WRE 2026

서울시립대학교
UNIVERSITY OF SEOUL

The 12th International Conference on Water Resource and Environment

Conference Program



December 1-4, 2026

University of Seoul, Republic of Korea

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For WRE 2026 academic exchange only.

CONFERENCE COMMITTEE

Conference General Chairs

Prof. Hyunook Kim, University of Seoul
Distinguished Prof. Chih-Huang Weng, I-Shou University

International Technical Program Committee Chair

Prof. Zhimin Qiang, Shanghai Jiao Tong University

International Technical Program Committee

Prof. Abd Allah Tharwat Abdelkhalik, Jazan University
Prof. Azza Moustafa Abdelaty, National Research Center
Mohd Elmuntasir Ahmed, Senior Research Scientist, Kuwait Institute for Scientific Research
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Asst. Prof. Masoud Bijani, Garmsar University
Prof. Habib Bouzid, University of Mostaganem
Prof. Yaoping Chen, Anhui University of Science and Technology
Assoc. Prof. Ching-Lung Chen, Ming Chi University of Technology
Asst. Prof. Jinping Cheng, The Education University of Hong Kong
Dr. Hao Han, Institute of Earth Environment, Chinese Academy of Sciences
Prof. Yoshihiro Hamaguchi, Hannan University
Prof. Abdelkader Hamlat, University of Laghouat
Assoc. Prof. Saffet KILIÇER, Artvin Çoruh University
Assoc. Prof. Ignacy Kitowski, University College of Applied Sciences in Chelm
Prof. Leehyung Kim, Kongju National University
Lifetime Distinguished Prof. Yao-Tung Lin, National Chung Hsing University
Asst. Prof. Erika Alves Tavares Marques, Federal University of Pernambuco
Assoc. Prof. Fei Miao, University of Jinan
Asst. Prof. Seyed Mehdi Mohammadizadeh, University of Campinas
Assoc. Prof. Seyyed Ebrahim Mousavi, Tarbiat Modares University
Dr. Ayoub Moradi, Philipps University Marburg
Prof. Ackmez Mudhoo, University of Mauritius
Asst. Prof. Saad Mulahasan, Mustansiriyah University
Prof. Haibo Niu, Dalhousie University
Dr. Michael Nones, Institute of Geophysics Polish Academy of Sciences
Asst. Prof. Juliana Nóbrega, University of São Paulo
Prof. Dorota Porowska, University of Warsaw
Prof. Fei Qi, Beijing Forestry University
Assoc. Prof. Meysam Salarijazi, Gorgan University of Agricultural Sciences and Natural Resources
Assoc. Prof. Anoop Kumar Shukla, Manipal Academy of Higher Education
Assoc. Prof. Jenn-Fang Su, Chang Gung University
Assoc. Prof. Kamaljyoti Talukdar, Dhemaji Engineering College
Assoc. Prof. Jing Zhang, Shenyang Agricultural University
Prof. Bin Yan, Shenyang Agricultural University
Prof. Foo Keng Yuen, Universiti Sains Malaysia
Prof. George N. Zaimes, Democritus University of Thrace

PROGRAM OVERVIEW

Tuesday | December 1, 2026 Natural Science Building, University of Seoul

Time	Schedule	Location
13:30-18:00	Arrival & Registration	In Front of Room 109-110 (1F)

Registration Notes:
* Please let us know your name or abstract / paper number for registration.
* Please pick up all the conference materials at the registration desk (Name Card, Conference Program, Meal Vouchers, Field Visit Ticket etc.).

Wednesday | December 2, 2026 Natural Science Building, University of Seoul

Time	Schedule	Location
08:30-09:00	Registration	In Front of Room 109-110 (1F)
09:00-09:10	Opening Ceremony	Room 109-110 (1F)
09:10-10:10	**Plenary Speeches 1 & 2**	
10:10-10:20	Group Photo	
10:20-11:00	**Poster Session** (Student Part) & Coffee Break	Outside Area of Room 218-219 (2F)
11:00-12:00	**Plenary Speeches 3 & 4**	Room 109-110 (1F)
12:00-13:30	Lunch Break	
14:00-18:20	**Keynote Speech & Invited Session I**	Room 109-110 (1F)
14:00-18:25	**Parallel Oral Session 1**	Room 218-219 (2F)
16:00-16:40	**Poster Session** (Regular Part) & Coffee Break	Outside Area of Room 218-219 (2F)
18:30-18:50	Awarding Ceremony – Poster & Oral Session 1	Room 109-110 (1F)
19:00-20:30	Welcome Dinner	

Thursday | December 3, 2026 Natural Science Building, University of Seoul

Time	Schedule	Location
09:00-12:25	**Parallel Oral Session 2**	Room 109-110 (1F)
09:00-12:30	**Postgraduate Forum I**	Room 208-209 (2F)
09:00-12:20	**Postgraduate Forum II**	Room 218-219 (2F)
12:30-13:30	Lunch Break	
13:40-17:20	**Invited Session II**	Room 109-110 (1F)
14:00-17:30	**Parallel Oral Session 3**	Room 208-209 (2F)
14:00-17:40	**Parallel Oral Session 4**	Room 218-219 (2F)

Friday | December 4, 2026

Time	Schedule	Location
09:00-15:30	Field Visit	Seoul City, Republic of Korea

FEATURED SPEAKERS

Plenary Speakers



Prof. Hyunook Kim

University of Seoul



Prof. Zhimin Qiang

Shanghai Jiao Tong University



Prof. Haifeng Jia

Tsinghua University



Prof. Jérémy Masbou

University of Strasbourg-CNRS-ENGEES

Keynote Speakers



Prof. Cheng-Di Dong

National Kaohsiung University of Science and Technology



Prof. Ming-Chun Lu

National Chung Hsing University



Prof. Chao Liu

Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences



Prof. Leehyung Kim

Kongju National University

Invited Speakers



Prof. Alina Bărbulescu
Transilvania University of *Braşov*



Prof. Jih-Hsing Chang
Chaoyang University of Technology



Assoc. Prof. Ching-Lung Chen
Ming Chi University of Technology



Assoc. Prof. I-Chun Chen
Chinese Culture University



Prof. Angelo Earvin Sy Choi
De La Salle University



Prof. Baolin Deng
University of Missouri



Prof. Yoshihiro Hamaguchi
Hannan University



Assoc. Prof. SungKu Heo
Kangwon National University



Assoc. Prof. Wei-Fan Kuan
Chang Gung University



Asst. Prof. Jui-Yen Lin
National Kaohsiung University of Science and Technology



Prof. Carmen Elena Maftei
Transilvania University of *Braşov*



Assoc. Prof. Jenn-Fang Su
Chang Gung University



Prof. Magne O. Sydnes
University of Bergen



Prof. Meng-Wei Wan
Chia-Nan University of Pharmacy and Science



Assoc. Prof. Tsing-Hai Wang
Yuan Ze University



Assoc. Prof. Ting Xie
Guangxi Minzu University



Prof. Tymon Zielinski
Institute of Oceanology, Polish Academy of Sciences

SCIENTIFIC PROGRAM

Plenary Session

Wednesday Morning, December 2, 2026 | Room 109-110 (1F, Natural Science Building)	
Chairs: Prof. Hyunook Kim and Prof. Chih-Huang Weng	
09:00-09:10	**Opening Ceremony**
09:10-09:40	**Plenary Speech 1: Optimization of Green-Grey-Blue Coupling System for Sponge City Construction** ***Prof. Haifeng Jia,*** *School of Environment, Tsinghua University; Director of Center for Urban Runoff Control & Stream Restoration*
09:40-10:10	**Plenary Speech 2: A Novel Online Detection Method Deciphers Molecular Weight Fraction-Resolved Chlorine Reactivities of Dissolved Organic Matter** ***Prof. Zhimin Qiang,*** *School of Environmental Science and Engineering, Shanghai Jiao Tong University*
10:10-10:20	**Group Photo**
10:20-11:00	**Poster Session (Student Part) & Coffee Break**
11:00-11:30	**Plenary Speech 3: Beyond Concentration Measurements: New Perspectives for Monitoring Emerging Contaminants in Dynamic Urban Waters** ***Prof. Jérémy Masbou,*** *National School for Water and Environmental Engineering of Strasbourg (ENGEES); Researcher, Institut Terre et Environnement de Strasbourg (ITES, UMR 7063), University of Strasbourg/CNRS/ENGEES*
11:30-12:00	**Plenary Speech 4: Is European Wastewater-Based Epidemiology Applicable in Asian Countries?** ***Prof. Hyunook Kim,*** *Department of Environmental Engineering, University of Seoul*

Parallel Oral Sessions

Keynote and Invited Session I	
Wednesday Afternoon, December 2, 2026 | Room 109-110 (1F, Natural Science Building)	
Chairs: ***Prof. Zhimin Qiang and Prof. Ming-Chun Lu***	
14:00-14:20	**Keynote Speech WRE5416: Development of Peracetic Acid-Based Advanced Oxidation Process for Sustainable Water Remediation** ***Prof. Cheng-Di Dong,*** *National Kaohsiung University of Science and Technology*
14:20-14:40	**Keynote Speech WRE5415: Advancing Resource Recovery through Fluidized-Bed Homogeneous Crystallization Technology** ***Prof. Ming-Chun Lu****, National Chung Hsing University*
14:40-15:00	**Invited WRE5423: Historical and Technological Shifts from Analog to Digital Maps in Water Management** ***Prof. Carmen Elena Maftei,*** *Transilvania University of Brașov*
15:00-15:20	**Invited WRE5418: Optimization Study of Ultrasound-Assisted Oxidative Desulfurization Using a Novel Magnetic Particle Supported Phosphotungstic Acid Catalyst** ***Prof. Meng-Wei Wan,*** *Chia-Nan University of Pharmacy and Science*
15:20-15:40	**Invited WRE5422: From Classical to Modern Methods in Modeling Hydrological Time Series** ***Prof. Alina Bărbulescu,*** *Transilvania University of Brașov*
15:40-16:00	**Invited WRE5611: Designing Greener Antibiotics** ***Prof. Magne O. Sydnes,*** *University of Bergen*
16:00-16:40	**Poster Session (Regular Part) & Coffee Break**
16:40-17:00	**Keynote Speech WRE5738: Micro- and Nanobubbles Enhance the Performance of Aged Biological Activated Carbon Filters for Advanced Water Treatment** ***Prof. Chao Liu,*** *Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences*
17:00-17:20	**Keynote Speech WRE5732: Informing Climate-resilient Stormwater Policy in South Korea through Nature-based Infrastructure Monitoring and Resilience Assessment** ***Prof. Leehyung Kim,*** *Kongju National University*
17:20-17:40	**Invited WRE5633: Selective Electrochemical Nitrate Reduction to Ammonium by a Homogeneous Multi-Element Catalyst** ***Assoc. Prof. Jenn-Fang Su,*** *Chang Gung University*
17:40-18:00	**Invited WRE5564: From Agricultural Waste to Green Energy: Sustainable Binder Design for Aqueous Processing of Lithium Batteries** ***Assoc. Prof. Wei-Fan Kuan,*** *Chang Gung University*
18:00-18:20	**Invited WRE5498: Continuous Electrochemical Synthesis of Dopamine Decorated Magnetite for Enhanced Arsenic Removal from Synthetic Groundwater** ***Asst. Prof. Jui-Yen Lin,*** *National Kaohsiung University of Science and Technology*

Oral Session 1: Water Pollution Control, Adsorption & Electrochemistry

Wednesday Afternoon, December 2, 2026 | Room 218-219 (2F, Natural Science Building)

Chairs: *Prof. Tymon Zielinski and Assoc. Prof. Tsing-Hai Wang*

14:00-14:15	**WRE5638:** Evaluation of Sewage Sludge Treatment by Black Soldier Fly Larvae ***Prof. Chang-Ping Yu,*** *National Taiwan University*
14:15-14:30	**WRE5451:** Minimization of Disinfection By-Product Formation During Water Treatment Using an Experimental Laboratory Simulator with Online, Real-Time Reaction Monitoring ***Prof. Frants R. Lauritsen****, University of Southern Denmark*
14:30-14:45	**WRE5536:** Bipolar Membrane Electrodialysis for Simultaneous Nutrient Removal and Effluent Self-Neutralization of High-pH Eutrophic Water ***Dr. Dan Li,*** *Shanghai Jiao Tong University*
14:45-15:00	**WRE5538:** A System for the Retention and Treatment of Rainwater, Meltwater and Greywater ***Dr. Maciej Malarski,*** *Warsaw University of Technology*
15:00-15:15	**WRE5523:** Coagulation as a Method for Greywater Treatment ***Asst. Prof. Katarzyna Umiejewska,*** *Warsaw University of Technology*
15:15-15:30	**WRE5546:** ZIF Hybrid Adsorbents for Complex Multi-Dye Wastewater: A Scoping Review ***Asst. Prof. Lalaine Joan Limbago,*** *Mapúa Malayan Colleges Mindanao*
15:30-15:45	**WRE5660:** From Hospital to Waterways: The Effect of Wastewater Treatment on the Occurrence and Antimicrobial Resistance Profile of Escherichia coli and Klebsiella pneumoniae in Effluents ***Dr. Beverly B. Amparado,*** *Mindanao State University-Main Campus*
15:45-16:00	**WRE5677:** Rice Husk-Modified MIL-53(Al) Nanocomposites for the Adsorptive Remediation of Tetracycline in Simulated Wastewater: A Scoping Review ***Engr. Rev. Jericho R. Tubiera,*** *Mapúa Malayan Colleges Mindanao*
16:00-16:40	**Poster Session (Regular Part) & Coffee Break**
16:40-16:55	**WRE5694:** Development of CuO/NiO Composite Electrocatalysts for Electrochemical CO_2 Reduction to CH_4 ***Assoc. Prof. Leela Manohar Aeshala,*** *National Institute of Technology Warangal*
16:55-17:10	**WRE5676:** ZIF-Based Adsorption of Microplastics and Humic Acid in Water: A Scoping Review ***Engr. Rev. Jericho R. Tubiera,*** *Mapúa Malayan Colleges Mindanao*
17:10-17:25	**WRE5547:** Analysis of Littoral Beach Sediment Microplastics on the Shoreline of Davao City, Philippines ***Asst. Prof. Lalaine Joan Limbago,*** *Mapúa Malayan Colleges Mindanao*
17:25-17:40	**WRE5751:** Mechanisms and Regulation of Dual-Component Activation in Heterogeneous Catalytic Oxidation for Water Treatment ***Assoc. Prof. Guixiang Huang,*** *University of Science and Technology of China*
17:40-17:55	**WRE5745:** Oxygen-Vacancy-Induced Spin Polarization and Interfacial Charge Transfer in Fe_3O_4/Bamboo Charcoal Heterojunctions for Enhanced Photocatalytic Degradation of Orlistat ***Prof. Shunchang Yang,*** *Zhejiang University*
17:55-18:10	**WRE5485:** Integrating Constructed Wetlands and Biochar Adsorption for Enhanced Lincomycin Removal from Wastewater ***Dr. Nguyen Thi Thuong,*** *Ritsumeikan University*
18:10-18:25	**WRE5707:** Iron Removal from Synthetic Water Using Lab-Scale Gravity-Fed Filtration Columns ***Mr. Khalid AlZeidi,*** *Military Technological College*

Oral Session 2: Microplastics, Emerging Contaminants & Aquatic Ecology

Thursday Morning, December 3, 2026 | Room 109-110 (1F, Natural Science Building)

Chairs: Prof. Meng-Wei Wan and Prof. Jih-Hsing Chang

09:00-09:15	**WRE5643:** **Recalculating National Occurrence of Microplastics in China's Freshwater** ***Prof. Dongyu Xu,*** *China Institute of Water Resources and Hydropower Research*
09:15-09:30	**WRE5652:** **Bacterial Community Composition of Endemic Cyprinids in Lake Lanao, Philippines** ***M. S. Alejandro M. Gonzaga Jr.****, Mindanao State University-Marawi*
09:30-09:45	**WRE5590:** **Endangered Barbodes tumba Herre, 1924 (Cyprinidae), Endemic to Lake Lanao, Philippines, Persists in the Agus River, the Lake's Sole Outlet** ***Prof. Fema M. Abamo,*** *Mindanao State University –Main Campus*
09:45-10:00	**WRE5641:** **Co-Pollution of Microplastics and Emerging Organic Contaminants in Drinking Water Sources: Insights from a Systematic Review on Plastisphere-Associated Biological Risks** ***Dr. Yifan Zhao,*** *China Institute of Water Resources and Hydropower Research*
10:00-10:15	**WRE5642:** **Vertical Differentiation of Microplastics Influenced by Thermal Stratification in A Deep Reservoir** ***Prof. Bo Gao,*** *China Institute of Water Resources and Hydropower Research*
10:15-10:30	**WRE5640:** **From Awareness to Action: Understanding Household Single-Use Plastic Consumption in Pahang, Malaysia** ***Dr. Devika Krishnan,*** *Universiti Teknologi MARA (UiTM), Seremban Campus*
10:30-10:45	**Coffee Break**
10:45-11:00	**WRE5717:** **Multiphase Distribution and Apparent Partitioning of Antibiotics in The Tropical Nandu River Estuary, South China** ***Dr. Jianwei Dong,*** *Nanjing Normal University*
11:00-11:15	**WRE5675:** **Method Development for Mercury Screening in Milkfish (Chanos chanos) Gastrointestinal Tract Using Total Reflection X-Ray Fluorescence Spectroscopy** ***Mr. Reno S. Bia,*** *Industrial Technology Development Institute, Department of Science and Technology (DOST-ITDI)*
11:15-11:30	**WRE5655:** **Integrating Limnological Assessment and Geospatial Data Management for Conservation of Lake Lanao, Philippines** ***Prof. Jollymar Capistrano,*** *Mindanao State University–Main Campus*
11:30-11:45	**WRE5701:** **Photoelectrochemical Degradation of PPCPs over Cu_2O/TiO_2 Nanotube Array Photoanodes: Mechanisms and Toxicity Assessment** ***Dr. Fang-Yu Liang,*** *National Sun Yat-sen University*
11:45-12:00	**WRE5624:** **Reach-Scale and Regional Associations Between Low-Head Dam Distribution and Benthic Macroinvertebrate Assemblages** ***Dr. Aiju You,*** *Zhejiang Institute of Hydraulics and Estuary (Zhejiang Institute of Marine Planning and Design)*
12:00-12:15	**WRE5741:** **A Study on the Optimization of the Ecological Security Pattern in Lanzhou City Based on Water Resources and Water Environment Constraints** ***Dr. Kai Ma,*** *Lanzhou Jiaotong University*
12:15-12:25	**Award Presentation – Oral Session 2**

Postgraduate Forum I

Thursday Morning, December 3, 2026 | Room 208-209 (2F, Natural Science Building)

Chairs: *Prof. Gen-Shuh Wang and Assoc. Prof. Ching-Lung Chen*

09:00-09:10	**WRE5599:** Carbon-Architecture-Tuned Piezoelectric PVDF Membranes for Ultrasonically Activated Dye Removal from Water ***Mr. John Marvin A. Virtucio,*** *Mapua University*
09:10-09:20	**WRE5615:** Performance of a Novel Sulfur-Based Biocarrier in an Upflow Autotrophic Denitrification Reactor ***Mr. You-Ren Yang****, National Central University*
09:20-09:30	**WRE5635:** Quantifying Intra-Annual Water Quality Dynamics in the Danube Delta Using a Station-Specific Entropy-Weighted Index ***Ms. Elif Kartal,*** *Istanbul Technical University*
09:30-09:40	**WRE5653:** Application of Fluidized Bed Homogeneous Crystallization Technology for Decomposition of EDTA-Cu Using Persulfate and Recovery of Cu(II) ***Ms. Chia-Ni Sung,*** *National Chung Hsing University*
09:40-09:50	**WRE5671:** Mixing-Assisted Oxidative Desulfurization Using Magnetic-Supported Phosphotungstic Acid: Parametric Evaluation of Synthetic and Water-Treatment Sludge-Derived Magnetic Supports ***Ms. Andrey Clarice G. Gelogo,*** *De La Salle University*
09:50-10:00	**WRE5704:** Sulfur-Amended Multi-Soil-Layering for Wastewater Nutrient Removal: A Step Toward Lower-Carbon Treatment ***Mr. Po-Yen Yang,*** *National Taiwan University of Science and Technology*
10:00-10:10	**WRE5436:** Qualitative and Quantitative Analysis of Microplastics in House Dust in Japan ***Ms. Zcelina Kristle Oyson,*** *Tokyo City University*
10:10-10:20	**WRE5685:** Assessing Climate Vulnerability Index (CVI) in Small Offshore Islands: A Case Study of Lienchiang County ***Mr. Jia-Le Liu,*** *National Taiwan University of Science and Technology*
10:20-10:30	**WRE5437:** MNPs (Micronanoplastics) Atmospheric Deposition in Forested and Open Space of an Urban Area ***Ms. Annisa Nikmatul Lathifah,*** *Tokyo City University*
10:30-10:40	**Coffee Break**
10:40-10:50	**WRE5509:** Effectiveness and Implications of Sediment Dredging Remediation for Heavy Metal Pollution ***Mr. I-Min Wu,*** *National Sun Yat-Sen University*
10:50-11:00	**WRE5648:** Valorization of Lotus Seedpods (Nelumbinis receptaculum) as Electron Transfer-Steered Antiviral Potential Against Influenza A (H1N1) for Value-added Production in Circular Economy ***Mr. Robert Villarin Obiano,*** *Mapua University*
11:00-11:10	**WRE5628:** Resource Recovery of Fluidized-Bed Fenton (FBR-Fenton) δ-FeOOH Waste: Application to Photo-Fenton Processes ***Mr. Wee Yan Kit,*** *National Cheng Kung University*
11:10-11:20	**WRE5646:** Deciphering the Electron Shuttle-Associated Neuroprotective Properties of White and Red Dragon Fruit Peel Extracts Using Microbial Fuel Cell Analysis for Waste Valorization ***Ms. Yasmin Kaye Borja,*** *Mapua University*

11:20-11:30	**WRE5702:** **Waste PET-Derived Ni-MOF/TiO_2 Nanotube Arrays for Photoelectrocatalytic Ethylene Glycol Valorization Coupled with Hydrogen Production** ***Ms. Chia-En Tsai,*** *National Sun Yat-sen University*
11:30-11:40	**WRE5670:** **Lignin-based Binders for Aqueous Fabrication and Direct Regeneration of $LiFePO_4$ Lithium Batteries** ***Ms. Chih-Min Chang,*** *Chang Gung University*
11:40-11:50	**WRE5578:** **Salt-induced Piezoelectric β-PVDF Membranes Integrated with an Ultrasonic Atomization System for Energy-Efficient Dye Separation** ***Mr. Kenshin D Lopez,*** *Mapua University*
11:50-12:00	**WRE5706:** **Valorization of Defatted Black Soldier Fly (*Hermetia illucens*) Biomass into Chitosan: Sequential Extraction Optimization by Response Surface Methodology** ***Ms. Nguyen Thi Phung,*** *National Chung Hsing University*
12:00-12:10	**WRE5522:** **Rationally Designed Pd/Cu Electrodes for Efficient and Selective Electrochemical Reduction of Nitrate to Nitrogen Conversion** ***Mr. Fu-Yi Chang,*** *Ming Chi University of Technology*
12:10-12:20	**WRE5572:** **From Wastewater Tracers to Ecological Risk: Global Prioritization of Artificial Sweeteners in WWTP-Receiving Waters** ***Mr. Jibin Li,*** *University of Technology Sydney*
12:20-12:30	**Award Presentation – Postgraduate Forum I**

Postgraduate Forum II

Thursday Morning, December 3, 2026 | Room 218-219 (2F, Natural Science Building)

Chairs: ***Dr. Matej Vojtek and Prof. Yao-Tung Lin***

09:00-09:10	**WRE5525:** **Application of a YOLO Image Recognition System to Support Pollution Source Control: A Case Study of Kaohsiung City** ***Ms. Ming-Fong Yu,*** *National Sun Yat-sen University*
09:10-09:20	**WRE5735:** **Blind Spots in Extreme Weather: Explainable AI for Stormwater Monitoring and Green Infrastructure Resilience** ***Mr. Miguel Enrico Robles****, Kongju National University*
09:20-09:30	**WRE5551:** **Seasonal Rainfall Forecasting over the Chao Phraya Basin by Drought-Robust Learned Downscaling of SEAS5** ***Mr. Nithinan Sapanon,*** *King Mongkut's University of Technology Thonburi*
09:30-09:40	**WRE5740:** **Wet–Dry Contrasts Reveal Decoupling Between Groundwater-Derived Nutrient-Loading Magnitude and Dissolved Inorganic N:P Stoichiometry in Groundwater at a Shallow Lake Margin** ***Ms. Saier Chen,*** *China University of Geosciences*
09:40-09:50	**WRE5602:** **Microbial Enrichment and Potential Metabolic Pathways Linking Choline to Methane Production in Anaerobic Sediments from S. alterniflora-invaded Coastal Wetlands** ***Mr. Kuan-Chung Pao,*** *National Taiwan University*
09:50-10:00	**WRE5711:** **Stochastic Modeling of Spatiotemporal Microplastic Evolution and Transport in Open-Channel Flow** ***Mr. Meng-Ti Chen,*** *National Taiwan University*

10:00-10:10	**WRE5686: Air Pollutant Purification and Health Co-Benefits of Urban Trees in Five Districts of Taipei City Using AERMOD and GIS** ***Mr. Chih-Chien Lin,*** *National Taipei University of Technology*
10:10-10:20	**WRE5656: Reliability Assessment of Electrical Submersible Pumps for Community-Based Pipe Water Systems in Ghana** ***Ms. Leticia Osae Adum,*** *Accra Technical University*
10:20-10:30	**WRE5730: Optimization of Vegetation Spatial Patterns Under Future Water Resource Constraints** ***Ms. Yujie Yuan,*** *Taiyuan University of Technology*
10:30-10:40	**Coffee Break**
10:40-10:50	**WRE5472: Influence of Different Potassium Hydroxide Activation Concentrations on Biochar Characteristics and Cr(VI) Adsorption Performance** ***Ms. Peng-Jhen Chen,*** *National Yunlin University of Science and Technology*
10:50-11:00	**WRE5489: Incorporation of Carbon Quantum Dots on Thin-Film Nanocomposite Membrane with Graphene Oxide Interlayer for Organic Pollutant Removal** ***Mr. Gabriel Carballo,*** *National Taiwan University of Science and Technology*
11:00-11:10	**WRE5507: Satellite-Based Monitoring of Intake Water Quality to Support SWRO Pretreatment and Operational Risk Management in Qatar** ***Mr. Mohammad Tajik,*** *Hamad Bin Khalifa University*
11:10-11:20	**WRE5517: Investigating the Role of Molybdenum in Reactive Oxygen Species Generation and Mineralization during Three-Phase Photo-Fenton Oxidation** ***Mr. Cai-Sheng Lin,*** *National Cheng Kung University*
11:20-11:30	**WRE5528: Treating Wastewater with Waste: Coffee-Ground Biochar Enhances Constructed Wetland Treatment of Agricultural Drainage via Substrate–Plant–Microbe Interactions** ***Mr. Yuansong Tian,*** *Shanghai Jiao Tong University*
11:30-11:40	**WRE5550: Visible-light-driven Peroxymonosulfate Activation over NH_2-MIL-125(Ti)@ZIF-67 Z-scheme Heterojunction for Efficient Pharmaceutical Removal from Water** ***Mr. Van-Thuan Nguyen,*** *National Kaohsiung University of Science and Technology*
11:40-11:50	**WRE5637: Occurrence and Removal Efficiency of Microplastics in Aerobic and Anaerobic Treatment Units of Real Sewage Treatment Plants: A Semi-Arid Case Study from India** ***Ms. Sushma Kumari,*** *Indian Institute of Technology Jodhpur*
11:50-12:00	**WRE5747: Rainfall-Driven Flood Prediction Using Machine and Deep Learning: A Comparative Framework for the Lower Godavari Basin** ***Ms. Kara Reshma,*** *Mahindra University*
12:00-12:10	**WRE5734: Enhancing Urban Climate Resilience Through Multifunctional Nature-Based Stormwater Solutions and AI-assisted Monitoring** ***Mr. Haque Md Tashdedul,*** *Kongju National University*
12:10-12:20	**Award Presentation – Postgraduate Forum II**

Invited Session II

Thursday Afternoon, December 3, 2026 | Room 109-110 (1F, Natural Science Building)

Chairs: ***Prof. Chao Liu and Prof. Daniel Słyś***

13:40-14:00	**Invited WRE5722: Water-Energy-AI Nexus for Decarbonization and a Circular Economy** ***Assoc. Prof. SungKu Heo,*** *Kangwon National University*
14:00-14:20	**Invited WRE5563: Designing Nanocomposite Membranes for Specific Water Treatment Applications** ***Prof. Baolin Deng****, University of Missouri*
14:20-14:40	**Invited WRE5592: Multi-Objective Fuzzy Optimization of Ultrasound-Assisted Oxidative Desulfurization for Dibenzothiophene** ***Prof. Angelo Earvin Sy Choi,*** *De La Salle University*
14:40-15:00	**Invited WRE5582: Functionalized Electrode Materials for Electrochemical Detection and Selective Conversion of Aqueous Pollutants** ***Assoc. Prof. Ching-Lung Chen,*** *Ming Chi University of Technology*
15:00-15:20	**Invited WRE5461: Climate Adaptation Strategies from the Perspective of Carbon Sequestration using Spatial Heterogeneity Analysis of Urban Land Use** ***Assoc. Prof. I-Chun Chen,*** *Chinese Culture University*
15:20-15:40	**Invited WRE5695: Welfare Analysis of Mining Subsidies in an R&D-based Growth Model with Cost-Reducing Innovation for Seabed Mineral Resource Extraction** ***Prof. Yoshihiro Hamaguchi,*** *Hannan University*
15:40-16:00	**Coffee Break**
16:00-16:20	**Invited WRE5575: Ocean and Society: From Scientific Knowledge to Societal Engagement to Strengthen Effective Science-Decision Making Interface** ***Prof. Tymon Zielinski,*** *Climate and Ocean Research and Education Unit Institute of Oceanology Polish Academy of Sciences*
16:20-16:40	**Invited WRE5651: Cross-Seasonal Multivariate Analysis of Heavy Metal Partitioning and Nitrogen/Organic Pollution Control Mechanisms in Urban Waterways** ***Prof. Jih-Hsing Chang,*** *Chaoyang University of Technology*
16:40-17:00	**Invited WRE5663: Reactivity of Seawater Calcium and Magnesium Acquired Through Photothermal Evaporation** ***Assoc. Prof. Tsing-Hai Wang,*** *Yuan Ze University*
17:00-17:20	**Invited WRE5693: Biofilm Community Succession and Legionella pneumophila Persistence under Drinking Water Stagnation and Periodic Renewal** ***Assoc. Prof. Ting Xie,*** *Guangxi Minzu University*

Oral Session 3: Hydrology, Groundwater & Flood Risk

Thursday Afternoon, December 3, 2026 | Room 208-209 (2F, Natural Science Building)

Chairs: ***Prof. Alina Bărbulescu and Prof. Carmen Elena Maftei***

14:00-14:15	**WRE5609: Rain Drop Size and Fall Velocity Distributions During Turbulence** ***Dr. Merhala Thurai,*** *Colorado State University*
14:15-14:30	**WRE5420: Developing Integrated Hydrologic Modeling and Flood Mitigation Strategies for the Takwi Creek Watershed, Philippines** ***Dr. Maria Cristina V. David****, Pampanga State Agricultural University*
14:30-14:45	**WRE5595: Hydrological Responses of Vegetated Unsaturated Slopes to Historical Rainfall Patterns and Future Climate Projections** ***Assoc. Prof. Qi Zhang,*** *Nanjing University*
14:45-15:00	**WRE5698: Fluvial Flood Inundation Emulation Using Neural Networks Trained on Hydraulic Simulation Data** ***Dr. Matej Vojtek,*** *Constantine the Philosopher University in Nitra*
15:00-15:15	**WRE5577: A Water Resources Systems Analysis Framework for Groundwater Governance: Sensing, Optimization, Validation, Intervention, and Resilience (SOVIR)** ***Prof. Mulugeta Dadi,*** *Hawassa University*
15:15-15:30	**WRE5541: A Simulation-Optimization Approach for Comprehensive Characterization of Clandestine Groundwater Contamination Sources** ***Dr. Om Prakash,*** *Indian Institute of Technology Patna*
15:30-15:45	**WRE5544: High Temporal Resolution In-Situ Monitoring of Groundwater Nitrate Concentrations Using UV-Vis Spectrophotometer Probe** ***Dr. Mester Tamas,*** *University of Debrecen*
15:45-16:05	**Coffee Break**
16:05-16:20	**WRE5431: Scenario-Based River Water Quality Simulation for Pollution Control Using QUAL2Kw** ***Prof. Yi-Ching Chen,*** *Da-Yeh University*
16:20-16:35	**WRE5552: Development and Case Study Analysis of China's SkyCoMuS Groundwater Numerical Simulation Model** ***Dr. Lu Wen,*** *China Institute of Water Resources and Hydropower Research*
16:35-16:50	**WRE5481: Hydrometeorological and Landscape Features Influencing Stormflow Hydrograph Separation Using High Temporal Frequency Tracer Data** ***Dr. Giovanny Mosquera,*** *Pontificia Universidad Católica del Perú*
16:50-17:05	**WRE5464: Control of Water Logging Problem in Urban Areas Through Engineered Subsurface Structures** ***Assoc. Prof. Ali Al-Maktoumi,*** *Sultan Qaboos University*
17:05-17:20	**WRE5508: Estimates of the Contribution of the Siberian Rivers (The Ob and The Yenisei) into Radioactive Pollution of the Arctic** ***Dr. Lidiia Bondareva,*** *Federal Scientific Centre of Hygiene named after F. F. Erisman*
17:20-17:30	**Award Presentation – Oral Session 3**

Oral Session 4: Climate, Carbon, Land-Surface & Governance

Thursday Afternoon, December 3, 2026 | Room 218-219 (2F, Natural Science Building)

Chairs: *Prof. Chang-Ping Yu and Assoc. Prof. Ting Xie*

14:00-14:15	**WRE5684: Climate Change and Human Impact on the Aeolian Desertification and Dust storm in Mongolia** ***Dr. Tao Wang,*** *Northwest Institute of Eco-Environment and Resources, CAS*
14:15-14:30	**WRE5622: Building Climate-Resilient Communities Through Integrated Water-Energy-Food-Environment (WEFE) Nexus Modelling** ***Dr. Izni Zahidi****, Monash University Malaysia*
14:30-14:45	**WRE5682: A Comparison of the Effectiveness of Typical Governance Models of China's Protected Areas — From the Perspective of Community Residents' Perception** ***Prof. Shengzhi Li and Dr. Xiaolan Wang,*** *Institute of Ecological Civilization, Sichuan Academy of Social Sciences*
14:45-15:00	**WRE5691:** Spatial Risk Governance for Build Back Better: Evidence from Balza, Malinao, Albay, Philippines ***Prof. Ana Marie Abante,*** *Bicol University*
15:00-15:15	**WRE5470: Headwater Valuation as a Tool for Economic Development, Watershed Management, and Water Resilience – A California Case Study** ***Dr. Yung-Hsin Sun,*** *Sunzi Consulting*
15:15-15:30	**WRE5467: Enhancing Reference Evapotranspiration Prediction Using Hybrid Deep Learning Models with Dual Boosting in Arid Coastal Climates** ***Dr. Hussam Eldin Elzain,*** *Sultan Qaboos University*
15:30-15:45	**WRE5430: From Climate Concern to Pro-Environmental Action: Evidence from A Nationally Representative Hungarian Survey** ***Dr. Emőke Kiss,*** *University of Debrecen*
15:45-16:05	**Coffee Break**
16:05-16:20	**WRE5625: Exploration of Reservoir Carbon Cycles and Climate Change** ***Dr. Yufei Bao,*** *China Institute of Water Resources and Hydropower Research*
16:20-16:35	**WRE5620: Integrating Economic Valuation into Climate-Resilient Urban Wetland Management: A Choice Experiment Framework for Putrajaya, Malaysia** ***Dr. Suziana Hassan,*** *The National University of Malaysia*
16:35-16:50	**WRE5703: Land Surface Temperature and Groundwater Dynamics in Urban Arid Kuwait: A Decadal Perspective** ***Dr. Yogeesha Jayaramu,*** *Kuwait Institute for Scientific Research*
16:50-17:05	**WRE5715: Quantitative Attribution of the Impacts of Climate and Land-Cover Changes on Runoff in the Lake Erhai Basin During the Holocene** ***Assoc. Prof. Hui Xie,*** *Nanjing Institute of Geography and Limnology, CAS*
17:05-17:20	**WRE5613: Root–Rhizosphere Responses of Summer Maize to Drought Severity** ***Dr. Wuxia Bi,*** *China Institute of Water Resources and Hydropower Research*
17:20-17:35	**WRE5672: Comparative Assessment of Sentinel-2 MSI and Landsat 8 OLI Spectral Indices for Soil Salinity Mapping in a Fragmented Arid Coastal Valley (Bajo Chancay–Lambayeque, Peru)** ***Mr. Franz Axel Rafaile Camacho and Prof. Fernando Garcia Fernandez,*** *Peruvian University of Applied Sciences*
17:35-17:40	**Award Presentation – Oral Session 4**

Video Presentations

Video Presentations Link: *http://www.academicconf.com/video?confname=wre2026*

WRE5555	**Impact of Climate Change on Groundwater Potential and Sustainability of the Chiang Rai Groundwater Basin, Northern Thailand** ***Ms. Jurarud Yanawongsa,*** *Chiang Mai University*
WRE5606	**Analysis of Eutrophication in the Piranhas River Basin After Inter-Basin Water Transfer** ***Dr. Erika Alves Tavares Marques,*** *Federal University of Pernambuco*
WRE5680	**Five-Fold Groundwater Salinity Variation Within a Coastal Tamil Nadu Village: A Geospatial Interpolation Study** ***Mr. Akula Manideep Reddy,*** *Amrita Vishwa Vidyapeetham*
WRE5699	**Modeling Arsenic Transport in Shallow Groundwater near Unlined Waste-Disposal Pits in Chachoengsao Province, Thailand** ***Mr. Kaung Myat Kyaw,*** *Chiang Mai University*
WRE5567	**Comparative Evaluation using ANOVA of the Classical Pressure Drop Equations in Pressurized Systems with Smooth Pipes** ***Dr. Deneira Sueli Guerra Montaño,*** *Universidad Peruana de Ciencias Aplicadas*

Poster Session

Student Poster Session	
10:20-11:00, Wednesday, December 2, 2026 | Outside Area of Room 218-219 (2F, Natural Science Building)	
Chairs: ***Prof. Yoshihiro Hamaguchi and Assoc. Prof. Jenn-Fang Su***	
WRE5496	**Control of Sludge Conditioning in Alkaline Electrolysis Systems** ***Ms. Chieh-Yun Wu,*** *National Kaohsiung University of Science and Technology*
WRE5520	**Linking Sediment Chemistry, Physicochemical Properties, and Oxidative Stress Responses in Brine Shrimp Nauplii (*Artemia salina*)** ***Ms. Noralyn G. Dimaongon,*** *National Kaohsiung University of Science and Technology*
WRE5521	**Investigating the Effect of Deep Eutectic Solvent on the Leaching Efficiency of Metals from NCA Cathode Materials** ***Mr. Jing-Han Teng,*** *Ming Chi University of Technology*
WRE5526	**Sustainable Recycling of Lithium-Ion Batteries Using Deep Eutectic Solvents for Selective Recovery of Critical Metals** ***Ms. Wen-Xin Chen,*** *Ming Chi University of Technology*
WRE5527	**Recovery of Critical Metals from End-of-Life LCO and LMO Cathodes Using Deep Eutectic Solvents** ***Ms. Yu-Xuan Dai,*** *Ming Chi University of Technology*
WRE5554	**Micro-level Fluoride Community Risk Assessment of a Groundwater Dependent Area in Eastern India** ***Ms. Namrata Sahu,*** *Indian Institute of Technology Kharagpur*
WRE5556	**Silver-doped Selenium PANI Photocatalytic Hydrogels for the Degradation of Diclofenac Sodium** ***Ms. Saswata Sahu,*** *Indian Institute of Technology Kharagpur*
WRE5588	**Quantitative Limits of ΔpH Interpretation: Absolute Hydrogen-Ion Context Loss and Ranking Reversal in Public pH Data** ***Mr. Eunsung You,*** *Cheongna Dalton School* ***Mr. Donghoon Lee****, Seoul International School*
WRE5631	**Enhancement of Extracellular Polymeric Substances (EPS) Octylphenol Polyethoxylates (OPEOn) Biodegradation** ***Ms. Hsuan-Ju Liu,*** *Soochow University*
WRE5634	**A Spatiotemporal Hybrid Framework for Regional Flood Forecasting** ***Ms. Jiayao Zhang and Mr. Zhengyang Wang,*** *Beijing Normal-Hong Kong Baptist University*
WRE5649	**Remote Sensing Assessment of Drought Dynamics in the Balkhash–Alakol Basin** ***Ms. Dilnaz Nurlanova,*** *Institute of Geography and Water Security*
WRE5658	**Development of a Predictive Model for Process Control and Sludge Minimization in Fluidized-Bed Homogeneous Crystallization for Aluminum Removal** ***Ms. Chung-Hsin Yu,*** *National Chung Hsing University*
WRE5667	**Forecasting Residential Water Demand Under Climatic and Demographic Shocks: A Multivariate LSTM Ensemble Approach in Dipolog City** ***Mr. John Alec Necosia Cañoneo,*** *Mindanao State University - Iligan Institute of Technology*

WRE5669	**Climate-Driven Shifts in Rainfall Extremes and Hydrological Risk in the Black Volta Basin under SSP1-2.6 and SSP3-7.0** ***Mr. Archibald Quaye,*** *Accra Technical University*
WRE5710	**Drinking-Water Accessibility During E-Scooter Travel in an Arid Urban Environment** ***Ms. Adriana Montoya Mota,*** *University of Texas at El Paso*
WRE5744	**LocaSort: Source-Grounded Generation of Location Specific Household Waste-sorting Guides for Circular Resource Recovery** ***Ms. Giwa Osaruiyobo Henrietta,*** *Daegu Gyeongbuk Institute of Science and Technology*

Regular Poster Session

16:00-16:40, Wednesday, December 2, 2026 | Outside Area of Room 218-219 (2F, Natural Science Building)

Chairs: ***Prof. Yao-Tung Lin and Assoc. Prof. Wei-Fan Kuan***

WRE5421	**Tree-Based Ensemble Models for WQI-Derived Groundwater Quality Classification: Well-Grouped Validation and Predictor Reduction** ***Dr. Dániel Balla,*** *University of Debrecen*
WRE5510	**Development of PFAS-Free Green Electrospun Polysulfone Membranes for Air-Gap Membrane Distillation Using Sustainable Solvent Systems** ***Assoc. Prof. Bahar Ozbey Unal,*** *Gebze Technical University*
WRE5511	**Sustainable Valorization of Olive Mill Wastewater through Optimized Solvent Extraction of Phenolic Compounds** ***Assoc. Prof. Cigdem Balcik,*** *Gebze Technical University*
WRE5524	**Comparison of Characteristics of Selected Greywater Streams in Context of Water Recovery** ***Prof. Monika Zubrowska-Sudol,*** *Warsaw University of Technology*
WRE5535	**Innovative System for Rainwater Retention in Drainage Systems** ***Prof. Daniel Słyś,*** *Rzeszow University of Technology*
WRE5610	**Monitoring Hydrological Components from Atmosphere to Groundwater in Drylands Ecosystems Using Multi-Source Satellite Remote Sensing Data** ***Assoc. Prof. Youngwook Kim,*** *United Arab Emirates University*
WRE5632	**Greenhouse Gas and Particle Size Dynamics in Emissions from Diverse Incense Products** ***Prof. Chia-Hsiang Lai,*** *National Formosa University*
WRE5650	**Preliminary Efficacy of a Solar-Powered Electrocatalytic System for In-Situ Purification of Polluted Canal Water** ***Prof. Jih-Hsing Chang,*** *Chaoyang University of Technology*
WRE5661	**Local Knowledge, Drivers of Biodiversity Loss, and Conservation Pathways for Endemic Cyprinids in Lake Lanao, Philippines** ***Dr. Annie Rose Cadeliña,*** *Mindanao State University-Main Campus*
WRE5674	**Removal of Per- and Polyfluoroalkyl Substances in Water with Activated Carbon: A Comparative Study between Carbons Made with Coconut Shell and Coal** ***Prof. Gen-Shuh Wang,*** *National Taiwan University*

WRE5679	**Analysis of Anaerobic Digester Performance and Effect of Hydrothermal Pretreatment: A Case Study in a Wastewater Treatment Plant** ***Dr. Pei-Hsun Wu,*** *National Taiwan University*
WRE5689	**Water Treatment Process Setpoint Control Using Deep Q-Network Integrated with Predictive Sequence Modelling** ***Assoc. Prof. Yu-Hao Lin,*** *National Chung Hsing University*
WRE5697	**Effect of Preparation Parameters and Drying Conditions on the Properties of Amidoxime-Based Polymeric Materials as Potential Adsorbents** ***Assoc. Prof. Shan-Yi Shen,*** *Da-Yeh University*
WRE5712	**Automated Chemical Separation and Purification Using a Sensor-Driven Open-Column Chromatographic System** ***Dr. Jongkwang Lee,*** *Korea Atomic Energy Research Institute*
WRE5718	**Magnetic Clay-Biochar Composites Derived from Ghanaian Kaolinite and Agricultural Wastes for Arsenic Removal from Aqueous Media** ***Mr. John Boateng Nkansah,*** *Accra Technical University*
WRE5727	**Development of an Optimal Reservoir System Operation Manual for Drought Scenarios in the Seomjin River Basin** ***Dr. JeongIn Yoon,*** *Ajou University*
WRE5742	**Microplastics Bio-immobilization by nano-cellulose-producing bacteria, Novacetimonas hansenii PA9** ***Asst. Prof. Yi-Sheng Tseng,*** *National Kaohsiung University of Science and Technology*
WRE5755	**Diversity and Distribution of Bacteria in Commonly Consumed Fishes of Lake Lanao, Philippines** ***Dr. Ma-ann Camarin,*** *Mindanao State University-Main Campus*
WRE5417	**Iron-Modified Biochar Coupled with Near-Infrared Irradiation for Thermal Persulfate Activation to Degrade 1,2-Dichloroethane** ***Assoc. Prof. Ku-Fan Chen,*** *National Sun Yat-sen University*
WRE5584	**GREEN-STP: A Local-First Framework for Ecological Regeneration Using Treated Wastewater. Model Application Using Operating Data from Al Saad Sewage Treatment Plant, Al Ain, UAE** ***Dr. Munaver Basheer Ahamed,*** *United Arab Emirates University*
WRE5748	**Strengthening Sewerage Planning and Regulatory Governance for Sustainable Infrastructure in Malaysia** ***Ms. Nurul Ashikeen Kamaruzaman,*** *Suruhanjaya Perkhidmatan Air Negara (SPAN) / National Water Services Commission*
WRE5673	**From Edible Landscape Experience to Revisit Intention: The Mediating Role of Destination Social Responsibility in Sustainable Agritourism** ***Dr. Kuo-Wei Lan,*** *I-Shou University*
WRE5657	**Conditional PINN Surrogates for Bayesian Groundwater Contaminant Source Identification: Predictive Error and Inversion Behavior Disagree** ***Mr. Jun-Ying Huang,*** *Stantec Consulting Services Inc., Taiwan Branch*
WRE5488	**Preliminary Performance Verification of UVC LED Technology in High-Flow Water Disinfection Modules** ***Ms. Sunny Wang,*** *Massphoton Limited*

PRESENTATION GUIDELINES

Oral Presentation Guidelines

Devices Provided by the Conference Organizer:

- Desktops (with MS Office & Adobe Reader)
- Projectors & Screen: Ratio 16:9
- Laser Pointers
- Microphones

Materials Provided by the Oral Presenters:

- PowerPoint (Note: Please show your paper ID as **WRE****** on the last page.)

For presenters who don't send the PowerPoint to the Conference in advance, please have your presentation ready in a memory stick, and save it on the laptop of your corresponding session about **15 minutes** before the session starts.

Duration of Each Presentation

- Plenary Speech: 30 minutes of presentation, including 3-5 minutes of Q&A
- Keynote Speech: 20 minutes of presentation, including 3-5 minutes of Q&A
- Invited Speech: 20 minutes of presentation, including 3-5 minutes of Q&A
- Oral Presentation: 15 minutes of presentation, including 3-5 minutes of Q&A
- Student Oral Presentation: 10 minutes of presentation, including 1-2 minutes of Q&A

Poster Presentation Guidelines

Materials Provided by the Conference Organizer:

- Poster Softboard
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Homemade Posters (Material: not limited; Size: 60 cm (width) × 160 cm (height))
- Posters Printed by Conference

Instructions:

- Each presenter is required to stand by their poster during the dedicated poster session on **December 2 from 10:20 to 11:00 (Student Part) and December 2 from 16:00-16:40 (Regular Part)** to facilitate discussion and exchange with fellow participants. Judging for the Best and Outstanding Poster Presentation Awards will take place during this session, and the winners will be announced at the Awarding Ceremony (18:30-18:50) on December 2.
- Presenters are responsible for removing their posters by this deadline. The Conference Secretariat will not be liable for any posters left uncollected after presentation.

AWARDS

The WRE 2026 Organizing Committee will present the following awards to recognize outstanding scientific contributions. All winners are determined by the respective session chairs based on scientific merit, originality, clarity of presentation, and response to questions.

Best Oral Presentation Awards

Four Best Oral Presentation Awards will be conferred, one for each of Oral Sessions 1 through 4, based on the evaluations of the respective session chairs. The winner from Oral Session 1 will be announced and presented with a certificate at the Awarding Ceremony (18:30-18:50) on December 2, while the winners from Oral Sessions 2–4 will be announced and awarded at the conclusion of their respective sessions. **Each award comprises a certificate and complimentary registration for the next WRE conference.**

Best Poster Presentation Awards

Two Best Poster Awards will be conferred—one for the Student Category and one for the Regular Category of the Poster Session—based on evaluations by the poster session chairs. Winners will be announced and presented with a certificate at the Awarding Ceremony (18:30-18:50) on December 2. **Each award comprises a certificate and complimentary registration for the next WRE conference.**

Best Student Presentation Awards

These awards recognize outstanding research by undergraduate, Master's, and PhD students in water resources and environment as well as their ability to communicate effectively. One award is granted from each Postgraduate Forum; winners are announced and presented with a certificate at the end of each forum, and each receives **complimentary registration for the next WRE conference**.

(The following runner-up awards are presented to recognize additional outstanding presentations. These awards consist of a certificate only.)

Outstanding Student Presentation Awards *(runner-up)*

Two recipients will be granted from each Postgraduate Forum. Winners will be announced and presented with a certificate at the end of each forum.

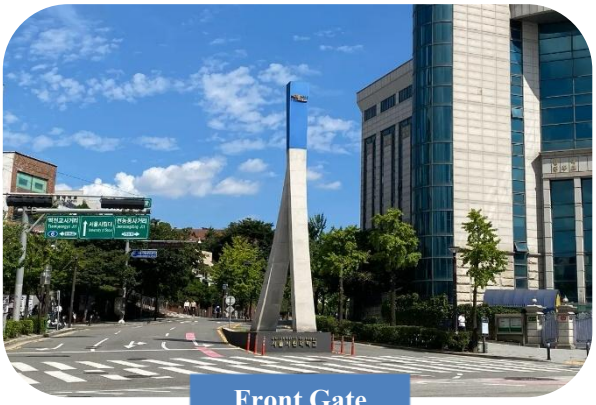
Outstanding Poster Presentation Awards *(runner-up)*

Four recipients will be selected—two for the Student Part and two for the Regular Part of the Poster Session—by the poster session chairs. Winners will be announced and presented with a certificate at the Awarding Ceremony (18:30-18:50) on December 2.

CONFERENCE VENUE

The University of Seoul (서울시립대학교)

Address: 163 Seoulsiripdae-ro, Dongdaemun-gu, Seoul, 02504, Republic of Korea
Website: https://www.uos.ac.kr/eng/web/main


Front Gate

For more than 100 years since its establishment in 1918, the University of Seoul has faithfully performed its mission to explore truth and to serve society through creative research. As a result, the University of Seoul is recognized as a well-taught university and is evaluated as a small but strong university that conducts influential and substantial research.

With all these assets, the University of Seoul will continue to produce leaders of the future Korea with challenge spirit and warm humanity, and to present a new model of prestigious universities leading the era of the Industry 4.0 through extensive support for Big Data, Artificial Intelligence, Intelligent Semiconductors, and Smart Cities. Furthermore, based on the educational and research achievements so far, the University of Seoul will play a role as a responsible public university that contributes to the development of the country and human society as well as solving problems in Seoul. The University of Seoul has grown into a prestigious university in Korea over the past 100 years, and it will become a world-class educational and research institution that rivals the world's leading universities for the next 100 years.

Campus Map

All technical sessions will be in the Natural Science Building.



Access to the Venue

1. From Incheon International Airport — Cheongnyangni Station (About 65 km)

- **Bus:** Airport Limousine #6002 direct to **Cheongnyangni Station** (final stop), about 1 h 20 min, fare KRW 17,000. (See Item 3)
- **Subway:** AREX (Airport Railroad) to Seoul Station, transfer to Subway Line 1 to **Cheongnyangni Station**, about 75–90 min, fare approx. KRW 4,500–6,000. (See Item 3)
- **Taxi:** about 60–80 min (90+ min in rush hour), fare approx. KRW 80,000–90,000.

2. From Gimpo International Airport — Cheongnyangni or Hoegi Station (About 25 km)

- **Bus:** No direct airport limousine bus to the campus; use subway or taxi below.
- **Subway:** Take Subway Line 5 and transfer to Line 1 at Jongno 3-ga to **Cheongnyangni or Hoegi Station**, about 50–60 min, fare approx. KRW 3,500–5,000. (See Item 3 and 4) (Alternatively, get off at Dapsimni, the closest station to UOS, and take a short taxi about KRW 7,000 to the campus.)
- **Taxi:** about 25–30 min, fare approx. KRW 40,000–50,000 (up to 4 persons).

3. From Cheongnyangni Station — University of Seoul (About 1 km)

- **Bus:** Take Exit 4 or 5, board Bus 2230, 2311, 3216, 121, 420, 3220, or 720, and get off at the 3rd bus stop, University of Seoul.
- **On foot:** Take Exit 3, walk straight 300 m, pass Cafe Sisa, use the crosswalk to the **front gate** (about 5–10 min).

4. From Hoegi Station — University of Seoul (About 1 km)

- **On Foot —** side gate: Take Exit 2, crosswalk, pass J Proud, Kyunghee Mart, and Coffee Bay to the side gate (about 10 min).
- **On Foot —** back gate: Take Exit 2, pass Sewon Real Estate, GS25, Jaekyung Oil, 7-Eleven, and Hanwoo Jangteo to the back gate (about 10 min).

NOTES: Taxi fares above are for a regular taxi (up to 4 passengers); deluxe and international taxis cost more. Show the driver the address "163 Seoulsiripdae-ro, Dongdaemun-gu, Seoul (서울시립대학교)".

Memo Pages

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