



WMCEES 2025

9th WORLD MULTIDISCIPLINARY
CONGRESS ON EARTH AND
ENVIRONMENTAL SCIENCES

PROGRAM BOOK

Czech Republic, Ostrava | September 8-12, 2025

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SAVE THE DATE & JOIN US NEXT YEAR for the 10th WMCEES (7-11 September 2026, Ostrava)



**World Multidisciplinary Congress on Earth and
Environmental Sciences**

(08 – 12 September 2025 – Ostrava, Czech Republic)

REGISTRATION

(From Monday 08 September, 2025 to Thursday 11 September, 2025)

08 September, 2025	Registration will start on Monday from 08:00 to 17:30 in Auditorium VSB-TUO
09 September, 2025	Registration continue from 9:00 to 17:00
10 September, 2025	in Geological Pavilion VSB-TUO
11 September, 2025	

Monday – 08 September, 2025

OPENING CEREMONY

(Auditorium VSB-TUO, hall UA3)

11:00 - 11:15	Opening Speeches
11:15 - 11:45	Opening Concert
11:45 - 12:45	Key Speaker <i>Resource Cycling-based Technologies for Watershed Pollution Control</i> Zheng Zheng Fudan University China
12:45 - 14:00	Lunch Break
14:00 - 15:00	Key Speaker <i>Impact of Groundwater Movement on Soil Properties: Implications for Geotechnical Engineering</i> Zofia Zięba Wrocław University of Environmental and Life Sciences, Poland

15:15 - 16:15

Key Speaker

***Medieval Lime Mortars in the Lower Valdarno (Tuscany, Italy):
Materials, Technology, and Provenance***

Marco Lezzerini

Dipartimento di Scienze della Terra, Università di Pisa, Italy

16:30 - 17:15

Key Speaker

***Assessing the Interdependence between Air Pollutant Emissions
and Energy Consumption in the Context of Energy
Independence***

Carmelia Mariana Bălănică Dragomir

Dunarea de Jos University of Galati, Romania

WELCOME PARTY

19:00

Welcome Party in Auditorium VSB-TUO, hall UA178



Tuesday – 09 September, 2025

ORAL PROGRAM

GEOLOGICAL PAVILON VSB-TUO - HALL GP105	
SESSION: Geodesy, Photogrammetry & Cartography I	
Chairman: Tomasz Templin - University of Warmia and Mazury, Poland	
09:45 - 10:00	PRECISE BATHYMETRIC MEASUREMENTS OF INLAND WATER BODIES USING SBES/MBES HYDROACOUSTIC AND GNSS SATELLITE TECHNIQUES Dariusz Popielarczyk - University of Warmia and Mazury, Poland
10:00 - 10:15	HIGH-DEFINITION 3-D SHORELINE MAPPING WITH INTEGRATED UAV-SBES/MBES BATHYMETRY AND IMMERSIVE XR VISUALIZATION Tomasz Templin - University of Warmia and Mazury, Poland
10:15 - 10:30	IMPACT OF THE DATUM POINT LOCATION ON THE BENCHMARK STANDARD DEVIATIONS Kristina Mickrenska - University of Architecture, Civil Engineering and Geodesy, Bulgaria
10:30 - 10:45	ADJUSTMENT OF A PRECISE LEVELING NETWORK WITH JACKKNIFE SELECTED WEIGHTS Vasil Cvetkov - University of Architecture, Civil Engineering and Geodesy, Bulgaria
COFFEE BREAK	
SESSION: Geodesy, Photogrammetry & Cartography I, Geotechnics	
Chairman: Stanislav Frančišković-Bilinski - Ruđer Bošković Institute, Croatia	
11:15 - 11:30	URBAN ENVIRONMENTAL ASSESSMENT: THE ROLE OF SOIL MAGNETIC SUSCEPTIBILITY IN GEOCHEMICAL INVESTIGATIONS - A CASE STUDY FROM MAKSIMIR PARK, ZAGREB, CROATIA Stanislav Frančišković-Bilinski - Ruđer Bošković Institute, Croatia
11:30 - 11:45	IMAGE PROCESSING FOR SEISMIC INTERPRETATION Sun Jay - Geophysicist, Seismic Imaging Centre, India

11:45 - 12:00	HAZARDOUS DUMPSITE IN A NITRA RIVER OXBOW: IDENTIFICATION AND RISK ASSESSMENT Marian Marschalko - VSB – Technical University of Ostrava, Czech Republic
12:00 - 12:15	EX SITU AND IN SITU REMEDIATION OF COAL TAR CONTAMINATION IN ALLUVIAL SEDIMENTS Jan Kubáč - VSB – Technical University of Ostrava, Czech Republic
END OF ORAL SESSIONS	

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
SESSION: Water Resources	
Chairman: Mariana Carmelia Dragomir Balanica - Dunarea de Jos University of Galati, Romania	
09:30 - 09:45	CHALLENGES AND THREATS REGARDING THE DISTRIBUTION AND TREATMENT OF WASTEWATER IN ROMANIA Mariana Carmelia Dragomir Balanica - Dunarea de Jos University of Galati, Romania
09:45 - 10:00	TRACKING URBAN IMPACT ON THE FERVENÇA RIVER VIA WATER QUALITY INDEX Ramiro Martins - Polytechnic University of Bragança, Portugal
10:00 - 10:15	MODEL 3D GEOSTATISTICAL MODEL FOR THE IDENTIFICATION OF WATER RECHARGE ZONES IN THE MAMATENA AND URKUWAYKU BASIN OF THE ILALÓ VOLCANO USING EMPIRICAL BAYESIAN KRIGING (EBK3D) David Carrera - Universidad de las Fuerzas Armadas ESPE, Ecuador
10:15 - 10:30	LONG-TERM VEGETATION AND HYDROLOGICAL TRENDS IN AN ANDEAN BASIN AFFECTED BY ILLEGAL MINING USING STELLITE- BASED VEGETATION INDICES Blanca Botero - Universidad de Medellin, Colombia
10:30 - 10:45	ADDRESSING POTENTIALLY HARMFUL ELEMENTS (PHE'S) CONTAMINATION IN MAJOR DRAINAGE SYSTEMS OF JOS METROPOLIS, PLATEAU STATE, NIGERIA: IMPLICATIONS FOR WATER QUALITY IMPROVEMENT AND SUSTAINABLE DEVELOPMENT Sunday Gwang - University of Jos, Nigeria

**COFFEE BREAK****SESSION: Environmental Engineering, Natural Hazards, Modelling and Soft Computing in Earth Sciences**

Chairman: Marco Lezzerini - Dipartimento di Scienze della Terra, Università di Pisa, Italy

11:15 - 11:30	TOWARD GREENER MORTARS WITH WASTEWATER SLUDGE AS CEMENT REPLACEMENT Ramiro Martins - Polytechnic University of Bragança, Portugal
11:30 - 11:45	POTENTIAL USE OF BRICK WASTE FOR THE PRODUCTION OF GEOPOLYMER ROOF TILES Marco Lezzerini - Dipartimento di Scienze della Terra, Università di Pisa, Italy
11:45 - 12:00	MODULAR UAV-BASED SYSTEM FOR LOW-COST AIR POLLUTION MONITORING USING OPEN-SOURCE MICROCONTROLLERS AND MULTI-GAS SENSORS Bartosz Nycz - Rzeszow University of Technology, Poland
12:00 - 12:15	INTEGRATED GEOPHYSICAL INVESTIGATIONS TO CHARACTERIZE THE SHASHAMANE-AJE 2016 GROUND FISSURES, CENTRAL MAIN ETHIOPIAN RIFT, ETHIOPIA Haile Tigistu - Addis Ababa University, Ethiopia
12:15 - 12:30	DEEP LEARNING AT TWO TIMESCALES: DUAL NEURAL NETWORKS FOR PREDICTING FAST URBAN AND SLOW KARSTIC FLOODS Julien Yise Peniel Adoukpe - IMT MINES Alès, France

END OF ORAL SESSIONS

WORKSHOP

GEOLOGICAL PAVILION VSB-TUO - HALL GP106	
14:00 - 15:00	FROM BATHYMETRIC MEASUREMENTS TO VIRTUAL REALITY: TOOLS AND APPLICATIONS – PART 1 Dariusz Popielarczyk and Tomasz Templin - University of Warmia and Mazury, Poland
COFFEE BREAK	
15:15 - 16:15	FROM BATHYMETRIC MEASUREMENTS TO VIRTUAL REALITY: TOOLS AND APPLICATIONS – PART 2 Dariusz Popielarczyk and Tomasz Templin - University of Warmia and Mazury, Poland

POSTER PROGRAM

AUDITORIUM VSB-TUO - 09:30 – 16:30	
Stand No: 1	ASSESSMENT OF THE MORPHOLOGICAL DYNAMICS OF THE DANUBE RIVERBANKS IN THE CEATAL IZMAIL BIFURCATION AREA Gabriel Iordache - National Research-Development Institute for Marine Geology and Geoecology - GeoEcoMar, Romania
Stand No: 2	DIFFERENT METHODS FOR DETERMINING OF THE ROUGHNESS COEFFICIENT IN LOWLAND STREAMS OVERGROWN WITH AQUATIC VEGETATION Radoslav Schugerl - Institute of Hydrology, Slovak Academy of Sciences, Slovakia
Stand No: 3	SURFACE WATER QUALITY OF THE DANUBE LOWLAND AND ITS SPATIAL AND TEMPORAL ASSESSMENT Viera Kováčová - Institute of Hydrology, Slovak Academy of Sciences, Slovakia
Stand No: 4	INTEGRATING GEOCHEMICAL MODELING AND STATISTICAL ANALYSIS FOR RISK ASSESSMENT OF SPRINGS WATER, SOUTHERN POLAND Marek Ruman - University of Silesia, Poland

Stand No: 5	ASSESSING THE DISTRIBUTION OF THE CHEMICAL FRACTIONS OF IRON IN AGRICULTURAL ACIDIC SOILS FROM THE ATLANTIC REGION OF SPAIN María Teresa Taboada-Castro - University of A Coruña, Spain
Stand No: 6	VARIATIONS OF ALLOCHTHONOUS AND AUTOCHTHONOUS INPUTS INVESTIGATED IN CORE SEDIMENTS COLLECTED FROM SEVERAL LAKES OF THE GORGOVA-UZLINA HYDROGRAPHIC UNIT, DANUBE DELTA, ROMANIA Irina Catianis - National Institute of Marine Geology and Geoecology - GeoEcoMar, Bucharest, Romania
Stand No: 7	CHANGES IN FLOW RATES ON THE KOMÁRŇANSKÝ CHANNEL DUE TO SILTING UP FOR PERIOD 1993-2019 Renáta Dulovičová - Slovak Academy of Sciences, Slovakia
Stand No: 8	ISSUES WITH TAP WATER QUALITY AND STABILITY IN DISTRIBUTION NETWORK Monika Zdeb - Rzeszow University of Technology, Poland
Stand No: 9	THE PRESENCE OF A SELECTED GROUP OF MICROPOLLUTANTS IN WATER RECLAIMED FROM WASTEWATER Joanna Czarnota - Rzeszow University of Technology, Poland
Stand No: 10	OPTIMIZATION OF THE REGISTER OF ENVIRONMENTAL ASPECTS WITH REGARD TO THE AGING OF MACHINES IN THE MACHINING PROCESS FORMAT Tetjana Tomaskova - University of West Bohemia, Czech Republic
Stand No: 11	CHANGE OF QUALITY OF WATER IN A LARGE WATER RESERVOIR IMMEDIATELY AFTER A RAINSTORM – CASE STUDY AT THE TURČEK WATER RESERVOIR Yveta Velísková - Institute of Hydrology SAS, Slovakia
Stand No: 12	UNRAVELING THE FIELD-RELEVANT EFFECTS OF MICROPLASTICS AND HEAVY METALS ON VALLISNERIA NATANS PHYSIOLOGY AND SEDIMENT BIOGEOCHEMISTRY Suzhen Huang - Zhejiang Shuren University, China
Stand No: 13	ASSESSMENT OF COASTAL AND FLUVIAL MORPHODYNAMIC CHANGES USING STRUCTURE-FOR-MOTION: A CASE STUDY OF THE SFÂNTU GHEORGHE MOUTH (DANUBE DELTA, ROMANIA) Andrei Gabriel Dragoș - The National Institute for Marine Geology and Geoecology – GeoEcoMar, Romania

Wednesday – 10 September, 2025

ORAL PROGRAM

GEOLOGICAL PAVILON VSB-TUO - HALL GP105	
SESSION: Energy, Resources & Pollution & the Environment, Blasting & New Technologies	
Chairman: Menderes Koyuncu - Van Yuzuncu yil University, Turkey	
09:45 - 10:00	ECOTOXICITY FINDINGS IN AGRICULTURAL SOILS OF THE SUBURBAN AND IDUSTRIAL AREAS OF KOŠICE Ol'ga Šestínová - Institute of Geotechnics of Slovak Academy of Sciences, Slovakia
10:00 - 10:15	A STUDY ON FLAMMABILITY PERFORMANCE OF LUFFA CYLINDRICA FIBRE REINFORCED EPOXY COMPOSITES WITH AMMONIUM POLYPHOSPHATE AND MAGNESIUM HYDROXIDE FIRE RETARDANTS Menderes Koyuncu - Van Yuzuncu yil University, Turkey
10:15 - 10:30	EVALUATION OF THE EFFECT OF COMBINED COLLECTOR APPLICATION IN THE PROGRESS OF FLOTATION OF POOR ORES CONTAINING PRECIOUS METALS Mamuka Bagnashvili - LEPL G. Tsulukizde Mining Institute, Georgia
10:30 - 10:45	PRELIMINARY ASSESSMENT OF THE EFFECTS OF BLASTING DESIGN ON ROCK FRAGMENTATION. AT DJEBEL MEDJOUNES LIMESTONE QUARRY, SETIF, ALGERIA Mohamed Fredj - University of Bejaia, Algeria
COFFEE BREAK	

SESSION: Mining & Mineral Processing, Geological Heritage & Geoparks	
Chairman: Maciej Gliniak - University of Agriculture in Krakow, Poland	
11:15 - 11:30	FABRICATION OF FIBER REINFORCED AL-POLYMERIC COMPOSITES AND TESTING UNDER LOW INTENSITY SHOCK Daviti Tserava - LEPL Grigol Tsulukidze Mining Institute, Georgia
11:30 - 11:45	MINERAL FERTILIZERS PRODUCED FROM MINERAL POWDERS BASED ON MINING WASTE Maciej Gliniak - University of Agriculture in Krakow, Poland
11:45 - 12:00	POSSIBILITIES OF OBTAINING ZINC FROM STEEL MAKING WASTES AND GALVANIZING USING MICROWAVE ENERGY Ingrid Znamenáčková - Slovak Academy of Sciences, Slovakia
12:00 - 12:15	THE HISTORICAL GARDEN TERRA NOSTRA (SÃO MIGUEL ISLAND, AZORES): THE CONTRIBUTION OF GEOGRAPHIC INFORMATION SYSTEM TOOL TO CONTENT DEVELOPMENT António Trota - Azores University, Portugal
12:15 - 12:30	ORIGIN AND EVOLUTION OF FURNAS VOLCANIC LANDSCAPE (AZORES): A REVIEW Maria Pereira - Azores University, Portugal
END OF ORAL SESSIONS	

GEOLOGICAL PAVILION VSB-TUO - HALL GP106	
SESSION: Green & Sustainable Science & Technology	
Chairman: Agnieszka Pawlowska - Wrocław University of Science and Technology, Poland	
09:30 - 09:45	EFFECT OF SURFACE MODIFICATION ON MINERAL WASTE DISSOLUTION USING MICROORGANISMS: PHYSICOCHEMICAL ASPECTS Agnieszka Pawlowska - Wrocław University of Science and Technology, Poland
09:45 - 10:00	CIRCULAR ECONOMY FOR ADVANCING SUSTAINABILITY IN RESOURCE EXTRACTION Abbas Barabadi - University of Tromsø, Norway



10:00 - 10:15	UAV-BASED INFRARED IMAGING SYSTEM FOR GREENHOUSE GAS EMISSION DETECTION USING FLIR TECHNOLOGY Bartosz Nycz - Rzeszow University of Technology, Poland
10:15 - 10:30	EFFECT OF BACTERIOSTATIC ADDITIVES ON POLYSACCHARIDE-BASED BIODEGRADABLE FILMS Beata Matuszek - University of Agriculture in Krakow, Poland
10:30 - 10:45	MICROWAVE VALORIZATION OF WHEAT STRAW: SYNTHESIS AND RAPID REGENERATION OF MAGNETIC BIOCHAR ADSORBENTS Anton Zubrik - Slovak Academy of Sciences, Slovakia
COFFEE BREAK	
SESSION: Atmospheric Sciences, Hydro-Hydrogeological Sciences Chairman: Janine Wichmann - University of Pretoria, South Africa	
11:15 - 11:30	SPATIAL DISTRIBUTION OF PMX AND NUMBER CONCENTRATION OF SUBMICRON AEROSOL PARTICLES BEHIND SAILING SHIPS ON THE VLTAVA RIVER Mykhailo Fedorenko - Charles University, Czech Republic
11:30 - 11:45	ATMOSPHERIC FINE PARTICULATE MATTER (PM _{2.5}), BLACK CARBON AND ORGANIC CARBON LEVELS IN OSHAKATI, NAMIBIA Janine Wichmann - University of Pretoria, South Africa
11:45 - 12:00	NUMBER SIZE DISTRIBUTION AND CONCENTRATION OF DROPLETS GENERATED BY SAILING SHIPS Mykhailo Fedorenko - Charles University, Czech Republic
12:00 - 12:15	NEURAL NETWORKS FOR SEASONAL GROUNDWATER LEVEL FORECASTING Anne Johannet - HydroSciences Montpellier, France
12:15 - 12:30	IMPACT OF LEACHATE PLUMES ON CRYSTALLINE BASEMENT AQUIFERS: GROUNDWATER CONTAMINATION IN URBAN AREAS Nuhu Damina - University of Jos, Nigeria
END OF ORAL SESSIONS	

WORKSHOP

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
14:00 - 15:00	THE WHOLE WORLD IS VIBRATION. GOOD AND BAD VIBRATIONS. – part 1 Piotr Stecz - Cracow University of Technology, Poland
COFFEE BREAK	
15:15 - 16:15	THE WHOLE WORLD IS VIBRATION. GOOD AND BAD VIBRATIONS. – part 2 Piotr Stecz - Cracow University of Technology, Poland

POSTER PROGRAM

GEOLOGICAL PAVILON VSB-TUO - 09:30 – 16:30	
Stand No: 1	DOPING OF GAN WITH SILICON USING LAYER BY LAYER MAGNETRON SPUTTERING TECHNOLOGY Zurab Kushitashvili - LEPL Institute of Micro and Nanoelectronics, Georgia
Stand No: 2	AN ASSESSMENT OF TOPOGRAPHIC AND MORPHODYNAMIC FEATURES OF BORVIZ VALLEY, BODOC LOCALITY, TRANSYLVANIA USING PHOTOGRAMMETRY Marius Bogdan Baraitareanu – GeoEcoMars, Romania
Stand No: 3	SEISMIC MONITORING OF BUILDINGS IN EARTHQUAKES ENDANGERED CITIES. AN OVERVIEW OF THE PROGRESS STAGES, DATA ACQUISITION, PROCESSING AND RESPONSE ANALYSIS Bogdan Apostol - National Institute of Research-Development for Earth Physics, Romania
Stand No: 4	INVESTIGATING A TEMPERATURE INCREASE BEFORE AND DURING A MAGNITUDE 8 EARTHQUAKE AFFECTING THE PORTUGUESE TERRITORY Maria Rosa Duque - Universidade de Évora, Portugal
Stand No: 5	AN UPPER CARBONIFEROUS TONSTEINS: GEOCHEMICAL APPROACH TO MAGMATIC PROVENANCE Weronika Nadłonek - Polish Geological Institute - National Research Institute, Poland

Stand No: 6	REZISTIVITY SURVEY AND SOIL FLUX MEASUREMENTS IN AN AREA WITH NATURAL CO ₂ EMISSIONS Lia Stelea - GeoEcoMar, Romania
Stand No: 7	SEDIMENT TRANSPORT IN AN ATLANTIC RURAL CATCHMENT: A MULTI-EVENT ASSESSMENT María Teresa Taboada-Castro - University of A Coruña, Spain
Stand No: 8	SELECTED PROPERTIES AND COMPOSITION OF SAHARAN DUST IN RELATION TO ATMOSPHERIC DEPOSITION IN THE KOŠICE AREA (SLOVAKIA) Jozef Hančulák - Institute of Geotechnics of Slovak Academy of Sciences, Slovakia
Stand No: 9	THE EVALUATION OF THE WEAR OF SURFACE-SET DIAMOND DRILL BITS BY ANALYSING THE ROCK DEBRIS AND PROCESS PARAMETERS Mária Bali Hudáková - Institute of Geotechnics v.v.i., Slovak Academy of Sciences, Slovakia
Stand No: 10	ANALYSIS OF PROCESS PARAMETERS IN ROTARY DRILLING OF ANDESITE Mária Bali Hudáková - Institute of Geotechnics v.v.i., Slovak Academy of Sciences, Slovakia
Stand No: 11	BASIC CHARACTERIZATION OF ORE SAMPLE FROM THE BANSKÁ ŠTIAVNICA DEPOSIT (CENTRAL SLOVAKIA) Slavomír Hredzák - Slovak Academy of Sciences, Slovakia
Stand No: 12	STUDY OF THE CU-FE (NI) MINERALIZATION IN THE TAMESGUIDA REGION (FORMERLY MOUZAÏALES MINES) Nacera Hadj Mohamed - Djilali Bounaama University, Algeria

GALA DINNER

19:00	in Geological Pavilion VSB-TUO - 19:00
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Thursday – 11 September, 2025

ORAL PROGRAM

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
SESSION: Oil, Gas & Coal, Natural Resources	
Chairman: Rosemary Ene Agene - University of Jos, Nigeria	
10:00 - 10:15	GEOCHEMICAL MARKERS IN THE DETECTION AND IDENTIFICATION OF FOSSIL FUELS IN WASTE MATERIAL FROM AN ILLEGAL LANDFILL FIRE Wojciech Rykała - University of Silesia, Poland
10:15 - 10:30	REASSESSMENT OF THE HYDROCARBON RESERVES OF EXHAUSTED AND PERSPECTIVE AREAS IN BULGARIA BY APPLYING CONTEMPORARY METHODS FOR FUTURE SUSTAINABLE EXPLORATION Eva Marinovska - Sofia University, Bulgaria
10:30 - 10:45	ECONOMIC POTENTIAL FOR BASE METAL MINERALIZATION IN THE SUB-OPHIOLITIC METAMORPHIC ROCKS OF NORTHEASTERN UNITED ARAB EMIRATES Bahaa Eldin Mahmoud Amin - UAE University, United Arab Emirates
10:45 - 11:00	LITHIUM AND RARE METALS POTENTIAL IN THE BUJI YOUNGER GRANITE COMPLEX OF NORTH CENTRAL NIGERIA Rosemary Ene Agene - University of Jos, Nigeria
COFFEE BREAK	
SESSION: Informatics, Geoinformatics & Remote Sensing, Public, Environmental & Occupational Health, Urban Planning	
Chairman: Sotiris Lycourghiotis - Hellenic Open University, Greece	
11:30 - 11:45	APPARENT TEMPERATURE MODIFIES THE EFFECTS OF AIR POLLUTION ON CARDIOVASCULAR DISEASE MORTALITY IN CAPE TOWN, SOUTH AFRICA Janine Wichmann - University of Pretoria, South Africa



11:45 - 12:00	TOWARDS SUB-CENTIMETER MSST DETECTION: A GNSS-ON-BOAT AND ACCELEROMETRIC SENSOR APPROACH Sotiris Lycourghiotis - Hellenic Open University, Greece
12:00 - 12:15	A COST-EFFECTIVE REAL-WORLD DATA METHOD FOR ESTIMATING URBAN TRAFFIC EMISSIONS: THE CASE OF PESCARA, ITALY Morena Ciccone - University of L'Aquila, DICEAA, Italy
12:15 - 12:30	BUCHAREST – EUROPEAN TESTBED FOR SEISMOLOGICAL RESEARCH IN THE XXI CENTURY Stefan Balan - National Institute for Earth Physics, Romania
END OF ORAL SESSIONS	

WORKSHOP

GEOLOGICAL PAVILION VSB-TUO - HALL GP106

14:00 - 15:00	CONTEMPORARY SUBSOIL CLASSIFICATION AND DEEP FOUNDATIONS DESIGNING BASED ON CPT/CPTU TESTS – part 1 Janusz Kogut - Cracow University of Technology, Poland
COFFEE BREAK	
15:15 - 16:15	CONTEMPORARY SUBSOIL CLASSIFICATION AND DEEP FOUNDATIONS DESIGNING BASED ON CPT/CPTU TESTS – part 2 Janusz Kogut - Cracow University of Technology, Poland

POSTER PROGRAM

GEOLOGICAL PAVILION VSB-TUO - 09:30 – 16:30	
Stand No: 1	SUBSTRATE IMPROVEMENT TECHNIQUES FOR CONTROLLING SPARTINA ALTERNIFLORA INVASION AND RESTORING NATIVE VEGETATION IN COASTAL WETLANDS Guo Li - IHE Delft Institute for Water Education, Netherlands
Stand No: 2	DEVELOPMENT OF HIGH EFFICIENT SOLAR ENERGY PHOTO-CONVERTING ELEMENT BASED ON SILICON-GRAPHENE NANO SYSTEM Amiran Bibilashvili - LEPL Institute of Micro and Nanoelectronics, Georgia
Stand No: 3	ENVIRONMENTAL IMPACT OF PRODUCED WATER: TOXICITY TESTING AND REGULATORY FRAMEWORKS Nilson Romeu Marcilio - Federal University of Rio Grande do Sul, Brazil
Stand No: 4	ACTIVATED CARBON PRODUCTION FROM BIOMASS AND ITS USE IN INDUSTRIAL EFFLUENT TREATMENT Nilson Romeu Marcilio - Federal University of Rio Grande do Sul, Brazil
Stand No: 5	RISK-BASED FRAMEWORK FOR COMPLIANCE ASSESSMENT AND CO ₂ GEOLOGICAL STORAGE MONITORING: APPLICATION IN THE GETICA CCS STUDY Anghel Sorin - National Institute for Research and Development on Marine Geology and Geo-ecology – GeoEcoMar, Romania
Stand No: 6	IMPACT OF AGRICULTURAL CROP PRODUCTIVITY ON PM2.5 AND PM10 POLLUTION LEVELS IN ROMANIA Cecilia Serban - University Dunarea de Jos Galati, Romania
Stand No: 7	INTEGRATED HYDROGEOLOGICAL MODEL FOR IDENTIFYING AND PREVENTING HYDROCARBON POLLUTION IN THE OIL TERMINAL CONSTANȚA AREA IN THE CONTEXT OF NEPTUN DEEP DEVELOPMENT Anghel Sorin - National Institute for Research and Development on Marine Geology and Geo-ecology – GeoEcoMar, Romania
Stand No: 8	IMPACTS AND MANAGEMENT OF GEOGENIC WATER POLLUTION IN THE KHERRAZA MINING ZONE, ANNABA (NE ALGERIA) Janet Bouguebrine - Université Badji Mokhtar. Annaba, Algeria



Stand No: 9	EFFECT OF URBAN GREEN INFRASTRUCTURE ON COMBINED SEWER OVERFLOW VOLUMES Marek Sokáč - Institute of Hydrology SAS, Slovakia
Stand No: 10	EVALUATION OF THE LEVEL OF ORGANIC POLLUTION OF SURFACE WATER (CASE: OUED MELOUK DAM IN AIN DEFLA – ALGERIA N) Ahmed Gueboud - University of Khemis Miliana, Algeria
Stand No: 11	EXPLORING MUGWORT BIOMASS AS A NOVEL CATALYST SUPPORT FOR GREEN CHEMISTRY Inna Pitak - Lithuanian Energy Institute, Lithuania

Friday – 12 September, 2025

FIELD TRIP

09:00	From bus stop VSB-TUO (Route will be announced in Venue)
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SOCIAL PROGRAM

08 September, 2025 – Monday

Opening Concert in Auditorium VSB-TUO, hall UA3 - 11:15

Welcome Party in Auditorium VSB-TUO, hall UA178

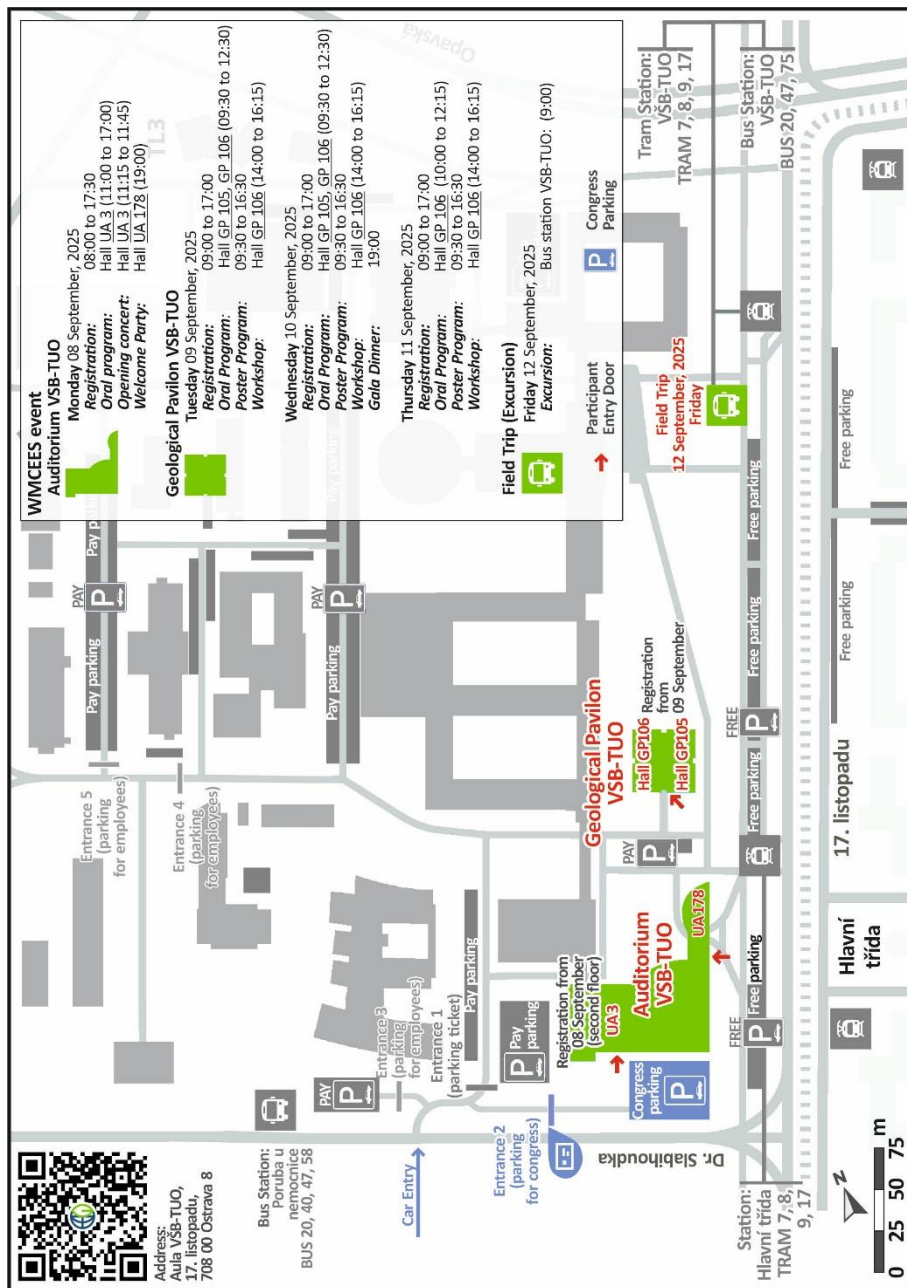
10 September, 2025 – Wednesday

Gala Dinner in Geological Pavilion VSB-TUO - 19:00

12 September, 2025 – Friday

Field Trip from bus stop VSB-TUO - 9:00

(Route will be announced in Venue)





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Czech Republic, Ostrava | September 8-12, 2025

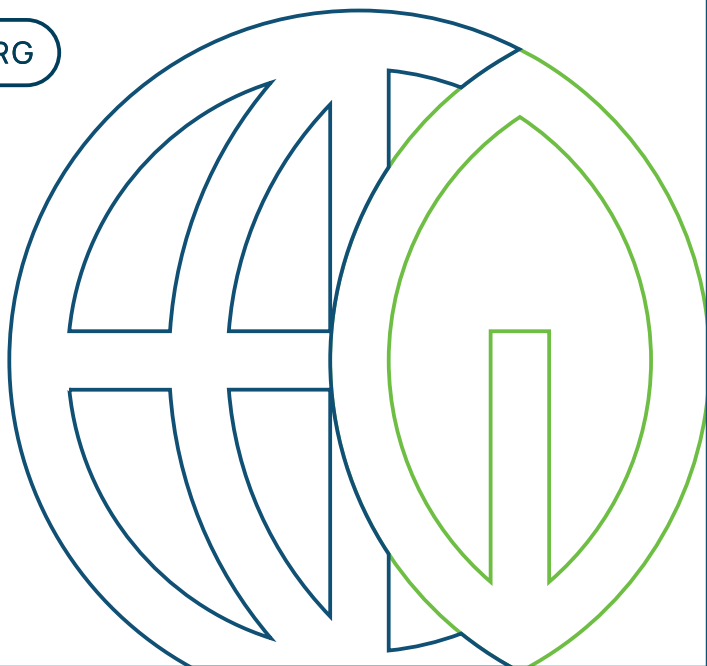
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