

5th International congress on Earth and Geological Sciences (ICEGS-2026) in Vienna, Austria on July 23-24, 2026

DAY-1 (July 23)

08:30-09:00	Registrations
	Opening Remarks
PLENARY TALKS	
09:00-09:30	Metal catalyzed water oxidation is a key step in artificial photosynthesis Prof. Abul Kasem Fazlur Rahman, Oklahoma School of Science and Mathematics, USA
09:30-10:00	Critical metals extraction from secondary sources; Valorization of Critical Elements recovery from post-industrial waste Prof. Maria Holuszko, University of British Columbia, Canada
10:00-10:30	Group Photo
	Refreshment Break
Keynote Forum	
10:30-11:00	Data-driven Atmospheric Model for Weather Process Analysis Prof. George I Danko, University of Nevada, Reno, USA
11:00-11:30	Health and ecological impacts from improper waste management Prof. Syed Hasan, University of Missouri-Kansas City, USA
11:30-12:00	Experimental and Numerical Studies of Breach Evolution Resulting from Piping at Earthen Dams Prof. Mehmet Şükrü Güney, Izmir University of Economics, Turkey
Technical Session-I	
12:00-12:20	Drivers and impacts of size-resolved atmospheric aerosols in north-eastern Romania: A long-term chemical perspective Dr. Cecilia ARSENE, University of Iasi, Romania
12:20-12:40	New frontiers in geothermal exploration thanks to large scale induced polarization and self-potential tomographies Dr. REVIL André, CNRS, France
12:40-13:00	An Analysis of the Dust Deposition and Other Climatic Parameters on Solar Photovoltaic Modules in Mauritius Dr. Dhirajsingh Rughoo, University of Mascarene Islands, Mauritius
13:00- 14:00	Lunch @ Restaurant
Technical Session-II	
14:00-14:20	Anticipatory Sustainable and Circular-by-Design Material Development – Assessment Framework, Material Concepts, and Development Dr. Jan-Marten Sprenger, Fraunhofer-Institute for Manufacturing Technology and Advanced Materials IFAM, Germany
14:20-14:40	Production of H ₂ and diversified hydrocarbons over rock particles in the presence of H ₂ O and carbon compounds Dr. Young Sang Cho, Korea Institute of Science & Technology, South Korea
14:40-15:00	Experimental assessment of sunlight Radiative Transfer process through complex snowpacks Dr. Luca Teruzzi, University of Milan, Italy
15:00-15:20	Assessing spontaneous spreading woody plants for climate resilience and applicability Dr. Krisztina Szabo, Hungarian University of Agriculture and Life Science, Hungary
15:20-15:40	The Impact of Contemporary Climate Change on Groundwater Regimes in the Central Chernozem Region: A Case Study of the "Kamennaya Steppe" Nature Reserve Miss. Valeriia Vediashkina, Lomonosov Moscow State University, Russia
15:40-16:10	Poster Presentations & Refreshment Break

Poster-1	<i>Waste-To-Energy Materials: Transforming Flotation Effluents Into Advanced Polymer-Metal Nanocomposites For High-Performance Supercapacitors</i>
	Dr. Atanas Svetoslavov Garbev, IEES, Bulgaria
Poster-2	<i>Enhanced Nitrate Removal From Wastewater Using Chlorella Vulgaris: Analysis Using Box-Behnken Method</i>
	Prof. Hee-Jeong Choi, Catholic Kwandong University, South Korea
Poster-3	<i>From a Depression Cone to the "Olkusz Lake District": A Preliminary Assessment of Environmental Changes Following the Closure of Zn-Pb Ore Mining in the Olkusz Region (Poland)</i>
	Dr. Anna Kostka, AGH University of Krakow, Poland
Technical Session-II Continues	
16:10-16:30	Biomass Bottom Ash Valorisation from Fluidized Bed Combustion for Cement and Civil Engineering Applications: A Circular Economy Perspective
	Dr. Elżbieta Jarosz-Krzemińska, AGH University of Krakow, Poland
16:30-16:50	Reinforcement Learning versus PI Control for CO₂-Based Classroom Ventilation: A Real-Data Benchmark on Fan Electricity and IAQ
	Dr. Masoud Haddad, University of Vaasa, Finland
16:50-17:10	NVH Improvement of Transmission Electric Oil Pump with Asymmetric Pitch Control
	Prof. Chinchul Choi, Changwon National University, South-Korea
17:10-17:30	Engineered Fracture Systems for Robust, Geothermal Energy Recovery
	Prof. George L Danko, University of Nevada, Reno, USA
17:30-17:50	Assessing Climate Change Impacts on Low-Flow Extremes in small catchment in Croatia using the SWAT model
	Dr. Josip Janjić, Faculty of Civil Engineering and Architecture, Croatia
Day-1 Concludes	
Pannel Discussions	
Closing Remarks	
This is a tentative program. Subject to changes. To book your slot, please contact Dr. Jack Harrison at jackharrison@unitedforum.uk	