</b>
09:30-10:00	<b>PLENARY TALK</b>
10:00-10:30	Group Photo
	Refreshment Break
<b>KEY NOTE PRESENTATION</b>	
10:30-11:00	<i>A DIGITAL TWIN FRAMEWORK FOR CLOSED-LOOP WATER MANAGEMENT</i>
	Dr. Gialelis Ioannis, University of Patras, Greece
<b>Technical Session- I</b>	
11:00-11:20	<i>AN ANALYSIS OF THE DUST DEPOSITION AND OTHER CLIMATIC PARAMETERS ON SOLAR PHOTOVOLTAIC MODULES IN MAURITIUS</i>
	Dr. Dhirajsingh Rughoo, University of Mascarene Islands, Mauritius
11:20 - 11:40	<i>ANTICIPATORY SUSTAINABLE AND CIRCULAR-BY-DESIGN MATERIAL DEVELOPMENT - ASSESSMENT FRAMEWORK, MATERIAL CONCEPTS, AND DEVELOPMENT</i>
	Dr. Jan-Marten Sprenger, Fraunhofer-Institute for Manufacturing Technology and Advanced Materials IFAM, Germany
11:40-12:00	<i>APPLICATION OF THE DDM METHOD FOR FABRICATION OF LOW-CRITICAL-MATERIAL ELECTRODES FOR ALKALINE WATER ELECTROLYSIS</i>
	Dr. Elitsa Petkucheva, Institute of Electrochemistry and Energy Systems, Bulgaria
12:00-12:20	<i>APPLICATION OF MACHINE LEARNING TECHNIQUES IN MINERAL RESOURCE ESTIMATION: A CASE STUDY WITH IRON ORE DEPOSIT</i>
	Prof. Sheo Shankar Rai, Indian Institute of Technology, India
12:20-12:40	<i>REINFORCEMENT LEARNING VERSUS PI CONTROL FOR CO<sub>2</sub>-BASED CLASSROOM VENTILATION: A REAL-DATA BENCHMARK ON FAN ELECTRICITY AND IAQ</i>

	<b>Dr. Masoud Haddad</b> , University of Vaasa, Finland
<b>12:40- 13:00</b>	<i>BIOMASS BOTTOM ASH VALORISATION FROM FLUIDIZED BED COMBUSTION FOR CEMENT AND CIVIL ENGINEERING APPLICATIONS: A CIRCULAR ECONOMY PERSPECTIVE</i> <b>Dr. Elżbieta Jarosz-Krzemińska</b> , AGH University of Krakow, Poland
<b>13:00- 14:00</b>	Lunch @ Restaurant
<b>Technical Session- II</b>	
<b>14:00-14:20</b>	<i>THE SILENT DRAIN: HOW GOVERNANCE MAKES OR BREAKS JV VALUE BEFORE THE FINANCIALS SHOW IT</i> <b>Dr. Cornelia Oana Toropoc</b> , OMV, Austria
<b>14:20-14:40</b>	<i>SMART ADAPTIVE HEATING CONTROL FOR OVERHEATING MITIGATION IN NORDIC COMMERCIAL BUILDINGS</i> <b>Prof. Amirmohammad Behzadi</b> , KTH Royal Institute of Technology, Sweden
<b>14:40-15:00</b>	<i>APPLICATION OF RECYCLED CONCRETE AGGREGATES FOR THE CONSTRUCTION OF ASPHALT MIXTURES FOR ROAD PAVEMENTS: SUSTAINABLE WASTE MANAGEMENT AND CIRCULAR ECONOMY</i> <b>Prof. Juan Gabriel Bastidas-Martínez</b> , Nueva Granara Military University, Colombia
<b>15:00-15:20</b>	<i>SUSTAINABLE SUPPLY CHAIN DESIGN FOR BIOENERGY PRODUCTION: TRENDS, OPTIMIZATION STRATEGIES, AND FUTURE RESEARCH DIRECTIONS</i> <b>Prof. Alexandra Duarte Castillo</b> , Caldas University, Colombia
<b>15:20-15:40</b>	<i>TURNING THE TIDE ON EMISSIONS THROUGH CIRCULAR ECONOMY PRACTICES, TOURISM DEVELOPMENT AND INNOVATION-DRIVEN CLIMATE MITIGATION</i> <b>Prof. Muhammad Imran</b> , Shandong Xiehe University, China
<b>15:40-16:10</b>	<b>Poster Presentations + Refreshment Break</b>
<b>Poster-1</b>	<i>WASTE-TO-ENERGY MATERIALS: TRANSFORMING FLOTATION EFFLUENTS INTO ADVANCED POLYMER-METAL NANOCOMPOSITES FOR HIGH-PERFORMANCE SUPERCAPACITORS</i> <b>Dr. Atanas Svetoslavov Garbev</b> , IEES, Bulgaria
<b>Poster-2</b>	<i>PD-MODIFIED POROUS FRAMEWORKS: TOWARDS SELECTIVE AND EFFICIENT GAS SEPARATION</i> <b>Dr. Anna Król</b> , Oil and Gas Institute, Poland
<b>Poster-3</b>	<i>ELECTROLYTIC RECOVERY OF INDIUM FROM COPPER INDIUM GALLIUM SELENIDE PHOTOVOLTAIC PANELS: PRELIMINARY INVESTIGATION OF PROCESS PARAMETERS</i>

	Dr. Monika Gajec, Oil and Gas Institute, Poland
<b>Technical Session- IV</b>	
16:10-16:30	<i>TOWARDS A SAFE AND SUSTAINABLE RECYCLING OF ELASTANE-CONTAINING TEXTILES</i>
	Dr. Tim Åström, Stockholm University, Sweden
16:30-16:50	<b>Slot Available</b>
16:50-17:10	<b>Slot Available</b>
17:10-17:30	<b>Slot Available</b>
Day-1 Concludes	
<b>DAY-II (July 24)</b>	
09:30-10:00	REGISTRATIONS & OPENING REMARKS
<b>Technical Session- V</b>	
10:00-10:25	<i>NUDGING FOOD WASTE REDUCTION: AN EXPERIMENT AT A UNIVERSITY DINING FACILITY IN CHINA</i>
	Dr. Zhang Yuchi, The University of Osaka, Japan,
10:25:10:50	<i>TOWARDS CIRCULAR BUILDINGS IN HONG KONG: A NEW INTEGRATED TECHNOLOGY-MATERIAL-DESIGN (TMD) CIRCULARITY ASSESSMENT FRAMEWORK</i>
	Dr. Kin-Sing-Ericson-LAU, ESG VISA Limited, Hong Kong
10:50:11:15	<i>ADVANCED RECYCLING TECHNOLOGIES AND MATERIAL RECOVERY</i>
	Prof. Osman Adiguzel, Firat University, Turkey
11:15-11:40	<i>TRIBO-ELECTROSTATIC SEPARATION OF POLYMER MIXTURES CONTAINING BROMINATED FLAME RETARDANTS</i>
	Dr. Lucien Dascalescu, PPRIME Institute, CNRS University of Poitiers, France
11:40-12:05	<i>INSTITUTIONAL QUALITY AND RENEWABLE ENERGY TRANSITION IN THE EUROPEAN UNION: EVIDENCE FROM PANEL DATA ANALYSIS</i>
	Dr. Mahdi MNASRI, University Paris Cité, France
12:05-12:35	<i>ADVANCED RECYCLING TECHNOLOGIES AND MATERIAL RECOVERY</i>

12:05-12:30	<b>Prof. Dr.-Ing. Matthias Franke</b> , Fraunhofer UMSICHT, Germany
12:35-13:00	<i>ASSESSING THE ECONOMY-WIDE IMPLICATIONS OF THE IMO MID-TERM MEASURES: EVIDENCE FROM THE REPUBLIC OF KOREA</i>
	<b>Dr. Han seon-Park</b> , KMI, Republic of Korea
13:00-13:25	<i>DATA-DRIVEN URBAN LOGISTICS FOR CARBON FOOTPRINT REDUCTION: THE ROLE OF PARCEL PICK-UP POINTS IN SUSTAINABLE LAST-MILE DELIVERY</i>
	<b>Dr. Sirine Adsi</b> , University of Sfax, Tunisia
13:25-13:50	<i>BREAKING BARRIERS IN FAPB3 PEROVSKITE PHOTOVOLTAICS: SYNERGISTIC STRATEGIES FOR PHASE STABILITY, DEFECT MITIGATION, AND SCALABLE PRODUCTION</i>
	<b>Dr. John Anyanwu</b> , Africa Centre of Excellence in Future Energies and Electrochemical Systems, Nigeria
13:50-14:15	<i>FROM GENERATIVE TO AGENTIC AI IN MARKETING COMMUNICATION: LINGUISTIC AUTONOMY, ETHICAL CONTROL, AND TRUST DYNAMICS IN ALGORITHMIC MARKETS</i>
	<b>Dr. Marwa Khairallah</b> , University of Sfax, Tunisia
14:15 - 14:40	<i>A STRATEGIC TECHNO-ECONOMIC ASSESSMENT OF DISTRIBUTED PHOTOVOLTAIC SYSTEMS VERSUS CENTRALIZED SOLAR POWER PLANTS FOR LARGE-SCALE INDUSTRIES IN IRAN CASE STUDY: GOLGOHAR MINNING &amp; INDUSTRIAL COMPANY</i>
	<b>Prof. Masoud Rashidinejad</b> , SBUK, Iran
14:40 - 15:05	<b>SLOT AVAILABLE</b>
15:05 -15:30	<b>SLOT AVAILABLE</b>
15:30 -15:55	<b>SLOT AVAILABLE</b>
15:55-16:25	<i>AN OVERVIEW OF OIL SPILL MODELING AND SIMULATION METHODS FOR FIXED AND CONTINUOUS FLOW RATES UNDER DIFFERENT CONDITIONS</i>
	<b>Prof. M. R. Riazi</b> , Texas A&M University, USA
16:25-17:00	<i>ZEOLITE SYNTHESIS AS AN OPPORTUNITY FOR CONSTRUCTION AND DEMOLITION WASTE UPCYCLING</i>
	<b>Prof. Gabriela A. Vázquez-Rodríguez</b> , Universidad Autonoma del Estado de Hidalgo, Mexico
17:00 -17:25	<i>BIOREMEDIATION 4.0: MICROBIAL CONSORTIA DESIGNED FOR WATER PURIFICATION</i>
	<b>Dr. Edgar Omar Rueda Rueda Puente</b> , Universidad De Sonora, Mexico
17:25-17:40	<b>Closing remarks</b>
<b>Day-II concludes</b>	
This is a provisional agenda and may be subject to change. To reserve your slot, please reach out ASAP at <a href="mailto:jamesmathew@urforum.org">jamesmathew@urforum.org</a> or via Whatsapp <a href="tel:+447404141173">+44 7404141173</a> .	