WMCCAU 2026

11TH WORLD MULTIDISCIPLINARY CONGRESS ON CIVIL ENGINEERING, ARCHITECTURE AND URBAN PLANNING

PROGRAM BOOK

Czech Republic, Ostrava | 31 Aug – 4 Sep, 2026

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World Multidisciplinary Congress

on Civil Engineering, Architecture and Urban Planning

(31 August – 04 September 2026 – Ostrava, Czech Republic)

REGISTRATION

(From Monday 31 August, 2026 to Thursday 03 September, 2026)

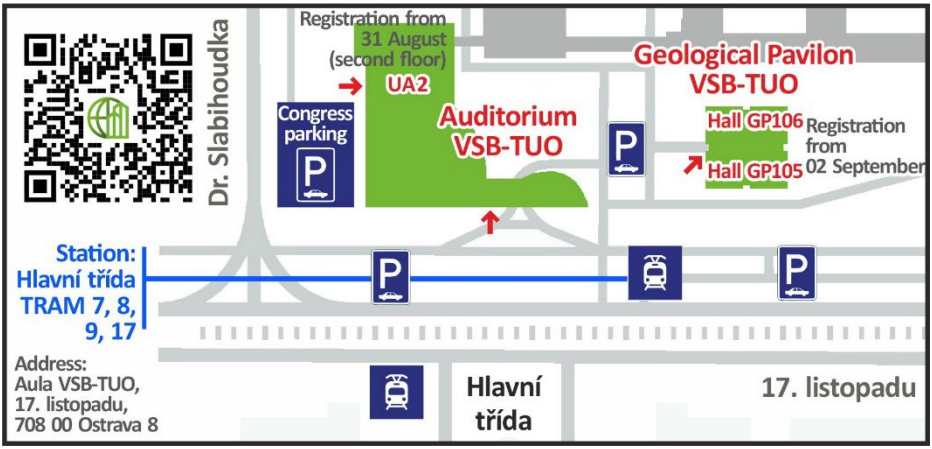
31 August, 2026	Registration will start on Monday from 08:00 to 17:30 in Auditorium VSB-TUO
01 September, 2026	Registration continue from 8:30 to 18:30 in Auditorium VSB-TUO
02 September, 2026 03 September, 2026	Registration continue from 9:00 to 18:00 in Geological Pavilion VSB-TUO

Monday – 31 August, 2026

OPENING CEREMONY

(Auditorium VSB-TUO, hall UA2)

11:00 - 11:15	Opening Speeches
11:15 - 11:45	Opening Concert
11:45 - 12:30	Key Speaker ***VIBRATIONS IN CIVIL ENGINEERING, URBAN ARCHITECTURE AND HUMAN HEALTH - ARE WE SURROUNDED BY VIBRATIONS?*** Piotr Stecz Cracow University of Technology, Poland
12:30 - 14:00	Lunch Break



Monday – 31 August, 2026

ORAL PROGRAM

AUDITORIUM VSB-TUO - HALL UA2	
SPECIAL SESSION: CRIPI – Climate Resilient Infrastructure I Chairman: Seyed Reza Omranian - University of Antwerp, Belgium	
14:00 - 14:15	CRIPI: A EUROPEAN COLLABORATIVE FRAMEWORK FOR CLIMATE-RESILIENT PAVEMENT INFRASTRUCTURE Katarzyna Konieczna - Warsaw University of Technology, Poland
14:15 - 14:30	URBAN ROAD NETWORK RESILIENCE UNDER PLUVIAL FLOODING: A FUNCTIONAL DISRUPTION PERSPECTIVE Soha Ahmadi - University of Antwerp, Belgium
14:30 - 14:45	STRUCTURAL IMPACT OF EXTREME WEATHER EVENTS ON FLEXIBLE PAVEMENTS: A GPR AND LWD CASE STUDY IN PORTUGAL Gustavo Câmara - LNEC, Portugal
14:45 - 15:00	A PREDICTIVE MODELING FRAMEWORK LINKING BET TEXTURAL PROPERTIES TO STORAGE STABILITY OF BIO-MODIFIED BINDERS Stavros Kalampokis - Aristotle University of Thessaloniki, Greece
COFFEE BREAK	

SPECIAL SESSION: CRIPI – Climate Resilient Infrastructure II **SESSION: Construction Materials I** Chairman: Katarzyna Konieczna - Warsaw University of Technology, Poland	
15:30 - 15:45	SPIRULINA-DERIVED PYROLYTIC BIO-OIL FOR CLIMATE-RESILIENT AND LOW-CARBON ASPHALT PAVEMENT Lu Zhou - University of Hertfordshire, United Kingdom
15:45 - 16:00	INVESTIGATION OF THE FLOW BEHAVIOUR OF AN ASPHALT BINDER CONTAINING ENCAPSULATED PHASE CHANGE MATERIAL USING THE CROSS MODEL Ahmet Münir Özdemir - Bursa Technical University, Turkey
16:00 - 16:15	ASSESSING THE IMPACT OF POLYPROPYLENE FIBERS ON THE CARBON SEQUESTRATION OF CONCRETE Pelin Sertyeşilışık - Afyon Kocatepe University, Turkey
16:15 - 16:30	INTEGRATION OF DYNAMIC CO_2 LEAKAGE MODELLING INTO THE DESIGN AND EVALUATION OF MONITORING SYSTEMS FOR GEOLOGICAL STORAGE Anghel Sorin - National Institute for Research and Development on Marine Geology and Geo-ecology – GeoEcoMar, Romania
16:30 - 16:45	EXPERIMENTAL STUDY ON CHLORIDE ION PENETRATION IN CONCRETE WITH VARYING CONTENTS OF CO-FIRING BOTTOM ASH Herman Parung - Universitas Hasanuddin, Indonesia
END OF ORAL SESSIONS	

WELCOME PARTY

19:00	Welcome Party in Auditorium VSB-TUO or outside before Auditorium VSB-TUO (due to weather conditions)

Tuesday – 01 September, 2026

ORAL PROGRAM

AUDITORIUM VSB-TUO - HALL UA2	
SESSION: Urban Planning I, Architectural Space I Chairman: Lubica Vitková - Slovak University of Technology, Slovakia	
09:30 - 09:45	IMPROVING WATERFRONT PEDESTRIAN DISTRICTS IN DUBAI: A USER-PERCEPTION STUDY Alaa Omar Kordi - United Arab Emirates University, United Arab Emirates
09:45 - 10:00	INTENSIFICATION OF URBAN FABRIC AS A FACTOR OF SUSTAINABILITY Lubica Vitková - Slovak University of Technology, Slovakia
10:00 - 10:15	UNIVERSAL ACCESS ANALYSIS OF WHEELCHAIR RAMPS AT PEDESTRIAN CROSSINGS SURROUNDING THE UNIVERSIDAD DE SANTIAGO DE CHILE Christian Seal - Universidad de Santiago de Chile, Chile
10:15 - 10:30	URBAN THEORIES FOR SMART CITIES: AI-DRIVEN PREDICTIVE MODELING FOR SUSTAINABLE INFRASTRUCTURE DESIGN Soujanya Pillala - Eastern Michigan University, United States
10:30 - 10:45	ARCHITECTURE OF CONTROL: SPATIAL MECHANISMS OF DISCIPLINE AND SEGREGATION IN THE EUROPEAN CONTEXT Peter Mazalan - Faculty of Architecture and Design, Slovak University of Technology, Slovakia
10:45 - 11:00	THE EVOLUTION OF NON-FORMAL EDUCATION IN ROMANIA: FROM CHILDREN'S PALACES TO MODERN EDUCATIONAL CENTERS Victor Bogdan Maris - Politehnica University of Timisoara, Romania
COFFEE BREAK	

SESSION: Architectural Historiography, Architectural Space II Chairman: Jarosław Striker - Opole University of Technology, Poland	
11:30 - 11:45	CHURCHES IN THE NATIONAL ROMANTIC STYLE: ANALYSIS OF ARCHITECTURAL COMPETITION DESIGNS IN POLISH LANDS BEFORE 1918 Jarosław Striker - Opole University of Technology, Poland
11:45 - 12:00	DIGITAL RECONSTRUCTION OF FORMER MUNICIPAL BUILDING/MARONITE YUSUF ŞAR MANSION: ARCHITECTURAL TRANSFORMATION OF A HISTORICAL HOUSE Haci Abdullah Erdogan - Konya Technical University, Turkey
12:00 - 12:15	EXPLORING ACADEMIC LIBRARIES AS COGNITIVE ENVIRONMENTS: WAYFINDING, WAYLOSING Jakub Świerzawski - Academy of Silesia, Faculty of Architecture, Civil Engineering and Applied Arts, Poland
12:15 - 12:30	ACCESSIBILITY IN THE BUILDING OF THE FORMER SCHOOL OF ARTS AND CRAFTS OF THE UNIVERSITY OF SANTIAGO OF CHILE Patricia Mery - Universidad de Santiago de Chile, Chile
12:30 - 12:45	POTENTIAL OF MULTIFUNCTIONAL CULTURAL INSTITUTIONS IN THE MEDIUM-SIZED CITIES: RELATIONSHIPS BETWEEN TYPOLOGICAL-OPERATIONAL MODELS AND URBAN STRUCTURE Zuzana Stanjurova Mateiciucova - FA CVUT Prague, Czech Republic
12:45 - 13:00	PREVENTING COVID-19 THROUGH DESIGN SUGGESTIONS FOR THAI GOVERNMENT HOSPITALS WAITING AREAS Supuck van der Hoeven - Chiang Mai University, Thailand
13:00 - 13:15	FROM THE KONYA TEKEL BUILDING TO DEPO NO. 4: ADAPTIVE REUSE OF AN EARLY REPUBLICAN INDUSTRIAL HERITAGE BUILDING Ebru Erdoğan - Selçuk University, Turkey
LUNCH BREAK	

SESSION: Sustainability in the Built Environment I Chairman: Mert Çakır - Süleyman Demirel University, Turkey	
14:30 - 14:45	SPECIES COMPOSITION, STRUCTURAL CHARACTERISTICS, BIOMASS, CARBON STORAGE, AND ECONOMIC VALUE OF URBAN TREES: A CASE STUDY OF 15 TEMMUZ NATIONAL GARDEN, KAHRAMANMARAŞ, TÜRKIYE Mert Çakır - Süleyman Demirel University, Turkey
14:45 - 15:00	CIRCULAR CONSTRUCTION ADOPTION IN TÜRKIYE: DEFINING CRITICAL BARRIERS FROM THE PERSPECTIVE OF CIVIL ENGINEERS Yusuf Berkay Metinal - Hasan Kalyoncu University, Turkey
15:00 - 15:15	PERSISTENT BY DESIGN: A SYSTEMATIC LITERATURE REVIEW OF THE DETERMINANTS OF BUILDING LONGEVITY Leon Konschake - TH OWL - University of Applied Sciences, Germany
15:15 - 15:30	EXPERIMENTAL INVESTIGATION OF GEOPOLYMER AS A SUSTAINABLE ALTERNATIVE TO CONCRETE IN REHABILITATION OF TUNNEL LININGS Fatemeh Samareh - University of Trieste, Italy
15:30 - 15:45	TOWARDS A REGIONAL CIRCULAR CONSTRUCTION FRAMEWORK: MATERIAL STOCKS, URBAN MINING AND GOVERNANCE IN THE RUHR AREA Pauline Jegen - TU Dortmund, Germany
15:45 - 16:00	TRANSFORMING REGIONAL ENERGY SYSTEMS – AN INTEGRATIVE APPROACH TO OPTIMISED SITE PLANNING FOR HYDROGEN PRODUCTION Caroline Andersen - TU Dortmund University, Germany
COFFEE BREAK	

SESSION: Construction Management and Engineering I Chairman: Andreea Grecu - Technical University of Civil Engineering, Romania	
16:30 - 16:45	STRUCTURAL PERFORMANCE COMPARISON OF HYPERBOLIC PARABOLOID STEEL BAR SYSTEMS SUBJECTED TO ENVIRONMENTAL ACTIONS Patrycja Lechwar - University of Technology, Poland
16:45 - 17:00	UNCOVERING TRENDS AND THEMATIC DOMAINS OF GREEN PROCUREMENT IN CONSTRUCTION: A GLOBAL BIBLIOMETRIC PERSPECTIVE Yusuf Berkay Metinal - Hasan Kalyoncu University, Turkey
17:00 - 17:15	DETERMINATION OF THE RELATIONSHIP BETWEEN LATERAL RAIL WEAR ON A TRANSITION CURVE AND ITS CURVATURE USING GENERALIZED DYNAMICAL SYSTEMS Sławomir Grulkowski - Gdańsk University of Technology, Poland
17:15 - 17:30	APPLICATION OF TIME-LOCATION DIAGRAMS IN LINEAR INFRASTRUCTURE PROJECTS – OLD WAYS OR NEW BEGINNINGS Tomislav Rastovski - University of Rijeka, Croatia
17:30 - 17:45	CONSTRUCTION MATERIAL SUPPLY MODELS AND THEIR APPLICATION IN CONSTRUCTION COMPANIES OF DIFFERENT SIZES Ivan Marović - University of Rijeka, Croatia
17:45 - 18:00	STRUCTURE FROM MOTION PHOTOGRAMMETRY IN CONSTRUCTION: A LITERATURE BASED REVIEW OF USE CASES AND LIMITATIONS Ivan Marović - University of Rijeka, Croatia
18:00 - 18:15	INTEGRATING BIM AND LEAN PRINCIPLES FOR SUSTAINABLE DECONSTRUCTION PLANNING: A CASE STUDY ON A PREFABRICATED STUDENT RESIDENCE BUILDING IN ROMANIA Andreea Grecu - Technical University of Civil Engineering, Romania
END OF ORAL SESSIONS	

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
SESSION: Construction Materials II Chairman: Szymon Skibicki - West Pomeranian University of Technology in Szczecin, Poland	
09:15 - 09:30	SEMI-AUTOMATIC IMAGE-BASED ALGORITHM FOR QUANTITATIVE EVALUATION OF PLASTIC SHRINKAGE CRACKING IN RESTRAINED CONCRETE Szymon Skibicki - West Pomeranian University of Technology in Szczecin, Poland
09:30 - 09:45	INFLUENCE OF SUPERABSORBENT POLYMERS ON COMPOSITE PROPERTIES Jobin Josh - VSB - Technical University of Ostrava, Czech Republic
09:45 - 10:00	RECYCLING WITH BITUMEN EMULSION OF WASTE MATERIALS FOR ROAD CONSTRUCTION: AN EXPERIMENTAL ANALYSIS Nicola Baldo - University of Udine, Italy
10:00 - 10:15	CLIMATE-RESILIENT SPATIAL ZONING FOR TEMPORARY CULTURAL INFRASTRUCTURES: A FRAMEWORK FOR FLOOD-PRONE CONTEXTS Jobin Josh - VSB - Technical University of Ostrava, Czech Republic
10:15 - 10:30	INTEGRATED ASSESSMENT OF CEMENT COMPOSITE PROPERTIES USING ULTRASONIC PULSE VELOCITY AND SHRINKAGE Maciej Dutkiewicz - Bydgoszcz University of Technology, Poland
10:30 - 10:45	LOW-CARBON CONCRETE INCORPORATING CO-COMBUSTION COAL–AGRO-WASTE: CORRELATING FLEXURAL STRENGTH AND GLOBAL WARMING POTENTIAL ASSESSMENT Sul Munawir - Hasanuddin University, Indonesia
10:45 - 11:00	EFFECT OF RECYCLED AGGREGATE CONTENT ON THE LONG-TERM MECHANICAL AND DURABILITY CHARACTERISTICS OF FLY ASH-BLENDED CONCRETE Roz-Ud-Din Nassar - American University of Ras Al Khaimah, United Arab Emirates
COFFEE BREAK	

SESSION: Structural Engineering I Chairman: Daniel Jindra - Brno University of Technology, Czech Republic	
11:30 - 11:45	MATHEMATICAL MODELING AND EXPERIMENTAL STUDY OF A FOUR-LEVEL VERTICAL PARKING SYSTEM Gela Kipiani - Georgian Technical University, Georgia
11:45 - 12:00	VERIFICATION FEM ANALYSES IN SCIA AND ANSYS SOFTWARE OF SLENDER STEEL L-SHAPED FRAME – 2D SHELL VS. 1D BEAM MODEL WITH WARPING DOF Daniel Jindra - Brno University of Technology, Czech Republic
12:00 - 12:15	STABILIZATION OF A MASONRY BUILDING STRUCTURE USING HORIZONTALLY ORIENTED PRESTRESSING CABLES WITH LONG-TERM MONITORING OF MASONRY'S RESPONSE Dominik Pernecký - Brno University of Technology, Czech Republic
12:15 - 12:30	GRID SHELLS SHAPED ON THE BASIS OF NATURAL FORMS Anna Szewczyk - Rzeszow University of Technology, Poland
12:30 - 12:45	NONLINEAR DYNAMIC RESPONSE SENSITIVITY OF OFFSHORE WIND TURBINES UNDER COUPLED AERO-HYDRO LOADING Maciej Dutkiewicz - Bydgoszcz University of Technology, Poland
12:45 - 13:00	DAMAGES DIAGNOSIS IN MASONRY ELEMENTS BY NUMERICAL MEASURES OF VIBRATION PROCESS Mariusz Żółtowski - Warsaw University of Life Sciences - SGGW, Poland
LUNCH BREAK	
SESSION: Ecoconcretes, Structural Engineering II Chairman: Agnieszka Janas - Silesian University of Technology, Poland	
15:00 - 15:15	A STATE-OF-THE-ART REVIEW OF SUSTAINABLE 3D-PRINTED CONCRETE INCORPORATING RECYCLED AGGREGATE Maciej Dutkiewicz - Bydgoszcz University of Technology, Poland
15:15 - 15:30	SHEAR CONNECTIONS WITH BEECH WOODEN DOWELS USING BIRCH PLYWOOD FITTED INTO CLT PANEL Agnieszka Janas - Silesian University of Technology, Poland
15:30 - 15:45	SOIL-STRUCTURE INTERACTIONS OF BUILDINGS DUE TO EARTHQUAKE EXCITATIONS Theresia Lu Theopuspitasari - Universitas Atma Jaya Yogyakarta, Indonesia

15:45 - 16:00	STUDY OF HIGH-VOLUME FLY ASH-SELF COMPACTING CONCRETE (HVFA-SCC) T-BEAM STRENGTHENING WITH CFRP USING FINITE ELEMENT METHOD Ade Lisantono - Universitas Atma Jaya Yogyakarta, Indonesia
COFFEE BREAK	
SESSION: Building Performance Simulations I Chairman: Mariusz Adamski - Bialystok University of Technology, Poland	
16:30 - 16:45	DESIGN HEATING LOAD VERSUS REAL UTILIZED HEATING POWER IN MULTIFAMILY BUILDINGS UNDER CHANGING CLIMATE CONDITIONS Mariusz Adamski - Bialystok University of Technology, Poland
16:45 - 17:00	ENERGY PERFORMANCE IMPROVEMENT OF AN EXISTING OFFICE BUILDING USING DYNAMIC SIMULATION AND FUTURE CLIMATE SCENARIOS: A CASE STUDY IN KRAKÓW Aleksandra Sufa - AGH University of Krakow, Poland
17:00 - 17:15	PEAK HEATING DEMAND ANALYSIS AND TEMPERATURE-DEPENDENT LOAD CHARACTERIZATION FOR A SINGLE MULTIFAMILY BUILDING Mariusz Adamski - Bialystok University of Technology, Poland
17:15 - 17:30	PERFORMANCE ASSESSMENT OF SOLAR THERMAL SYSTEMS WITH HEAT STORAGE IN MULTIFAMILY BUILDINGS UNDER REAL CLIMATIC CONDITIONS Mariusz Adamski - Bialystok University of Technology, Poland
17:45 - 18:00	NEW TECHNOLOGIES FOR OCCUPANT BEHAVIOURAL DATA ACQUISITION TO ENHANCE ENERGY EFFICIENCY: A SYSTEMATIC REVIEW Gokce Tomrukcu - Ozyeğin University, Turkey
18:00 - 18:15	FALSE-COLOUR MAP FOR LUMINANCE DISTRIBUTION VISUALISATION IN UNREAL ENGINE Revsen Ozdmir - University of Campania, Italy
END OF ORAL SESSIONS	

WORKSHOP

GEOLOGICAL PAVILON VSB-TUO - HALL GP105	
14:30 - 15:30	THE WHOLE WORLD IS VIBRATION. GOOD AND BAD VIBRATIONS. – part 1 Piotr Stecz - Cracow University of Technology, Poland
COFFEE BREAK	
15:45 - 16:45	THE WHOLE WORLD IS VIBRATION. GOOD AND BAD VIBRATIONS. – part 2 Piotr Stecz - Cracow University of Technology, Poland

POSTER PROGRAM

AUDITORIUM VSB-TUO - 09:30 – 18:00	
Stand No: 1	IMPACT OF INTERNAL INSULATION ON THE BEHAVIOUR OF BRICK WALLS: A NUMERICAL SIMULATION STUDY Joanna Misiewicz - University of Warmia and Mazury in Olsztyn, Poland
Stand No: 2	INTEGRATED GEOSPATIAL DATA ACQUISITION AS A BASIS FOR BIM-ORIENTED MODELLING OF A DAM STRUCTURE Michal Kraus - Institute of Technology and Business in Ceske Budejovice, Czech Republic
Stand No: 3	LIMITATIONS OF DIGITALIZATION IN BUILDING OPERATION AND SUSTAINABILITY Erika Kurimská Pajerská - Technical University of Kosice, Slovakia
Stand No: 4	INSIGHTS FROM EXPLORING INTERDISCIPLINARY EDUCATION AND INTEGRATING STUDENT LEARNING INTO REAL-WORLD RESEARCH ON EXISTING BUILDINGS Denis Konovalov - Technical University of Kosice, Slovakia
Stand No: 5	GENESIS AND CONTEMPORARY TRENDS IN OLYMPIC INFRASTRUCTURE DEVELOPMENT Monika Šmiralová - Slovak University of Technology, Slovak republic
Stand No: 6	AI AND BIM AS DIGITAL ENABLERS OF CIRCULAR ECONOMY IN CONSTRUCTION MANAGEMENT: EVIDENCE FROM SURVEY STUDIES Tomas Mandicak - Technical University of Kosice, Faculty of Civil Engineering, Slovakia
Stand No: 7	EFFICIENCY OF DEMOLITION TECHNOLOGIES IN THE CONTEXT OF A CIRCULAR ECONOMY IN CONSTRUCTION Marcela Spišáková - Technical University of Kosice, Faculty of Civil Engineering, Slovakia
Stand No: 8	ASSESSMENT OF THE IMPACT OF CHLORIDES AND FREEZE-THAW CYCLES ON THE REINFORCEMENT CORROSION PROCESS IN CONCRETE WITH BLAST-FURNACE SLAG CEMENT Albert Grajek - Kielce University of Technology, Poland

Stand No: 9	LONG-TERM DURABILITY OF HYDROPHOBIC IMPREGNATION IN CLINKER BRICK FACADES Lidia Kwiatkowska - University of Warmia and Mazury in Olsztyn, Poland
Stand No: 10	DEVELOPMENT OF ALTERNATIVE REHABILITATION MORTARS WITH A LOW CARBON FOOTPRINT Adéla Valentová - VSB - Technical University of Ostrava, Czech Republic
Stand No: 11	THERMAL CONDUCTIVITY COEFFICIENT OF FOAMED CONCRETE REINFORCED WITH POLYPROPYLENE FIBERS Roman Sojka - Building Research Institute (ITB), Poland
Stand No: 12	EFFECT OF CURING SEQUENCE ON THE 28-DAY COMPRESSIVE STRENGTH OF WATERBORNE EPOXY-MODIFIED CEMENT MORTAR Ireneusz Laks - Uniwersytet Przyrodniczy w Poznaniu, Poland
Stand No: 13	SILVER NANOPARTICLE-MODIFIED CEMENT COMPOSITES FOR ENHANCED DURABILITY OF SEWER INFRASTRUCTURE Marta Sybis - Poznan University of Life Sciences, Poland
Stand No: 14	ASSESSMENT OF THE IMPACT RANGE OF A LIGHTWEIGHT DYNAMIC PLATE BASED ON DEFORMATION MEASUREMENTS WITH FBG FIBRE-OPTIC Krzysztof Kamiński - Silesian University of Technology, Poland
Stand No: 15	GEOTECHNICAL AND TERRESTRIAL 3D LASER SCANNING ANALYSIS FOR THE STABILITY ASSESSMENT OF THE KOŚCIUSZKO MOUND IN KRAKÓW Mirosława Bazarnik - Cracow University of Technology, Poland
Stand No: 16	GEOPHYSICAL PROSPECTING STUDIES WITH A VIEW TO A NEW THERMAL GROUNDWATER ABSTRACTION FOR THE MEDICAL SPA OF ÁGUAS - PENAMACOR (PORTUGAL) Luis Manuel Ferreira Gomes - University of Beira Interior, Portugal
Stand No: 17	RENOVATION OF A BIOLOGICAL REACTOR USING A THREE-LAYER METHOD BASED ON POLYUREA- A CASE STUDY FROM BYTOM ODRZAŃSKI Tomasz Pawlak - University of Life Sciences in Poznan, United States
Stand No: 18	APPLICATION ISSUES OF THE WINDOW ANALYSIS METHOD Kyong Ju Kim - Chung-Ang University, Republic of Korea

Stand No: 19	ANALYSIS OF THE MECHANICAL RESPONSE OF FOAMED CONCRETE UNDER COMPRESSION USING DIGITAL IMAGE CORRELATION AND PERIDYNAMIC MODELLING Marta Kadela - Building Research Institute (ITB), Poland
Stand No: 20	THE ROLE OF BLUE-GREEN INFRASTRUCTURE IN RESTORING THE QUALITY OF URBAN SPACES IN DEGRADED AREAS Karolina Olenia Szumigała - Poznań University of Life Sciences, Poland
Stand No: 21	HOW MUCH WILL THE TAILINGS SETTLE? CPTU-BASED PREDICTIONS MEET NUMERICAL MODELLING AT ŻELAZNY MOST TSF Magdalena Wróżyńska - Poznań University of Life Sciences, Poland

Wednesday – 02 September, 2026

ORAL PROGRAM

GEOLOGICAL PAVILON VSB-TUO - HALL GP105	
SPECIAL SESSION: Structural Dynamics, Vibration Mitigation and Sustainable Approaches in Buildings and Infrastructure Chairman: Paweł Boroń - Cracow University of Technology, Poland	
09:45 - 10:00	EXPERIMENTAL INVESTIGATION OF THE MASS DISTRIBUTION EFFECTS ON THE DYNAMIC BEHAVIOUR OF LOW-RISE BUILDING Paweł Boroń - Cracow University of Technology, Poland
10:00 - 10:15	INFLUENCE OF CRACKING IN A MASONRY BUILDING ON ITS DYNAMIC CHARACTERISTICS Alicja Kowalska-Koczwara - Cracow University of Technology, Poland
10:15 - 10:30	IN SITU ASSESSMENT OF VIBRATIONS GENERATED BY A K9 SELF-PROPELLED HOWITZER IN A BUILDING WITH A VIBRATION-ISOLATED INDUSTRIAL FLOOR Iwona Biela - Cracow University of Technology, Poland
COFFEE BREAK	
SPECIAL SESSION: Sustainable Road Materials Chairman: Mateusz Iwański - Kielce University of Technology, Poland	
11:00 - 11:15	THE EFFECT OF WMA ADDITIVES AND THE AGING PROCESS ON THE CHEMICAL CHARACTERISTICS OF ASPHALT Mateusz Iwański - Kielce University of Technology, Poland
11:15 - 11:30	THE EFFECT OF WATER AND FROST ON CHANGES IN THE DISTRIBUTION OF AIR VOIDS IN THE STRUCTURE OF ASPHALT MIXTURES Małgorzata Durlej - Kielce University of Technology, Poland
11:30 - 11:45	THE EFFECT OF WMA ADDITIVES AND AGEING ON THE PARAMETERS OF CAM MODEL FOR POLYMER MODIFIED ASPHALT Marek Iwański - Kielce University of Technology, Poland

11:45 - 12:00	RELATIONSHIPS BETWEEN MECHANICAL, RHEOLOGICAL AND CHEMICAL PROPERTIES OF REAL AND ARTIFICIAL RECLAIMED ASPHALT MATERIALS IN SCOPE OF THEIR COMPACTION METHODS Krzysztof Maciejewski - Kielce University of Technology, Poland
12:00 - 12:15	ASSESSMENT OF PERMANENT DEFORMATION ON WARM MIX ASPHALT INCORPORATING ARAMIDE AND POLYMER-BASALT FIBERS Karolina Janus - Kielce University of Technology, Poland
12:15 - 12:30	RESISTANCE OF AN FOAMED MIX ASPHALT WITH CYCLIC EXPOSURE TO WATER AND FROST Mateusz Iwański - Kielce University of Technology, Poland
LUNCH BREAK	
SESSION: Urban Design, Urban Sociology Chairman: Zuzana Basterrech - UMPRUM, Prague, Czech Republic	
14:15 - 14:30	PUBLIC LIGHTING AS A TOOL FOR SHAPING THE IMAGE OF THE CITY: A COMPARATIVE STUDY OF EUROPEAN APPROACHES Zuzana Basterrech - UMPRUM, Prague, Czech Republic
14:30 - 14:45	REIMAGINING TIRANA'S GREEN CORRIDORS: URBAN TRAILS AS LANDSCAPE-BASED INFRASTRUCTURE FOR PUBLIC REALM TRANSFORMATION Ardit Lila - University of New York Tirana, Albania
14:45 - 15:00	BETWEEN ATTACHMENT AND DEFICIENCY: RESIDENT AND SPECIALIST PERCEPTIONS OF A POST-SOCIALIST SUBURBAN NEIGHBOURHOOD IN ORADEA, ROMANIA Daria Sarca - University Politehnica Timisoara, Romania
15:00 - 15:15	CITIZEN PERCEPTIONS OF URBAN GARDENING AND SUSTAINABLE DEVELOPMENT: A NEW ANALYTICAL FRAMEWORK Sk. Md. Nur-E-Alam - University of Lodz, Poland
COFFEE BREAK	

SESSION: Hydromechanics, GIS-Based Modelling for Mitigation Planning, Mathematical and Statistical Methods, Construction Materials III Chairman: Elona Fetahu - University of New York Tirana, Albania Hassan Magbool - Jazan University, Saudi Arabia	
15:45 - 16:00	A GENERALIZED THREE-DIMENSIONAL DAM-BREAK FLOW Elona Fetahu - University of New York Tirana, Albania
16:00 - 16:15	A PARETO-BASED OPTIMIZATION FRAMEWORK FOR THE LOCATION-ALLOCATION OF URBAN EMERGENCY INFRASTRUCTURE César E. Dávalos Chargoy - Universidad Autónoma de Ciudad Juárez, Mexico
16:15 - 16:30	A THREE-DIMENSIONAL DAM-BREAK FLOW, WET BED CASE: SHORT TIME BEHAVIOR Elona Fetahu - University of New York Tirana, Albania
16:30 - 16:45	A NON-PARAMETRIC DATA SELECTION FOR ADJUSTMENT OF LEVELLING NETWORKS IN DEFORMATION ANALYSIS Vasil Cvetkov - University of Architecture, Civil Engineering and Geodesy, Bulgaria
16:45 - 17:00	FRACTURE PERFORMANCE OF SUSTAINABLE SELF-COMPACTING CONCRETE INCORPORATING RED MUD AND STEEL FIBER Hassan Magbool - Jazan University, Saudi Arabia
17:00 - 17:15	MULTI-PERFORMANCE ASSESSMENT OF PORTLAND COMPOSITE CEMENT MORTAR WITH CLASS F FLY ASH Alfina Maysyurah - Hasanuddin University, Indonesia
END OF ORAL SESSIONS	

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
SESSION: Architectural Heritage and Conservation of Historical structures I Chairman: Ana Virtudes - University of Beira Interior, Portugal	
09:45 - 10:00	URBAN REHABILITATION OF CULTURAL HERITAGE: FROM INTERNATIONAL CONVENTIONS TO NATIONAL PRINCIPLES Ana Virtudes - University of Beira Interior, Portugal
10:00 - 10:15	POINT CLOUD OPTIMISATION FOR SCAN-TO-BIM Michele Buldo - Politecnico di Bari, Italy
10:15 - 10:30	CONICAL ROOFS IN VERNACULAR ARCHITECTURE: TRANSFORMATION AND INTEGRATION INTO THE CULTURAL LANDSCAPE Daniela Karen Paredes Malma - Universidad Católica San Pablo, Peru
COFFEE BREAK	
SESSION: Architectural Heritage and Conservation of Historical structures II Chairman: Iasmina Onescu and Diana Maria Stanciu - Faculty of Architecture and Urban Planning, Politehnica University of Timisoara, Romania	
11:00 - 11:15	CORVIN CASTLE: INTEGRATING 19TH – CENTURY RESTORATION INTO CONTEMPORARY PRESERVATION STRATEGIES Diana Maria Stanciu - Faculty of Architecture and Urban Planning, Politehnica University of Timisoara, Romania
11:15 - 11:30	SIMPLIFIED SEISMIC VULNERABILITY ASSESSMENT OF THE HISTORICAL CITY CENTER OF LUGOJ CITY, ROMANIA Iasmina Onescu - Politehnica University of Timisoara, Romania
11:30 - 11:45	RESTORATION AND SUSTAINABLE VALORIZATION OF GERMISARA ROMAN THERMAL COMPLEX IN GEOAGIU-BAI SPA Diana Maria Stanciu - Faculty of Architecture and Urban Planning, Politehnica University of Timisoara, Romania
LUNCH BREAK	

SESSION: Accreditation of Civil Engineering and Architecture, Architectural Culture I Chairman: Ondřej Váňa - CTU in Prague, Czech Republic	
14:00 - 14:15	MOBILE VIDEOGRAMMETRY AS A LOW-COST TOOL FOR RAPID 3D SPATIAL DOCUMENTATION Ondřej Váňa - CTU in Prague, Czech Republic
14:15 - 14:30	EFFECTIVE RENOVATIONS OF MULTI-STORY STUDENT DORMITORIES WITH ENVELOPE-INTEGRATED PHOTOVOLTAIC INSTALLATIONS Ewelina Gotkowska - Rzeszow University of Technology, Poland
14:30 - 14:45	APPLICATION OF MAGNETOMETRIC METHODS FOR DETECTING SUBMERGED METALLIC POLLUTION: CASE STUDY OF RADACINOSU, TREI IEZERE AND LA AMIAZA LAKES (DANUBE DELTA) Anghel Sorin - National Institute for Research and Development on Marine Geology and Geo-ecology – GeoEcoMar, Romania
14:45 - 15:00	RECONSIDERING THE 15-MINUTE CITY IN POST-SOCIALIST URBAN CONTEXTS: THE CASE OF RZESZOW, POLAND Ewelina Gotkowska - Rzeszow University of Technology, Poland
15:00 - 15:15	TRADITIONAL ARCHITECTURE OF SOUTHERN BOSNIA AND HERZEGOVINA AND INFLUENCES ON MODERNISM Adnan Zoranic - International University of Sarajevo, Bosnia and Herzegovina
15:15 - 15:30	URBAN REHABILITATION PROJECTS: THE HISTORIC VILLAGE OF IDANHA-A-VELHA Ana Virtudes - University of Beira Interior, Portugal
15:30 - 15:45	ARTIFICE OF VEILING AND UNVEILING: NARRATIVE APPLICATION OF THE PICTURESQUE AESTHETIC IN ARCHITECTURE Maximilian Călin-Munteanu - UAUIM, Romania
COFFEE BREAK	

SESSION: Architectural Culture II, Architectural Design and Methods Chairman: Senka Ibrisimbegovic - University of Sarajevo Faculty of Architecture, Bosnia and Herzegovina	
16:15 - 16:30	ART IN PUBLIC SPACE BETWEEN VIRTUALITY AND REALITY: INTEGRATING DIGITAL, VR AND AR TOOLS IN CURATING ART IN THE CITY Senka Ibrisimbegovic - University of Sarajevo Faculty of Architecture, Bosnia and Herzegovina
16:30 - 16:45	RE-URBANIZING THE CITY FLOOR: PUBLIC SPACE REGENERATION OF TRG AUSTRIJE, SARAJEVO Adnan Zoranic - International University of Sarajevo, Bosnia and Herzegovina
16:45 - 17:00	FROM PROMPT TO RENDER: AI-DRIVEN 3D MODELLING AND VISUALIZATION IN INTERIOR ARCHITECTURE Sebastian Fejes-Sava - Politechnica Univesity of Timisoara, Romania
17:00 - 17:15	INTERPRETING ARCHITECTURAL IDENTITY IN INDUSTRIAL REDEVELOPMENT: A CASE STUDY OF BICOCCA SUPERLAB IN MILAN Xinyan Chen - Politecnico di Milano, Italy
17:15 - 17:30	LEARNING BY REVERSE ANALYSIS: RECONSTRUCTING ARCHITECTURAL PROGRAMS FROM SPATIAL EXPERIENCE Stefania Danila - Politechnica University of Timisoara, Romania
END OF ORAL SESSIONS	

POSTER PROGRAM

GEOLOGICAL PAVILON VSB-TUO - 09:30 – 18:00	
Stand No: 1	REPAIR COST STRUCTURE AND FAILURE PATTERNS IN WATER DISTRIBUTION PIPELINES Izabela Piegdoń - Rzeszow University of Technology, Poland
Stand No: 2	VERIFICATION OF THE LOAD-BEARING CAPACITY OF CONFINED MASONRY WALLS USING A SHELL MODEL Radosław Jasiński - Silesian University of Technology, Poland
Stand No: 3	VERIFICATION OF THE LOAD-BEARING CAPACITY OF CONFINED MASONRY WALLS USING THE STRUT-AND-TIE (S-T) MODEL Radosław Jasiński - Silesian University of Technology, Poland
Stand No: 4	ANALYSIS OF A NOISE BARRIER WALL LOADED BY WIND Norbert Jendzelovsky - STU Bratislava, Slovakia
Stand No: 5	INFLUENCE OF INITIAL IMPERFECTIONS ON THE POST-BUCKLING BEHAVIOUR OF SWAY STEEL FRAMES George Mageirou - Hellenic Air Force Academy, Greece
Stand No: 6	PARAMETRIC STRUCTURAL DESIGN OF STEEL AIRCRAFT MAINTENANCE HANGARS COMPLIANT WITH EUROCODE 3 PROVISIONS George Mageirou - Hellenic Air Force Academy, Greece
Stand No: 7	COMPREHENSIVE DIAGNOSTICS OF AN AERATED CONCRETE STRUCTURE: A CASE STUDY OF CRACK DEVELOPMENT Tereza Majstríková - VSB - Technical University of Ostrava, Czech Republic
Stand No: 8	OBSERVED ROAD CHANGES ON A SECTION OF A HIGH EMBANKMENT IN THE AREA OF MINING DEFORMATIONS Magdalena Wróblewska - Silesian University of Technology, Poland
Stand No: 9	IMPACT OF SELECTED INSTALLATION PARAMETERS ON THE RESISTANCE OF PLASTIC ANCHORS IN FOAMED CONCRETE SUBSTRATE Damian Suchoń - Building Research Institute (ITB), Poland

Stand No: 10	EXPERIMENTAL INVESTIGATION OF POST-FIRE MECHANICAL BEHAVIOUR OF STRUCTURAL STEEL S235JR SUBJECTED TO FIRE LOADING AND DIFFERENT COOLING METHODS Roman Červenka - Slovak University of Technology, Faculty of Civil Engineering, Department of Steel and Timber Structures, Slovakia
Stand No: 11	ANALYSIS OF THE PERCEPTION OF INTERDISCIPLINARITY IN RESEARCH AND EDUCATION IN RELATION TO THE CURRENT TREND OF SUSTAINABILITY Terézia Pošiváková - University of Veterinary Medicine and Pharmacy of Košice, Slovakia
Stand No: 12	INFLUENCE OF WASTE TYRE RUBBER TYPE ON THE PHYSICAL AND MECHANICAL PROPERTIES OF CONCRETE Vaidotas Danila - Vilnius Gediminas Technical University, Lithuania
Stand No: 13	LABORATORY METHODS FOR ASSESSING THE RISK OF BIODEGRADATION OF ETICS SYSTEMS IN TERMS OF STRUCTURE David Hahn - VSB - Technical University of Ostrava, Czech Republic
Stand No: 14	PREFABRICATED BUILDING REFURBISHMENT Małgorzata Fedorczak-Cisak - Cracow University of Technology, Poland
Stand No: 15	GREEN ROOFS AS A TOOL FOR URBAN CLIMATE ADAPTATION: HYDROLOGICAL PERFORMANCE, EVAPOTRANSPIRATION POTENTIAL AND METHODOLOGICAL CHALLENGES IN THE CENTRAL EUROPEAN CONTEXT Michal Kraus - Institute of Technology and Business in Ceske Budejovice, Czech Republic
Stand No: 16	MONITORING THE WATER QUALITY AROUND THE IRRIGATION ARRANGEMENTS Ioana-Alina Cretan - Universitatea Politehnica Timisoara, Romania
Stand No: 17	METHODS OF MEASUREMENT AND AVAILABLE DATA FOR THE ENVIRONMENTAL ASSESSMENT OF STREETS IN THE CITY OF BRNO Pavel Juříček - VUT in Brno, Czech Republic

Stand No: 18	HISTORICAL BUILDING SURVEY OF MIKLÓŠI FACTORY IN PLEŠIVEC, SLOVAKIA Martin Poliak - Slovak University of Technology, Slovakia
Stand No: 19	STRUCTURAL ASSESSMENT OF THE RUINS OF STARHRAD CASTLE IN SLOVAKIA Martin Poliak - Slovak University of Technology, Slovakia
Stand No: 20	STRUCTURAL ASSESSMENT OF CHURCH OF THE BODY OF CHRIST IN JANKOVCE, SLOVAKIA Martin Poliak - Slovak University of Technology, Slovakia

GALA DINNER

19:00	in Geological Pavilon VSB-TUO

Thursday – 03 September, 2026

ORAL PROGRAM

GEOLOGICAL PAVILON VSB-TUO - HALL GP105	
SESSION: Geotechnics Chairman: Janusz Kogut - Cracow University of Technology, Poland	
10:00 - 10:15	CORRELATION OF TEST LOAD RESULTS OF PILE FOUNDATION FOR VARIOUS SELECTED MODELS Janusz Kogut - Cracow University of Technology, Poland
10:15 - 10:30	GEOTECHNICAL PARAMETERS IN THE PRELIMINARY GEOENVIRONMENTAL ASSESSMENT OF THE TORTOSENDO CEMETERY, PORTUGAL Vanessa Gonçalves - University of Beira Interior, Portugal
10:30 - 10:45	NUMERICAL MODELLING OF A FRAGMENTED MEDIUM WITH THE USE OF LABORATORY MEASUREMENTS WITH THE DIGITAL IMAGE CORRELATION METHOD Krzysztof Kamiński - Silesian University of Technology, Poland
COFFEE BREAK	
SESSION: Transportation Chairman: Veronika Valašková – University of Žilina, Slovakia	
11:15 - 11:30	TRAIN SET SELECTION AND CAPACITY PLANNING IN REGIONAL PASSENGER RAIL TRANSPORT Petr Fridrisek - CTU in Prague, Czech Republic
11:30 - 11:45	ERTMS LEVEL 2 IMPLEMENTATION ON A REGIONAL RAILWAY LINE: AN ITALIAN CASE STUDY Nicola Di Stefano - University of L'Aquila, Italy
11:45 - 12:00	EFFECT OF LABORATORY AGING ON THE PROPERTIES OF RECLAIMED ASPHALT MATERIALS RECOVERED FROM EXISTING ROAD PAVEMENTS AND PREPARED IN THE LABORATORY Justyna Stępień - Kielce University of Technology, Poland

12:00 - 12:15	DETECTION AND SELECTIVE MEASUREMENT OF PEDESTRIAN, BICYCLE, AND MOTOR VEHICLE TRAFFIC USING A PUBLICLY AVAILABLE VIDEO STREAM: SYSTEM ARCHITECTURE AND VALIDATION Michał Bis - Cracow University of Technology, Civil Engineering Faculty, Poland
12:15 - 12:30	TRAIN VELOCITY AS A FUNCTION OF VIBRATION COMFORT IN RESIDENTIAL BUILDINGS NEAR HIGH-SPEED TRAIN IN POLAND Piotr Stecz - Cracow University of Technology, Poland
LUNCH BREAK	
SESSION: Building Performance Simulations II, Structural Engineering III Chairman: Samson Femi Adesope - AGH University of Krakow, Poland	
14:30 - 14:45	INTEGRATING CARBON DESIGNER 3D, LCA, AND CIRCULAR ECONOMY METRICS INTO EARLY-STAGE EMBODIED CARBON ASSESSMENT OF REGENERATIVE BUILDING DESIGN Samson Femi Adesope - AGH University of Krakow, Poland
14:45 - 15:00	OPTIMIZING ROOF GEOMETRY FOR ENERGY-EFFICIENT HOUSING IN GERMANY: COMPARATIVE SIMULATIONS OF MULTISTOREY BUILDINGS WITH MONO-PITCHED AND GABLE ROOFS Alexander Kader - German University of Technology in Oman, Oman
15:00 - 15:15	EXPERIMENTAL ASSESSMENT OF HUMAN COMFORT UNDER ENVIRONMENTAL VIBRATIONS: A CASE STUDY IN A RESIDENTIAL BUILDING Veronika Valašková – University of Žilina, Slovakia
COFFEE BREAK	
SESSION: Structural Engineering IV Chairman: Janis Fabriciuss - Latvia University of Life Sciences and Technologies, Latvia	
15:45 - 16:15	AN APPROACH FOR LONGITUDINAL FRACTURE ANALYSIS OF CONTINUOUSLY INHOMOGENEOUS SHAFTS UNDERGOING FORCED TORSIONAL VIBRATIONS Victor Rizov - University of Architecture, Civil Engineering and Geodesy, Bulgaria

16:15 - 16:30	EXPERIMENTAL INVESTIGATION OF LOAD–DEFORMATION BEHAVIOUR OF DOWEL-TYPE SIMULATED L-SHAPE TIMBER CONNECTIONS IN CONTEXT WITH SECOND-GENERATION EUROCODE 5 PROVISIONS Janis Fabriciuss - Latvia University of Life Sciences and Technologies, Latvia
16:30 - 16:45	REVIEW OF ANALYTICAL EXPRESSIONS FOR DESCRIPTION OF NONLINEAR STRESS-STRAIN DIAGRAMS Victor Rizov - University of Architecture, Civil Engineering and Geodesy, Bulgaria
16:45 - 17:00	EXPERIMENTAL STUDIES OF DEFLECTIONS IN REINFORCED CONCRETE BEAMS SUBJECTED TO BENDING: MATHEMATICAL MODELS Ivan Ivanchev - University of Architecture, Civil Engineering and Geodesy, Bulgaria
17:00 - 17:15	DELAMINATION IN A MOVING MEMBER WITH AN ELECTRIC MOTOR ATTACHED TO IT Victor Rizov - University of Architecture, Civil Engineering and Geodesy, Bulgaria
17:15 - 17:30	EXACT SOLUTIONS OF DOUBLY REINFORCED CONCRETE BEAM SECTIONS WITH PREDEFINED COMPRESSION STEEL RATIO Yoyong Arfiadi - Universitas Atma Jaya Yogyakarta, Indonesia
END OF ORAL SESSIONS	

GEOLOGICAL PAVILON VSB-TUO - HALL GP106	
SESSION: Sustainability in the Built Environment II, Construction Materials IV, Integrated Coastal Zone Planning and Management Chairman: Erkin Jafarov - AGH University of Krakow, Poland	
09:45 - 10:00	COMPUTATIONALLY SMART DESIGN OF SOLAR PANEL INFRASTRUCTURES UNDER ENVIRONMENTAL LOADS FOR OPTIMAL ENERGY YIELD Erkin Jafarov - AGH University of Krakow, Poland
10:00 - 10:15	ALKALI-ACTIVATED CLAY COMPOSITES AS LOW-CARBON MATERIALS FOR SUSTAINABLE CONSTRUCTION AND ARCHITECTURAL APPLICATIONS Iasmina Onescu - Politehnica University of Timisoara, Romania
10:15 - 10:30	INNOVATIVE ANCHORAGE SYSTEMS FOR THIN-WALLED FAÇADE ELEMENTS MADE OF CARBON CONCRETE COMPOSITE Mazen Ayoubi - Frankfurt University of Applied Sciences, Germany
10:30 - 10:45	MBES-BASED GEOREFERENCING OF UNDERWATER STRUCTURE-FROM-MOTION 3D MODELS AND POINT CLOUD ACQUIRED USING AN ROV Dariusz Popielarczyk - University of Warmia and Mazury, Poland
10:45 - 11:00	FROM STATIC MODELS TO LIVING DIGITAL TWINS: A MULTI-SENSOR FRAMEWORK FOR DYNAMIC MONITORING OF SHORELINE ENGINEERING INFRASTRUCTURETYPE Tomasz Templin - University of Warmia and Mazury, Poland
COFFEE BREAK	
SESSION: Risk Management and Mitigation Planning, Public Space, Theories and Methods Chairman: Daria Sarca - University Politehnica Timisoara, Romania Mareile Licht - Technische Hochschule Ostwestfalen-Lippe, Germany	
11:30 - 11:45	FLOOD RISK IN CRITICAL POINTS OF THE CITY OF JULIACA: GEOSPATIAL ANALYSIS AND CITIZEN PERCEPTION OF SUSTAINABLE DRAINAGE Roberto Alfaro Alejo - Universidad Nacional del Altiplano, Peru
11:45 - 12:00	HERITAGE-DRIVEN URBAN REGENERATION AND SPATIAL VITALITY: A GIS-BASED ANALYSIS OF HUMAN MOBILITY AND COMMERCIAL ACTIVITY IN COLUMBIA CIRCLE, SHANGHAI Hanxiao Li - University of Pecs, Hungary

12:00 - 12:15	FRAMEWORK FOR STRUCTURING DIGITAL PLACEMAKING CONTENT BY FORM AND TOPIC Mareile Licht - Technische Hochschule Ostwestfalen-Lippe, Germany
12:15 - 12:30	BEYOND FRAGMENTATION: A CONCEPTUAL TAXONOMY OF EXISTING METHODOLOGIES FOR A LAYERED ANALYSIS OF HISTORIC URBAN LANDSCAPE Daria Sarca - University Politehnica Timisoara, Romania
LUNCH BREAK	
SESSION: City and Regional Planning Education, Social Sciences and Architecture, Economics and Politics Chairman: Francesca Lucenti - Centre for Research on Architecture, Urbanism and Design (CIAUD), Faculty of Architecture (FAUL), Portugal	
14:30 - 14:45	BETWEEN DATA AND SPATIAL JUSTICE: A PEDAGOGICAL LABORATORY FOR URBAN AND REGIONAL PLANNING EDUCATION Ana Bordalo - ISMAT / CIAUD, Polo Lusófona e ISMAT, Portimão, Portugal
14:45 - 15:00	PLANNING FOR WHOM: A REFLECTION ON THE LATE EVOLUTION OF URBAN DESIGN AND THE ROLE OF ARCHITECTURE TEACHING Ana Bordalo - ISMAT / CIAUD, Polo Lusófona e ISMAT, Portimão, Portugal
15:00 - 15:15	CHILDCARE IN TRANSIT: TRANSNATIONAL KINDERGARTEN NETWORKS BETWEEN EUROPE AND THE OTTOMAN EMPIRE Didem Yavuz Velipaşaoğlu - Izmir University of Economics, Turkey
15:15 - 15:30	RESILIENT SOCIAL INFRASTRUCTURE IN DISASTER CONTEXTS Francesca Lucenti - Centre for Research on Architecture, Urbanism and Design (CIAUD), Faculty of Architecture (FAUL), Portugal
COFFEE BREAK	
SESSION: Urban Planning II Chairman: Felicia-Raluca Pescar - Politehnica University of Timisoara, Romania	
16:00 - 16:15	PLANNING REGULATION FAILURES IN PROTECTED HERITAGE ZONES: THE CASE OF THE SALBEK CASTLE ESTATE, PETRIȘ, ROMANIA Felicia-Raluca Pescar - Politehnica University of Timisoara, Romania

16:15 - 16:30	SMART CITIES IN PRACTICE: AIRPORT ADVANTAGES, CITIZEN-CENTRIC INNOVATION IN BARCELONA AND CIM Ana Virtudes - University of Beira Interior, Portugal
16:30 - 16:45	LAYERS OF TRANSFORMATION: URBAN MORPHOLOGY AND CULTURAL ATTRIBUTES IN SOCIALIST PLANNING OF ORADEA, ROMANIA (1945-1989) Daria Sarca - University Politehnica Timisoara, Romania
16:45 - 17:00	FACTORS SHAPING THE DEVELOPMENT AND SPATIAL STRUCTURE OF A MINING CITY: A HISTORICAL ANALYSIS OF HEGANG, CHINA Xiang Li - Politecnico di Milano, Italy
17:15 - 17:30	SUSTAINABLE URBAN MOBILITY IN TIRANA: STRATEGIC PRIORITIES AND PEDESTRIAN-ORIENTED TRANSITION PATHWAYS Ardit Lila - University of New York Tirana, Albania
END OF ORAL SESSIONS	

POSTER PROGRAM

GEOLOGICAL PAVILON VSB-TUO - 09:30 – 18:00	
Stand No: 1	IMPACT OF RECYCLED GLASS AND CARBON GEOGRID FIBERS ON THE RUTTING RESISTANCE OF ASPHALT CONCRETE Artur Kowalczyk - Kielce University of Technology, Poland
Stand No: 2	FROM COMPUTER-AIDED DESIGN TO BUILDING INFORMATION MODELLING: REFRAMING BIM EDUCATION AT THE FACULTY OF ARCHITECTURE, CTU IN PRAGUE Bogdan Jędrzejczak - Czech Technical University in Prague, Czech Republic
Stand No: 3	ASSESSING URBAN DEVELOPMENT CAPACITY UNDER WATER CONSTRAINTS: A PLANNING-ORIENTED INDEX FOR SPATIAL POLICY Tomislav Škara - Via factum d.o.o., Croatia
Stand No: 4	IDENTIFYING AREAS AT RISK FROM HEAVY RAINFALL IN URBAN AREAS: A PROPRIETARY METHOD FOR WORKING WITH OPEN-SOURCE DATA Michał Sitek - Silesian University of Technology, Poland
Stand No: 5	THERMAL BEHAVIOUR OF BRICK FACADES IN HISTORIC INDUSTRIAL BUILDINGS: A CASE STUDY FROM VALLADOLID, SPAIN María Soledad Camino - Universidad de Valladolid, Spain
Stand No: 6	RESTORATION OF NON-PROTECTED RURAL ARCHITECTURE AS A TOOL FOR CULTURAL AND ECONOMIC SUSTAINABILITY: THE CASE OF LÚKY POD MAKYTOU Filip Bránický - Slovak University of Technology in Bratislava, Slovakia
Stand No: 7	DECISION-MAKING IN THE RESTORATION OF HISTORIC WINDOWS: THE ROLE OF ENERGY EFFICIENCY IN HERITAGE PRACTICE Nora Naddourová - Slovak University of Technology in Bratislava, Slovakia
Stand No: 8	FROM ABSENCE TO STRUCTURE: TRANSPOSITION AS A TOOL FOR REINTERPRETING ARCHITECTURAL MEMORY Nora Naddourová - Slovak University of Technology in Bratislava, Slovakia
Stand No: 9	PHYSICAL ENVIRONMENT'S ACCESSIBILITY OF UNIVERSITIES IN SLOVAK REPUBLIC FOR STUDENTS WITH SPECIAL NEEDS Lenka Justová - Slovak university of Technology, Slovakia

Stand No: 10	INCLUSIVE RESTAURANT ACOUSTICS FOR VISUALLY IMPAIRED USERS: EXPLORING PARAMETRIC POTENTIAL Sebastian Fejes-Sava - Politechnica Univesity of Timisoara, Romania
Stand No: 11	THE SHIFT TOWARD MINERAL BUILDINGS MATERIALS IN MEDIEVAL EUROPEAN ARCHITECTURE: THE CASE OF TORUN Aleksander Filip Furmanek - Bydgoszcz University of Science and Technology, Poland
Stand No: 12	NAVIGATING DIGITAL TRANSFORMATION: A REGIONAL OVERVIEW OF BIM INTEGRATION IN CENTRAL EUROPEAN ARCHITECTURAL CURRICULA Bogdan Jędrzejczak - Czech Technical University in Prague, Czech Republic
Stand No: 13	AI-DRIVEN OPTIMIZATION OF INDOOR ENVIRONMENTAL QUALITY IN BUILDINGS: FROM DATA ANALYSIS TO ADAPTIVE CONTROL Michal Kraus - Institute of Technology and Business in Ceske Budejovice, Czech Republic
Stand No: 14	THE RESEARCH TOOLS FOR ANALYSING THE WALKING BEHAVIOUR OF OLDER ADULTS IN URBAN SPACES Anna Szewczenko - Politechnika Śląska, Poland
Stand No: 15	SUBURBANIZATION PROCESSES IN SELECTED SETTLEMENTS OF THE MICROREGION HORNÁ ORAVA (MHO) Monika Šmiralová - Slovak University of Technology in Bratislava, Slovakia
Stand No: 16	VISUAL AND COMPOSITIONAL ANALYSIS OF THE DEVELOPMENT OF MUNICIPALITIES WITHIN THE MICROREGION HORNÁ ORAVA (MHO) Monika Šmiralová - Slovak University of Technology, Slovakia
Stand No: 17	DETECTION AND ANALYSIS OF FORCE EFFECTS ACTING ON THE CLEATS OF PROFILED CONVEYOR BELT USED IN ASPHALT MILLING MACHINES Leopold Hrabovský - VSB - Technical University of Ostrava, Czech Republic
Stand No: 18	AN INTEGRATED AUTOMATION SYSTEM FOR RESILIENCE VALIDATION OF COGNITIVE AUTONOMOUS PAVEMENT INFRASTRUCTURE Leila Cristina W. Muchanga-Hvelplund - ASI.Gov ApS, Copenhagen, Denmark

Friday – 04 September, 2026

FIELD TRIP

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



SOCIAL PROGRAM

31 August, 2026 – Monday

Opening Concert in Auditorium VSB-TUO, hall UA2 – 11:15

Welcome Party in Auditorium VSB-TUO or outside before Auditorium VSB-TUO (due to weather conditions) - 19:00

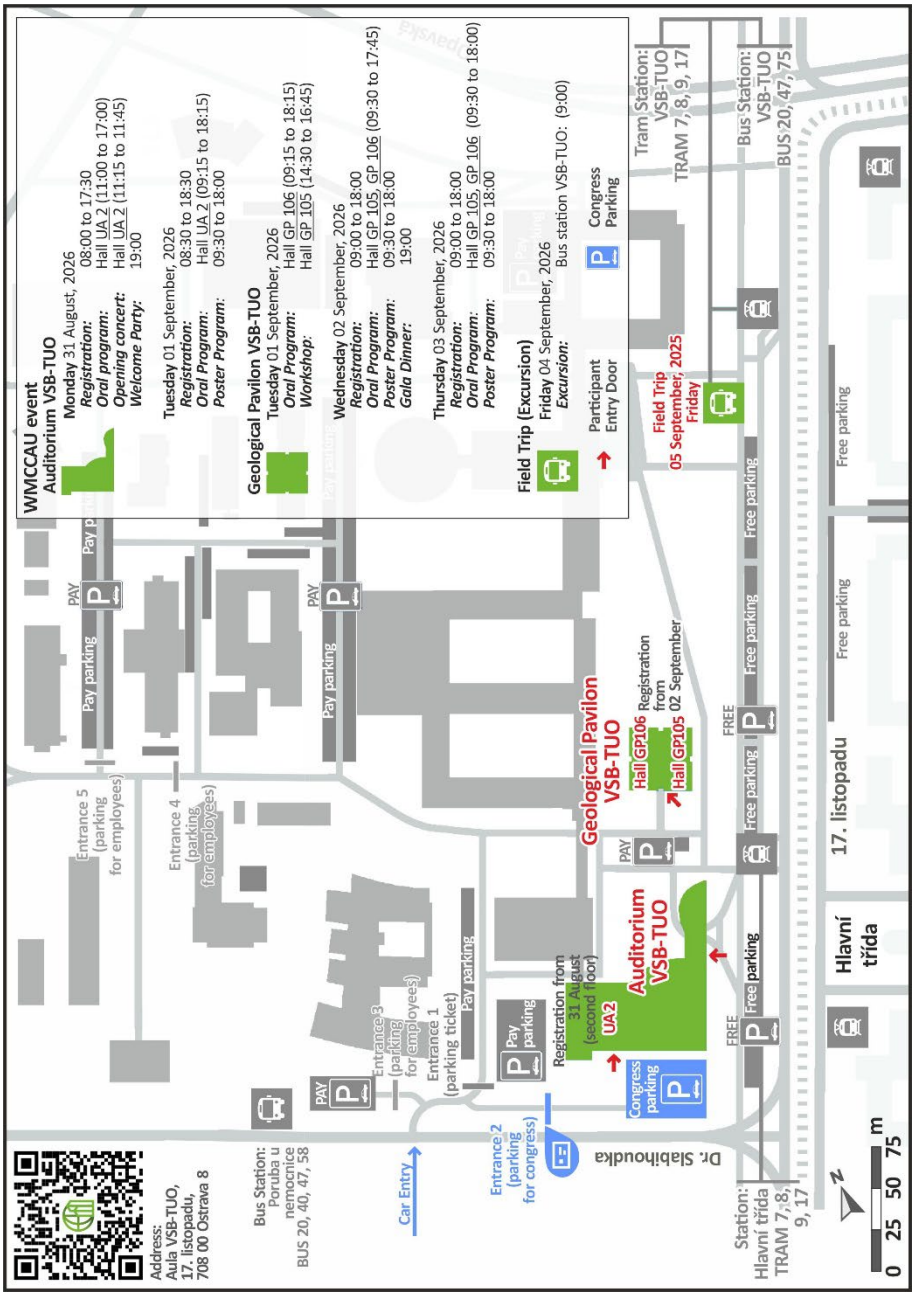
02 September, 2026 – Wednesday

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

04 September, 2026 – Friday

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

(Route will be announced in Venue)


WMCCAU event
Auditorium VSB-TUO
Monday 31 August, 2026
Registration: 08:00 to 17:30
Oral program: Hall UA 2 (11:00 to 17:00)
Opening concert: Hall UA 2 (11:15 to 11:45)
Welcome Party: 19:00
Tuesday 01 September, 2026
Registration: 08:30 to 18:30
Oral Program: Hall UA 2 (09:15 to 18:15)
Poster Program: 09:30 to 18:00
Geological Pavilion VSB-TUO
Tuesday 01 September, 2026
Oral Program: Hall GP 106 (09:15 to 18:15)
Workshop: Hall GP 105 (14:30 to 16:45)
Wednesday 02 September, 2026
Registration: 09:00 to 18:00
Oral Program: Hall GP 105, GP 106 (09:30 to 17:45)
Poster Program: 09:30 to 18:00
Gala Dinner: 19:00
Thursday 03 September, 2026
Registration: 09:00 to 18:00
Oral Program: Hall GP 105, GP 106 (09:30 to 18:00)
Poster Program: 09:30 to 18:00
Field Trip (Excursion)
Friday 04 September, 2026
Excursion: Bus station VSB-TUO: (9:00)
Participant Entry Door
Congress Parking
Field Trip 05 September, 2025 Friday
Tram Station: VSB-TUO TRAM 7, 8, 9, 17
Bus Station: VSB-TUO BUS 20, 47, 75
Address: Aula VSB-TUO, 17. listopadu, 708 00 Ostrava 8
Bus Station: Poruba u nemocnice BUS 20, 40, 47, 58
Car Entry
Entrance 2 (parking for congress)
Entrance 1 (parking ticket)
Entrance 3 (parking for employees)
Entrance 4 (parking for employees)
Entrance 5 (parking for employees)
Pay parking
Registration from 31 August (second floor)
UA2
Auditorium VSB-TUO
Congress parking
Geological Pavilion VSB-TUO
Hall GP106
Hall GP105
Registration from 02 September
Free parking
Dr. Slabihoudka
17. listopadu
Hlavní třída
Station: Hlavní třída TRAM 7, 8, 9, 17
0 25 50 75 m

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Czech Republic, Ostrava | 31 Aug – 4 Sep, 2026

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SAVE THE DATE & JOIN US NEXT YEAR for the 12th WMCCAU (30 Aug – 3 Sep 2027, Ostrava)