



**REGISTRATION**  
**(from 4 September 2022 – Sunday)**

4 September, 2022	Registration will start on Sunday (from 10:30 to 20:00)
5 September, 2022	from 08:30 until 9 September 2022

**OPENING / CEREMONY**  
**5 September 2022 – Monday (in Hall PRAGUE)**

10:30 - 10:45	Opening Concert
10:45 - 11:30	Opening Speeches
11:30 - 12:00	Key Speaker
	<b>A NEW APPROACH FOR BUCKLING ANALYSIS OF LAMINATED GLASS PANELS</b>
	<i>Prof.Dr. Heinz Wimmer - University of Applied Sciences Upper Austria, Austria</i>

# ORAL PROGRAM

5 September, 2022 – Monday

<b>HALL: PRAGUE EAST - 5 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: GEOTECHNICS &amp; HYDROMECHANICS I</b>	
Chairman: Miroslav Broucek - Czech Technical University in Prague, Czech Republic	
13:30 - 13:45	FULLY NONLINEAR TIME-DOMAIN DYNAMIC ANALYSIS FOR ESTIMATING 2D SPECTRAL AMPLIFICATION WITH THE DISTANCE FROM THE BASIN EDGE Speaker: Merve Akbas - Istanbul Technical University, Turkey
13:45 - 14:00	CONTRIBUTION TO THE KNOWLEDGE OF THE GEOHYDRAULIC MODEL OF THE SULPHUREOUS SPRING OF PONTE DO FUMO - TABUAÇO (PORTUGAL) Speaker: Luis M. Ferreira Gomes - Beira Interior University, Portugal
14:00 - 14:15	INITIAL STUDY ON POROSITY AND PERMEABILITY OF EVAPORITIC ROCK SAMPLES FROM ABU DHABI COASTAL AREA, UNITED ARAB EMIRATES Speaker: Amir Gabr - United Arab Emirates University, United Arab Emirates
14:15 - 14:30	POSSIBILITIES OF REVITALISATION OF WATER BODIES IN EAST SLOVAK LOWLAND AREA BY EXISTING CHANNEL SYSTEM Speaker: Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia
14:30 - 14:45	THE INFLUENCE OF TBM ON A BUILDING IN SOFIA CITY CENTER Speaker: Assia Bozhinova-Haapanen - UACG, Bulgaria
14:45 - 15:00	CAN THE PILE LOAD TEST CURVES BE ESTIMATED? Speaker: Vera Kaczvinszki-Szabo - Obuda University, Hungary
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: GEOTECHNICS &amp; HYDROMECHANICS II</b>	
Chairman: Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia	
15:30 - 15:45	INVESTIGATION OF COMPLEX FLOW THROUGH SPILLWAY-OUTLET STRUCTURE Speaker: Martin Hladík - Czech Technical University in Prague, Czech Republic
15:45 - 16:00	MODERN CONCEPTS OF LOW-HEAD SMALL HYDROPOWER PLANT Speaker: Jiří Souček - CTU in Prague, Czech Republic
16:00 - 16:15	ENERGY SAVINGS AND RENEWABLE ENERGIES IN THE EXISTING DRINKING WATER Speaker: Jiří Souček - CTU in Prague, Czech Republic
16:15 - 16:30	FLOOD RISK TO OLEDER VILLAGES BASED ON THE EXAMPLE OF THE PYZDRSKA FOREST AREA Speaker: Joanna Kubiak - Poznan University of Life Sciences, Poland
16:30 - 16:45	DAM FAILURES DUE TO ANTHROPOGENIC THREATS – KEY ASPECTS OF THE ASSESSMENT OF THE POTENTIAL CONSEQUENCES Speaker: Miroslav Broucek - Czech Technical University in Prague, Czech Republic
<b>END OF ORAL SESSIONS</b>	

<b>HALL: PRAGUE WEST - 5 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: STRUCTURAL ENGINEERING I</b>	
Chairman: Heinz Wimmer - University of Applied Sciences Upper Austria, Austria	
13:30 - 13:45	A NEW APPROACH FOR BUCKLING ANALYSIS OF LAMINATED GLASS PANELS Speaker: Heinz Wimmer - University of Applied Sciences Upper Austria, Austria
13:45 - 14:00	RELIABILITY AND SENSITIVITY ANALYSIS OF SLENDER STEEL MEMBERS UTILIZING NONLINEAR FINITE ELEMENT ANALYSES Speaker: Daniel Jindra - Brno University of Technology, Czech Republic
14:00 - 14:15	GENERATION OF FLOOR AND TERTIARY RESPONSE SPECTRA OF STRUCTURES UNDER SEISMIC EXCITATIONS AT MULTIPLE SUPPORTS Speaker: Wei-Chau Xie - University of Waterloo, Canada
14:15 - 14:30	PERFORMANCE OF NON-STRUCTURAL MASONRY REINFORCED WITH WELDED WIRE MESH AND STEEL FIBERS UNDER AXIAL COMPRESSION LOAD Speaker: Jaime Xavier Nieto Cárdenas - National University of Colombia, Colombia
14:30 - 14:45	CORRECTED SIMPLE MODELLING OF TRI-LINEAR TRUE STRESS-TRUE STRAIN RELATIONSHIP FOR STRUCTURAL STEEL Speaker: Toshikazu Takai - Kyushu Institute of Technology, Japan
14:45 - 15:00	APPLICATION OF WOOD-STEEL HYBRID SYSTEMS – STRUCTURAL CONCEPTUAL DESIGN IN URBAN TRANSFORMATIONS Speaker: Sladana Miljanovic - University of Sarajevo, Bosnia and Herzegovina
15:00 - 15:30	<b>Coffee Break</b>
15:30 - 15:45	THEORETICAL PREDICTIONS OF BENDING AND SHEAR CAPACITY OF CONTINUOUSLY SUPPORTED BEAMS REINFORCED WITH LONGITUDINAL GFRP REINFORCEMENTS Speaker: Michaela Štefanovicová - STU in Bratislava, Slovakia
15:45 - 16:00	MASONRY ELEMENTS STRENGTHENED WITH TRM: MODELLING IN "OOFEM" BY USING MULTI-LAYERED 3D ELEMENTS Speaker: Ingrid Boem - Czech Technical University, Czech Republic
<b>SESSION: ARCHITECTURAL CULTURE</b>	
Chairman: Fathi Bashier - Wollega University, Ethiopia	
16:00 - 16:15	ECCYCLES METHODOLOGY: THE DIVISION IN ARCHITECTURE DESIGN RESEARCH RECTIFIED Speaker: Fathi Bashier - Wollega University, Ethiopia
16:15 - 16:30	HYBRID HOUSING AT THE INTERFERENCE BETWEEN THE URBAN AND THE RURAL IN ROMANIA - THE POLITICAL AND ECONOMIC INFLUENCE ON HOUSING FORMS AND LIFESTYLES Speaker: Diana Galoş - Technical University of Cluj-Napoca, Romania
16:30 - 16:45	CREATIVE CITY - PROMOTING THE CITY NAME Speaker: Luís Moreira Pinto - CITAD Research Center, Portugal
16:45 - 17:00	ALGARVE DRY STONE WALLS – A RESILIENT FORGOTTEN CONSTRUCTED HERITAGE Speaker: Marta Marçal Gonçalves - University of Algarve, Portugal
<b>END OF ORAL SESSIONS</b>	

<b>HALL: STOCKHOLM - 5 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: PUBLIC SPACE</b>	
Chairman: Naima Benkari - Sultan Qaboos University, Oman	
13:30 - 13:45	GENESIS AND METHODS OF BUILDING A THEMATIC IDENTITY OF A GREEN PUBLIC SPACE OF THE MUSIC DISTRICT IN BYDGOSZCZ Speaker: Iga Grzeskow - Bydgoszcz University of Science and Technology, Poland
13:45 - 14:00	TRANSFORMING THE URBAN PUBLIC SPACE THROUGH ART AND DESIGN DURING THE COVID -19 PANDEMIC Speaker: Rabia Özgül Kilinçarslan - Izmir Univ. of Economics, Turkey
14:00 - 14:15	ASSESSING THE LEVEL OF LIVABILITY IN COMMERCIAL STREETS IN THE GULF. A MIXED METHOD APPLIED IN THE STREETS OF MUSCAT Speaker: Naima Benkari - Sultan Qaboos University, Oman
14:15 - 14:30	NO DAD: THE CLASSROOM IN OPEN SPACE Speaker: Zhen Chen - RECS Architects, Italy
14:30 - 14:45	PIASTOWSKI SQUARE IN BYDGOSZCZ AS AN EXAMPLE OF A PUBLIC SPACE THAT KEEPS THE IDENTITY OF A PLACE Speaker: Iga Grzeškow - Bydgoszcz University of Science and Technology, Poland
14:45 - 15:00	URBAN GREEN SPACES AS TOOLS TO FOSTER QUALITY OF LIFE IN SMART SUSTAINABLE CITIES Speaker: Letiane Benincá - Universitat Politècnica de Catalunya, Spain
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: TRANSPORTATION</b>	
Chairman: Martin Vlkovsky - University of Defence, Czech Republic	
15:30 - 15:45	SUGGESTED PAVEMENT MAINTENANCE MANAGEMENT SYSTEM FOR SAUDI ARABIA' S ROAD NETWORK Speaker: Abdullah Al-Mansour - King Saud University, Saudi Arabia
15:45 - 16:00	THE COMPRESSION FORCE MECHANISM OF THE TOP BELT OF A CONVEYOR BELT Speaker: Leopold Hrabovský - VSB - Technical University of Ostrava, Czech Republic
16:00 - 16:15	INSIGHTS INTO PUBLIC TRANSIT USE IN BERLIN – THE ROLE OF AUTONOMY AND PUBLIC TRANSIT PRIVACY Speaker: Lukas Barthelmes - Karlsruhe Institute of Technology (KIT), Germany
16:15 - 16:30	A NUMERICAL ANALYSIS FOR ESTIMATING CO2 EMISSIONS IN SINGLE-LANE AND DOUBLE-LANE ROUNDABOUT SYSTEMS Speaker: Gabriele Caruso - University of Palermo, Italy
16.30 - 16.45	COMPARISON OF TOPOGRAPHICAL GROUND SURVEYING AND SATELLITE-BASED SURVEYING OF A HIGHWAY IN SOHAR UNIVERSITY, OMAN Speaker: Osama Ibrahim - Sohar University, Oman
16.45 - 17.00	EU AND PORTUGUESE CYCLING STRATEGY FOR SUSTAINABLE URBAN MOBILITY Speaker: Bertha Santos - University of Beira Interior, Portugal
17.00 - 17.15	INFLUENCE OF TRUCK MILEAGE ON CARGO SECURING Speaker: Martin Vlkovsky - University of Defence, Czech Republic
<b>END OF ORAL SESSIONS</b>	

<b>HALL: ZURICH - 5 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: ARCHITECTURAL DESIGN AND METHODS I</b>	
Chairman: Georgia Cheirchanteri - University of West Attica, Greece	
13:30 - 13:45	CAN FRACTAL GEOMETRY BE CONSIDERED AS A DESCRIPTOR TO EXPRESS BEAUTY AND FUNCTION IN ARCHITECTURE, AN ANALYTICAL STUDY? Speaker: Abdulsalam Alshboul - AI - Ahliyya Amman University, Jordan
13:45 - 14:00	INVESTIGATION OF SHADED ATRIUM BUILDING IN HOT AND HUMID CLIMATE Speaker: Reihaneh Aram - Eastern Mediterranean University, Northern Cyprus
14:00 - 14:15	EVOLUTION OF THE NATURAL STONE FACADE CLADDING SYSTEM Speaker: María Soledad Camino-Olea - University Valladolid, Spain
14:15 - 14:30	IMPLEMENTATION OF PRACTICE-BASED METHODOLOGIES INTO ARCHITECTURAL EDUCATION: CASE STUDY FROM UNIVERSITY OF SARAJEVO – FACULTY OF ARCHITECTURE Speaker: Miladen Burazor - University of Sarajevo, Bosnia and Herzegovina
14:30 - 14:45	DESIGN LAB: ONLINE ACTIVITIES FOR AN ARCHITECTURAL DESIGN STUDIO Speaker: Anamika Mishara - Abu Dhabi University, UAE
14:45 - 15:00	MIXED-AGE PLAYGROUNDS DESIGNED BY CHILDREN Speaker: Didem Kan Kilic - Izmir University of Economics, Turkey
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: ARCHITECTURAL DESIGN AND METHODS II</b>	
Chairman: Abdulsalam Alshboul - AI - Ahliyya Amman University, Jordan	
15:30 - 15:45	THE GREEK STILT HOUSE TYPE AS A FORM OF DIACHRONIC DEWELLING: AN ANSWER TO THE CLIMATE CHANGE Speaker: Georgia Cheirchanteri - University of West Attica, Greece
15:45 - 16:00	VOIDS IN URBAN FABRIC Speaker: Gabriel-Ionut Petropol-Serb - Ion Mincu University of Architecture and Urbanism, Romania
16:00 - 16:15	SAMPLING A SUSTAINABLE APPROACH IN AN ARCHITECTURAL EDUCATIONAL CONTEXT Speaker: Anda-Ioana Sfintes - "Ion Mincu" University of Architecture and Urbanism, Romania
16:15 - 16:30	METHODS FOR INQUIRIES OF TRADITIONAL HOUSES Speaker: Jonathan Hans Yoas - The University of Sydney, Australia
16.30 - 16.45	INTERACTIVE DESIGN FOR CRUISE PUBLIC SPACES FROM THR PERSPECTIVE OF NARRATIVE IN VIRTUAL SCENSE Speaker: Shaoming Lu - Shanghai Jiao Tong University, China
<b>END OF ORAL SESSIONS</b>	

## 6 September, 2022 – Tuesday

<b>HALL: PRAGUE EAST - 6 September, 2022 – Morning Sessions</b>	
<b>SESSION: CONSTRUCTION MANAGEMENT AND ENGINEERING - I</b>	
Chairman: Marzia Morena - Politecnico di Milano, Italy	
09:00 - 09:15	ORGANIZATIONAL AND TECHNOLOGICAL SOLUTIONS FOR MANAGING THE PROCESSES OF REDUCING THE COST OF MONOLITHIC CONSTRUCTION Speaker: Elen B. Tregubova - Moscow State Univ. of Civil Eng., Russia
09:15 - 09:30	REVALUATION OF CONSTRUCTION PROJECTS USING STATISTICAL DATA Speaker: Martin Nový - Brno University of Technology, Czech Republic
09:30 - 09:45	LABORATORY RESEARCH ON THE EFFECT OF WATER FOAMING TECHNOLOGY ON BASIC PROPERTIES AND FOAMABILITY OF PAVING GRADE BITUMEN 50/70 AND POLYMER MODIFIED BITUMENS (45/80-55, 45/80-80) Speaker: Karolina Janus - Kielce University of Technology, Poland
09:45 - 10:00	HOTEL REFURBISHMENT AND BUILDING INFORMATION MODELLING (BIM) Speaker: Suha Jaradat - Edinburgh Napier University, UK
10:00 - 10:30	<b>Coffee Break</b>
<b>SESSION: CONSTRUCTION MANAGEMENT AND ENGINEERING - II</b>	
Chairman: Marzia Morena - Politecnico di Milano, Italy	
10:30 - 10:45	ENHANCEMENT OF PUBLIC REAL ESTATE: ITALIAN PENITENTIARY BUILDINGS Speaker: Marzia Morena - Politecnico di Milano, Italy
10:45 - 11:00	ANALYSIS OF SUCCESS FACTORS AFFECTING THE PUBLIC-PRIVATE PARTNERSHIPS IN THE PUBLIC SERVICES PROJECTS Speaker: Ghanim Bakr - Zarqa University, Jordan
11:00 - 11:15	EFFECTS OF WMA ADDITIVE AND POLYETHYLENE WAX MODIFIER ON THE PROPERTIES OF ASPHALT BINDERS Speaker: Joanna Bartos - Kielce University of Technology, Poland
11:15 - 11:30	EVALUATION OF AIR VOID CONTENT IN ASPHALT CONCRETE WITH USING WATER DISPLACEMENT METHODS AND COMPUTED TOMOGRAPHY Speaker: Małgorzata Durlej - Kielce University of Technology, Poland
11:30 - 11:45	BUILDING INFORMATION MODELING FOR CONSTRUCTION PROJECT MANAGEMENT: A LITERATURE REVIEW Speaker: Gabriel Castelbianco - Politecnico di Torino, Italy
11:45 - 12:00	MODULAR AND CONVENTIONAL CONSTRUCTION COMPARISON: A SUSTAINABLE PERSPECTIVE Speaker: Khalegh Barati - University of New South Wales, Australia
12:00 - 13:30	<b>LUNCH BREAK</b>
<b>HALL: PRAGUE EAST - 6 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: CONSTRUCTION MANAGEMENT AND ENGINEERING - III</b>	
Chairman: Piotr Stecz - Cracow University of Technology, Poland	
13:30 - 13:45	INFLUENCE OF TRAM SPEED ON THE LEVEL OF GENERATED VIBRATIONS ON PEOPLE INSIDE BUILDINGS Speaker: Piotr Stecz - Cracow University of Technology, Poland

13:45 - 14:00	HOUSING NEIGHBORHOODS IN THE UNITED ARAB EMIRATES: DIFFERENCES IN PERSPECTIVES BETWEEN FEMALE AND MALE PROFESSIONALS Speaker: Nour Abdelhamid - American University of Sharjah United Arab Emirates
14:00 - 14:15	LEVERAGING CONSTRUCTION EXPERTISE DURING PLANNING & DESIGN IN THE U.S. ARMY CORPS OF ENGINEERS Speaker: Scott W. Kramer - Auburn University, Auburn, USA
14:15 - 14:30	CAUSALITY? CORRELATION? COINCIDENCE? Speaker: Reuther Iris M. - Jade Hochschule Oldenburg, Germany
14:30 - 14:45	ANALYSIS OF DAMAGE CAUSED BY A NATURAL DISASTER WITHIN MUNICIPALITY Speaker: Jana Nováková - Brno University of Technology, Czech Republic
14:45 - 15:00	MULTIPLE LINEAR REGRESSION MODEL FOR PROJECT'S RISK PROFILE AND DSCR Speaker: Gabriel Castelbianco - Politecnico di Torino, Italy
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: CONSTRUCTION MANAGEMENT AND ENGINEERING - IV</b> Chairman: Piotr Stecz - Cracow University of Technology, Poland	
15:30 - 15:45	CONTRACT RENEGOTIATIONS IN PPPS: EVIDENCE FROM ITALY Speaker: Gabriel Castelbianco - Politecnico di Torino, Italy
15:45 - 16:00	FACTORS AFFECTING THE ADOPTION OF INDUSTRIALIZED CONSTRUCTION FROM THE DECISION MAKERS' PERCEPTION Speaker: Khalegh Barati - University of New South Wales, Australia
16:00 - 16:15	INVESTIGATING THE ECONOMIC HEIGHT OF COMMERCIAL BUILDINGS: CASE STUDY OF SYDNEY, AUSTRALIA Speaker: Khalegh Barati - University of New South Wales, Australia
<b>SESSION: INTEGRATED COASTAL ZONE PLANNING AND MANAGEMENT</b> Chairman: Isik Yilmaz – Cumhuriyet University, Turkey	
16:15 - 16:30	GROUNDWATER STORAGE CHANGES USING GRACE OBSERVATION Speaker: Tala Maksoud - United Arab Emirates University, United Arab Emirates
16:30 - 16:45	SEDIMENT REDISTRIBUTION AT A RIVER MOUTH: THE CASE OF LIGNANO SABBIA D'ORO Speaker: Silvia Bosa - University of Udine, Italy
16:45 - 17:00	DEPOSITIONAL AND EROSION EFFECTS OVER MEDIUM OR SHORT TERMS: THE CASE OF LIGNANO BEACH AND INLET MORPHOLOGIES Speaker: Silvia Bosa - University of Udine, Italy
<b>END OF ORAL SESSIONS</b>	

### **HALL: PRAGUE WEST - 6 September, 2022 – Morning Sessions**

#### **SESSION: CONSTRUCTION MATERIALS I**

Chairman: Nicola Baldo - University of Udine, Italy

09:00 - 09:15	A CASE STUDY ON MIX DESIGN, LOCAL PRODUCTION AND TESTING OF NORMAL AND HIGH STRENGTH STRUCTURAL LIGHTWEIGHT AGGREGATE CONCRETE Speaker: Hugo A. S. Pinto - University of Beira Interior, Portugal
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09.15 - 09.30	EXPERIMENTAL EVALUATION OF THE POTENTIAL USE OF WASTE RECYCLED CONCRETE FINE AGGREGATES TO PRODUCE SELF-COMPACTING CONCRETE Speaker: Hugo A. S. Pinto - University of Beira Interior, Portugal
09.30 - 09.45	EFFECT OF JUTE AND SISAL WASTE FIBERS ON MICROSTRUCTURAL PROPERTIES OF MORTARS: EXPERIMENTAL STUDY Speaker: Jyoti Rashmi Nayak - Silesian University of Technology, Poland
09.45 - 10.00	ALTERNATIVE SUPPLEMENTARY CEMENTITIOUS MATERIALS IN ULTRA-HIGH PERFORMANCE CONCRETE Speaker: Craig M. Newton - New Mexico State University, USA
10.00 - 10.30	<b>Coffee Break</b>
<b>SESSION: CONSTRUCTION MATERIALS II</b>	
Chairman: Marcin Kozłowski - Silesian University of Technology, Poland	
10.30 - 10.45	NANOTUBE SUSPENSIONS WITH CONCRETE ADMIXTURES Speaker: Eryk Goldmann - Silesian University of Technology, Poland
10.45 - 11.00	COMPARATIVE STUDY OF PHYSICO-MECHANICAL PROPERTIES OF POLYPROPYLENE FIBRE-REINFORCED GYPSUM COMPOSITES Speaker: Maria Isabel Romero Gómez - Universidad de Sevilla, Spain
11.00 - 11.15	IMPACT OF THE WATER FOAMING PROCESS ON THE PROPERTIES OF BITUMEN MODIFIED WITH WMA ADDITIVES Speaker: Mateusz Iwanski - Kielce University of Technology, Poland
11.15 - 11.30	FACTORS AFFECTING WATER ABSORPTION AND SETTING TIME OF SUSTAINABLE MORTAR WITH ALKALI ACTIVATED GGBS/FLY ASH BINDER Speaker: Osama Mohamed - Abu Dhabi University, United Arab Emirates
11.30 - 11.45	FIRE BEHAVIOUR OF WOOD AND WOOD-BASED COMPOSITE PANELS TOWARDS THE DEVELOPMENT OF FIRE-RESISTANT MULTILAYER SYSTEMS Speaker: Matheus Alves - Instituto Politécnico de Bragança, Portugal
11.45 - 12.00	THERMOMECHANICAL BEHAVIOUR OF BONDED JOINTS OF WOOD AND WOOD-BASED PANELS AT ROOM AND ELEVATED TEMPERATURES Speaker: Matheus Alves - Instituto Politécnico de Bragança, Portugal
12.00 - 13.30	<b>LUNCH BREAK</b>

### **HALL: PRAGUE WEST - 6 September, 2022 – Afternoon Sessions**

#### **SESSION: CONSTRUCTION MATERIALS II**

Chairman: Mateusz Iwanski - Kielce University of Technology, Poland

13.30 - 13.45	A MACHINE LEARNING APPROACH FOR THE PREDICTION OF ASPHALT CONCRETES VOLUMETRIC PROPERTIES AND PERFORMANCE Speaker: Fabio Rondinella - University of Udine, Italy
13.45 - 14.00	THERMAL, CHEMICAL AND MINERALOGICAL PROPERTIES OF SOIL BUILDING BLOCKS REINFORCED WITH CEMENT Speaker: Abdelmalek Ammari - National School of Architecture of Marrakech, Morocco
14.00 - 14.15	PROCESSING TECHNOLOGY AND APPLICATION METHOD OF 165MPA-UHPC SPECIAL-SHAPED PRESTRESSED PREFABRICATED BEAM Speaker: Yuchao Zhao - Shanghai Construction No.4 (Co. Ltd, China



14:15 - 14:30	DEVELOPMENT OF A CEMENTITIOUS POZZOLANIC MATERIAL USING CALCINED LOCAL CLAY: MECHANICAL AND DURABILITY PERFORMANCES Speaker: Mohammed Seddik Meddah - Sultan Qaboos University, Oman
14:30 - 14:45	SILICA FUME AS A SURROGATE FILLER IN ASPHALT CONCRETE MIXTURES: LABORATORY INVESTIGATION AND A MACHINE LEARNING-BASED PREDICTION Speaker: Nicola Baldo - University of Udine, Italy
14:45 - 15:00	NUMERICAL ANALYSIS OF POINT-SUPPORTED GLASS PANELS SUBJECTED TO STATIC LOADS AND SOFT BODY IMPACT Speaker: Marcin Kozłowski - Silesian University of Technology, Poland
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: CONSTRUCTION MATERIALS IV</b>	
Chairman: Ming-Gin Lee - Chaoyang University of Technology, Taiwan	
15:30 - 15:45	RESISTANCE TO MOISTURE AND FROST OF A COLD FINE-GRADED ASPHALT MIXTURE WITH A COMPOSITE BINDER Speaker: Marek Iwanski - Kielce University of Technology, Poland
15:45 - 16:00	IMPACT OF BARLEY ASH AS PARTIAL REPLACEMENT OF SAND IN MORTAR Speaker: Yasmeeen Taleb Obaidat - Jordan University of Science and Technology, Jordan
16:00 - 16:15	THERMOCHROMIC PAINT SOLUTION FOR BUILDINGS – AN EXPERIMENTAL AND NUMERICAL STUDY Speaker: Luis Baltazar - NOVA School of Science and Technology, Portugal
<b>SESSION: URBAN DESIGN</b>	
Chairman: Marian Marszałko – VSB Technical University of Ostrava, Czech Republic	
16:15 - 16:30	OLD TOWN VRATNIK – FUNCTIONAL TRANSFORMATION WITH MODERN ENGINEERING STRUCTURES Speaker: Jasenka Čakarić - University of Sarajevo, Bosnia and Herzegovina
16.30 - 16.45	SMART DECLINE FOR SHRINKING CITIES BASED ON THE SYSTEM OF SYSTEMS ENGINEERING: CASE STUDY OF THE SENBOKU HOTOKENAI-NETWORK PROJECT Speaker: Haruka Kato - Osaka City University, Japan
16.45 - 17.00	REGIONAL URBANISM IN SOUTHWEST LOUISIANA Speaker: Thomas C. Sammons – Univ. of Louisiana at Lafayette, USA
<b>END OF ORAL SESSIONS</b>	

### **HALL: ZÜRICH - 6 September, 2022 – Morning Sessions**

#### **SESSION: STRUCTURAL ENGINEERING II**

Chairman:

09:00 - 09:15	EFFECT OF SLENDERNESS RATIO AND SPIRAL CFRP CONFIGURATIONS ON THE BEHAVIOUR OF CONFINED CIRCULAR REINFORCED CONCRETE WITH SPIRAL CFRP ROPE Speaker: Ala' Taleb Obaidat - Philadelphia University, Jordan
09.15 - 09.30	ANALYSIS OF WATER AND SEWERAGE CHARGE RATE COMPONENTS IN THE REGIONS IN COMPARISON TO THE NATIONAL AVERAGE VALUES Speaker: Aneta Obloukova - Brno University of Technology, Czech Republic

09:30 - 09:45	HIGHER COMPRESSION STRENGTH CONCRETE AS INFILL OF SLENDER STEEL CIRCULAR COLUMNS Speaker: Pavla Bukovská - University of Technology, Czech Republic
09:45 - 10:00	REMOVING THE EFFECTS OF BUILDING DEFLECTIONS- TRADITIONAL AND INNOVATIVE METHODS Speaker: Katarzyna Nowak - Silesian University of Technology, Poland
10:00 - 10:30	<b>Coffee Break</b>
<b>SESSION: STRUCTURAL ENGINEERING III</b>	
Chairman: :	
10:30 - 10:45	THE ANALYSIS OF CAUSES OF DIFFERENTIAL DEFLECTION OF A BUILDING Speaker: Krzysztof Gromysz - Silesian University of Technology, Poland
10:45 - 11:00	CHANGES IN DEFLECTIONS AND DISPLACEMENTS OF THE RAILWAY BRIDGE ELEMENTS DURING MINING ACTIVITIES PERFORMED UNDERNEATH THE BRIDGE Speaker: Krzysztof Gromysz - Silesian University of Technology, Poland
11:00 - 11:15	SHIFTING FROM DEMOLITION TO DISASSEMBLY: A HYBRID TIMBER-STEEL MULTISTORY RESIDENTIAL BUILDING FOR CIRCULAR DESIGN Speaker: Pinar Engür - Yasar University, Turkey
11:15 - 11:30	REVIEW OF THE LITERATURE ON THE LOCATION OF VIBRATION SENSORS IN CASE OF ANALYSIS OF THE EFFECT OF VIBRATIONS ON HUMANS Speaker: Marcin Tomal - Cracow University of Technology, Poland
11:30 - 11:45	FIRE RESISTANCE OF CONCRETE COLUMNS WITH BFRP REINFORCEMENT BARS Speaker: Malgorzata Wydra - Warsaw University of Technology, Poland
11:45 - 12:00	VARIOUS ASPECTS OF HUMAN SAFETY DURING THE CONSTRUCTION AND USE OF TUNNELS Speaker: Tadeusz Tatara - Cracow University of Technology, Poland
12:00 - 13:30	<b>LUNCH BREAK</b>

**HALL: ZURICH - 6 September, 2022 – Afternoon Sessions**

**SESSION: STRUCTURAL ENGINEERING IV**

Chairman: Tadeusz Tatara - Cracow University of Technology, Poland

13:30 - 13:45	CRITICAL MOMENT OF BEAMS WITH MONOSYMMETRIC I-SHAPED SECTION Speaker: Ivan Baláž - STU in Bratislava, Slovak Republic
13:45 - 14:00	ELASTIC AND PLASTIC RESISTANCE OF THIN- WALLED HVH SECTIONS Speaker: Ivan Baláž - STU in Bratislava, Slovak Republic
14:00 - 14:15	PLASTIC RESISTANCE OF Z-SECTIONS UNDER VARIOUS INTERNAL FORCES Speaker: Ivan Balaz - STU in Bratislava, Slovak Republic
14:15 - 14:30	PERFORMANCE EVALUATION OF BUCKLING RESTRAINED BRACES IN CHEVRON & V-TYPE BRACE FRAMES UNDER BLAST LOADING Speaker: Rais Ahmad - California State University, USA
14:30 - 14:45	SEISMIC VULNERABILITY EVALUATION FOR REINFORCED CONCRETE BUILDINGS IN BAGHDAD, IRAQ, WITH DIFFERENT SETBACK IRREGULARITIES Speaker: Arif Weaam - Technical Univ. of Civil Engineering, Romania

14:45 - 15:00	INFLUENCE OF JOINT ROTATIONAL STIFFNESS ON THE DESIGN OPTIMIZATION OF GRID SHELLS Speaker: Valentina Tomei - University of Cassino and Southern Lazio, Italy
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: STRUCTURAL ENGINEERING V</b>	
Chairman: Tadeusz Tatara - Cracow University of Technology, Poland	
15:30 - 15:45	RESEARCH ON THE INFLUENCE OF THE TECHNIQUE OF STRENGTHENING WITH THE FRCM SYSTEM ON THE COMPRESSIVE STRENGTH OF CLAY BRICK WALLS Speaker: Wojciech Mazur - Silesian University of Technology, Poland
15:45 - 16:00	GEOMETRICALLY AND MATERIALLY NONLINEAR ANALYSIS OF SELECTED ASPECTS INFLUENCING RESISTANCE OF COLUMN WEBS IN TRANSVERSE COMPRESSION Speaker: Ivan Balázs - Brno University of Technology, Czech Republic
16:00 - 16:15	GREENERY IN SINGAPORE'S SELECTED HIGH-RISE BUILDINGS Speaker: Jerzy Szolomicki - Wroclaw University of Science and Technology, Poland
16:15 - 16:30	COLLING TOWER MEASUREMENT BY LASER SCANNER AND CLOSE-RANGE PHOTOGRAMMETRY Speaker: David Zahradník - Czech Technical University in Prague, Czech Republic
16:30 - 16:45	COMPARISON OF THE ENERGY DEMAND WITH THE ENVELOPE LIMITATION OF THE PERFORMANCE NORMATIVE OF BRAZIL AND SPAIN Speaker: Letiane Benincá - Universitat Politècnica de Catalunya, Spain
16:45 - 17:00	EFFECTIVENESS OF SOLAR SHADING DEVICES FOR BUILDINGS – CASE STUDY ANALYSIS OF A HOTEL Speaker: Luis Baltazar - NOVA School of Science and Technology, Portugal
<b>END OF ORAL SESSIONS</b>	

## 7 September, 2022 – Wednesday

<b>HALL: PRAGUE EAST - 7 September, 2022 – Morning Sessions</b>	
<b>SESSION: SOCIAL SCIENCES AND ARCHITECTURE</b>	
Chairman: Marian Drusa – Zilina University, Slovakia	
09:00 - 09:15	ENVIRONMENTAL FACTORS AND PROBLEM BEHAVIORS OF ASD CHILDREN: REDEFINITION, CLASSIFICATION AND ASSOCIATION Speaker: Xiangfeng Li - Southeast University, China
09.15 - 09.30	DESIGNING FOR PUPILS WITH THE AUTISM SPECTRUM DISORDER: CASE STUDY OF THE CAUDWELL INTERNATIONAL CHILDREN'S CENTRE, NEWCASTLE, UNITED KINGDOM Speaker: Klaudyna Mentel - Silesian University of Technology, Poland
09:30 - 09:45	THE COMUNICATION OF HERITAGE, ARCHITECTURE AND ENVIRONMENT: REFLECTIONS ON THIS POST-COVIDE PANDEMIC Speaker: Claudia Beato - Beira Interior University, Portugal
09:45 - 10:00	REFLECTION OF THE OLD CITY - ARCHITECTURE, HERITAGE, AND TOURISM: CIDADE VELHA IN CAPE VERDE Speaker: Claudia Beato - Beira Interior University, Portugal
10:00 - 10:30	<b>Coffee Break</b>
<b>SPECIFIC SESSION: Technological innovation and management in sustainable construction</b>	
Conveners & Chairman: Elżbieta Radziszewska-Zielina, Alicja Kowalska-Koczwara, Małgorzata Fedorczak-Cisak - Cracow University of Technology, Poland	
10:30 - 10:45	A FRAMEWORK FOR INDOOR TRACKING SYSTEM BASED ON PIR MOTION SENSORS FOR CONSTRUCTION SITES Speaker: Łukasz Rosicki - Warsaw University of Technology, Poland
10:45 - 11:00	ANIMAL PASSAGES AND RULES FOR THEIR DESIGN Speaker: Alicja Kowalska-Koczwara - Cracow University of Technology, Poland
11:00 - 11:15	OPTIMIZATION OF ENERGY EFFICIENCY WITH REGARD TO THE COMFORT OF USE FOR A HISTORIC BUILDING. CASE STUDY Speaker: Małgorzata Fedorczak-Cisak - Cracow University of Technology, Poland
11:15 - 11:30	SURVEY ON GREEN ROOFS IN POLAND Speaker: Elżbieta Radziszewska-Zielina - Cracow University of Technology, Poland
11:30 - 11:45	OPTIMIZATION OF ENERGY EFFICIENCY WITH REGARD TO THE COMFORT OF USE FOR THE EXPERIMENTAL BUILDING NZEB. CASE STUDY Speaker: Małgorzata Fedorczak-Cisak - Cracow University of Technology, Poland
11:45 - 12:00	INFLUENCE THE ACTUAL DISTRIBUTION OF ISOTHERMS IN THE NZEB BUILDING ENVELOPE DEPENDING ON THE INDOOR AND OUTDOOR CLIMATE Speaker: Małgorzata Fedorczak-Cisak - Cracow University of Technology, Poland
12:00 - 13:30	<b>LUNCH BREAK</b>

<b>HALL: PRAGUE EAST - 7 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: REGIONAL PLANNING, SUSTAINABLE URBAN DEVELOPMENT, ECONOMICS AND POLITICS I</b>	
Chairman: Christian Seal - Universidad de Santiago de Chile, Chile	
13:30 - 13:45	ANALYSIS OF THE IMPLEMENTATION OF THE RECYCLING PROGRAM BY THE MUNICIPALITY ASSOCIATION MSUR, METROPOLITAN REGION, CHILE Speaker: Christian Seal - Universidad de Santiago de Chile, Chile
13:45 - 14:00	THE ROLE OF HUMAN FACTOR FOR URBAN INFRASTRUCTURES Speaker: Marta Marçal Gonçalves - University of Algarve, Portugal
14:00 - 14:15	COMPARATIVE STUDY OF PIXEL AND OBJECT-BASED IMAGE CLASSIFICATION TECHNIQUES FOR EXTRACTION OF LAND USE/ LAND COVER INFORMATION Speaker: Mahesh Kumar Jat - Malaviya National Institute of Technology, India
14:15 - 14:30	WIND FLOW CFD SIMULATION OVER THE BUILDING ROOFTOP Speaker: Eliška Tůmová - Brno University of Technology, Czech Republic
14:30 - 14:45	SPANNING HETEROGENOUS URBAN CONDITIONS - CASE STUDY: CITY OF ZENICA Speaker: Aida Idrizbegovic Zgonic - University of Sarajevo, Bosnia and Herzegovina
14:45 - 15:00	STANDARDIZED TEMPORARY STRUCTURES AS A GENERATOR OF TEMPORARY URBANISM DEVELOPMENT IN SARAJEVO Speaker: Amela Sljivic - University of Sarajevo, Bosnia and Herzegovina
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: REGIONAL PLANNING, SUSTAINABLE URBAN DEVELOPMENT, ECONOMICS AND POLITICS II</b>	
Chairman: Marta Figurska - University of Warmia and Mazury in Olsztyn, Poland Miguel Amado - University of Lisbon, Portugal	
15:30 - 15:45	METHODOLOGY FOR ASSESSING THE AESTHETIC AND VISUAL ATTRACTIVENESS OF UNDERWATER LANDSCAPES IN THE ASPECT OF PLANNING LAKE COASTAL ZONES FOR TOURISM PURPOSES Speaker: Marta Figurska - University of Warmia and Mazury in Olsztyn, Poland
15:45 - 16:00	STRATEGIES FOR EFFICIENT HANDLING AND ECONOMIC CIRCULARITY FOR CONSTRUCTION AND DEMOLITION WASTE IN INDIA Speaker: Tarush Chandra - Malaviya National Institute of Technology (MNIT), India
16:00 - 16:15	MARKET AS AN URBAN ECOLOGICAL ENTRY POINT TO THE CITY CENTER Speaker: Silvia Bašová - STU in Bratislava, Slovakia
16:15 - 16:30	ELEMENTS CONCERNING THE IMPLEMENTATION OF CYCLE TRACKS WITHIN AN URBAN MOBILITY PLAN Speaker: Adelin Stirb - University Polytechnic Timisoara, Romania
16:30 - 16:45	ECOSYSTEM SERVICES ASSESSMENT IN URBAN PLANNING AND DESIGN AT A NEIGHBOURHOOD SCALE Speaker: Teodoro Semeraro - University of Salento, Italy

16.45 - 17.00	EDUCATION AND RESEARCH FOR SMALL AND MEDIUM-SIZED CITIES OF THE DANUBE URBAN CORRIDOR Speaker: Mihaela Hărmănescu - Ion Mincu University of Architecture and Urbanism, Romania
<b>END OF ORAL SESSIONS</b>	

<b>HALL: PRAGUE WEST - 7 September, 2022 – Morning Sessions</b>	
<b>SESSION: SUSTAINABILITY IN THE BUILT ENVIRONMENT I</b>	
Chairman: Katarzyna Ujma-Wąsowicz - Silesian University of Technology, Poland	
09:00 - 09:15	DO PEOPLE BELIEVE IN “GREEN” ENVIRONMENT: EVIDENCE FROM STUDENTS’ PRO-ENVIRONMENTAL ATTITUDE IN EDUCATIONAL BUILDINGS Speaker: Rana Elnaklah - Al-Ahliyya Amman University, Jordan
09:15 - 09:30	CONTEMPORARY DISCOURSE OF REGIONALISM – BETWEEN SENSE AND SENSIBILITY Speaker: Vedad Islambegovic – Univ. of Sarajevo, Bosnia & Herzegovina
09:30 - 09:45	STUDY ON THE EFFECT OF MAINTENANCE-FREE GREEN WINDOW SYSTEM ON INDOOR AIR QUALITY Speaker: Shenglin Bao - Huazhong Univ. of Scie. & Technology, China
09:45 - 10:00	IMPACT OF THE SUSTAINABLE CHALLENGES THAT PROMOTE THE USE AND RE-USE OF PETROLEUM-DERIVED POLYMERS IN ARCHITECTURAL AND FURNITURE DESIGN PRODUCTS Speaker: Ricardo Rugeles - Pontificia Universidad Javeriana, Colombia
10:00 - 10:30	<b>Coffee Break</b>
<b>SESSION: SUSTAINABILITY IN THE BUILT ENVIRONMENT II</b>	
Chairman: Mohamed Elkaftangui - Abu Dhabi University, United Arab Emirates	
10:30 - 10:45	DEVELOPING A SAFE AND HEALTHY BUILT ENVIRONMENT WITH EXAMPLES OF INTERDISCIPLINARY STUDENT RESEARCH PROJECTS Speaker: Katarzyna Ujma-Wąsowicz - Silesian University of Technology, Poland
10:45 - 11:00	FAST SYNTHESIS OF GAS HYDRATES Speaker: Anatolij Pavlenko - Kielce University of Technology, Poland
11:00 - 11:15	THE MOTION-BASED ANALYSIS OF KINETIC SHADING DEVICES ACTIVATED BY SMART MATERIALS Speaker: Onur Yalçın - Istanbul Technical University, Turkey
11:15 - 11:30	AN EXAMPLE OF SUSTAINABILITY: THE MONASTERY “SAINT JOHN THE NEW” FROM SUCEAVA Speaker: Andreea G., Cioban - Technical University of Cluj-Napoca, Romania
11:30 - 11:45	LES-ENERGY SEED AND HEALTH. FROM SCHOOL TO HOME: TOWARDS A MODEL TO RAISE AWARENESS ABOUT THE BENEFITS AND CO-BENEFITS OF ENERGY RETROFITTING IN THE RESIDENTIAL BUILDINGS Speaker: Eva Crespo Sánchez - Universitat Politècnica de Catalunya, Spain
11:45 - 12:00	A SOCIAL AND ECONOMIC CATALYST USING WOOD IN LATIN AMERICAN COUNTRIES Speaker: Natalia Caicedo-Llano - Universidad Tecnológica Metropolitana, Chile
12:00 - 13:30	<b>LUNCH BREAK</b>

<b>HALL: PRAGUE WEST - 7 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: SUSTAINABILITY IN THE BUILT ENVIRONMENT III</b>	
Chairman: Marta Figurska - University of Warmia and Mazury in Olsztyn, Poland Miguel Amado - University of Lisbon, Portugal	
13:30 - 13:45	DFD IN CONSTRUCTION: DISCUSSION TO ADAPT DFMA PRINCIPLES USED IN PRODUCT DESIGN Speaker: Esma G. Aydeniz - Istanbul Technical University, Turkey
13:45 - 14:00	DIGITAL TWINS APPLICATIONS IN THE WATER SECTOR Speaker: Nadia Maksoud - United Arab Emirates University, United Arab Emirates
14:00 - 14:15	CRITICAL SUCCESS FACTORS FOR THE SUSTAINABLE HOUSING ADOPTION: INTEGRATIVE LITERATURE REVIEW Speaker: Beatrice Lorenz Fontolan - Federal University of Technology - Parana, Brazil
14:15 - 14:30	RESIDENTIAL FACADE DEVELOPMENTS IN ABU DHABI: SIMULATION OF SUSTAINABLE KEY CONCEPTS Speaker: Mohamed Elkaftangui - Abu Dhabi University, United Arab Emirates
14:30 - 14:45	ZERO ENERGY FEASABILITY ANALYSIS FOR LARGE EXISTING OFFICE BUILDINGS Speaker: Javier Ruiz Gandullo - Polytechnic University of Catalonia, Spain
14:45 - 15:00	A REGENERATIVE ACTION AS PRESERVATION MEASURE OF CULTURAL LANDSCAPE: THE RESEARCH OF THE PHOTOVOLTAIC TECHNOLOGY UPON TRANSILVANIA TRADITIONAL ARCHITECTURE Speaker: Nina-Cristina Ditoiu - Technical University of Cluj-Napoca, Romania
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: SUSTAINABILITY IN THE BUILT ENVIRONMENT IV</b>	
Chairman: Christian Seal - Universidad de Santiago de Chile, Chile	
15:30 - 15:45	TOWARDS CLIMATE CHANGE ADAPTED BUILT ENVIRONMENTS - RETROFITTING THE EXISTING BUILDING STOCK OF MULTISTOREY RESIDENTIAL BUILDINGS FROM THE 19TH AND EARLY 20TH CENTURY IN URBAN AREAS IN GERMANY Speaker: Alexander Kader - LXX Kader + Architekten, Germany
15:45 - 16:00	WOOD USE FOR THE EXECUTION OF RESIDENTIAL CONSTRUCTIONS MADE OF MASONRY AND CAST IN SITU CONCRETE: MULTIPLE CASE STUDIES OF PARANA-BRAZIL Speaker: Cássio Gomes de Oliveira - Federal University of Latin American Integration (UNILA), Brazil
16:00 - 16:15	TERRITORY OCCUPATION IN THE PROTECTION PERIMETER AREA OF THE SÃO PEDRO DO SUL MEDICAL SPA - THE SITUATION OF THE NEW AQUATIC LEISURE EQUIPMENT OF HOTEL DO PARQUE (PORTUGAL) Speaker: Luis M. Ferreira-Gomes - Beira Interior University, Portugal
16:15 - 16:30	CONCEPTUAL FRAMEWORK OF WINDCATCHER'S NATURAL VENTILATION FOR AN URBAN THERMAL COMFORT Speaker: Aida Shayegany- Slovak University of Technology in Bratislava, Slovakia

16.30 - 16.45	ENERGY-EFFICIENCY IN THE DENSE URBAN CONDITIONS Speaker: Viera Joklova - Slovak University of Technology in Bratislava, Slovakia
16.45 - 17.00	MILL RACES AS HISTORICAL SOURCES OF HYDROPOWER AND THEIR POTENTIAL TODAY – EXAMPLES FROM SLOVAKIA Speaker: Viera Joklova - Slovak University of Technology in Bratislava, Slovakia
<b>END OF ORAL SESSIONS</b>	

### **HALL: ZURICH - 7 September, 2022 – Morning Sessions**

#### **SESSION: URBAN PLANNING I**

Chairman: Antonio Alberto Clemente - University "G. d'Annunzio", Italy

09:00 - 09:15	SOCIAL SUSTAINABILITY ASSESSMENT IN RECENT MASS HOUSING IN THE UNITED ARAB EMIRATES: SHA'AB AL ASHKHAR PROJECT Speaker: Baraah Hamdoon - United Arab Emirates University, UAE
09:15 - 09:30	NEW APPROACH ON URBAN PLANNING TO PROMOTE PEDESTRIAN MOBILITY IN LISBON Speaker: Jorge T. Ribeiro - University of Lisbon, Portugal
09:30 - 09:45	INVESTIGATING STREET CONNECTIVITY OF SUPERBLOCKS WITH EQUAL STREET CONSTRUCTION COST Speaker: Rim Anabtawi - UAEU, United Arab Emirates
09:45 - 10:00	STRUCTURAL -PARAMETRIC SPATIAL TRANSFORMATIONS OF CITIES - REGIONAL CENTERS OF THE WESTERN REGION OF UKRAINE IN THE POST-SOVIET PERIOD Speaker: Natalia Lysiak - Lviv Polytechnic National University, Ukraine
10:00 - 10:30	<b>Coffee Break</b>

#### **SESSION: URBAN PLANNING II**

Chairman: Antonio Alberto Clemente - University "G. d'Annunzio", Italy

10:30 - 10:45	nZEB AVANT LA LETTRE: AN ARCHITECTS' PERSPECTIVE Speaker: Ana Maria Dabija - Ion Mincu University of Architecture and Urbanism, Romania
10:45 - 11:00	IMPORTANCE OF RECLAMATION OF POSTINDUSTRIAL AREAS NEAR CITIES Speaker: Jobin Josh - VSB Technical University of Ostrava, Czech Republic
11:00 - 11:15	URBAN GREEN INFRASTRUCTURE PLANNING IN PUBLIC COMMENTS. LESSONS FROM PUBLIC CONSULTATION PROCESSES IN ROMANIA Speaker: Cristina-Gabriela Mitincu - University of Bucharest, Romania
11:15 - 11:30	SIMULATING FUTURE LAND USES TO ANALYZE THE INFLUENCE OF THE LANDSCAPE IN URBAN CHANGE: THE CASE OF INDUSTRIAL HERITAGE NEIGHBORHOODS IN CHILE Speaker: María Isabel López - Universidad del Bio-Bio, Chile
11:30 - 11:45	OUTCOMES OF INTERNATIONAL PROJECTS FOR SUSTAINABLE DEVELOPMENT OF RIVERSIDE TERRITORIES IN TRANSITION Speaker: Stefana Badescu - Polytechnic Univ. of Timisoara, Romania
11:45 - 12:00	RETHINKING THE CYCLE NETWORK AS AN ENVIRONMENTAL INFRASTRUCTURE Speaker: Antonio Alberto Clemente - University "G. d'Annunzio", Italy
12:00 - 13:30	<b>LUNCH BREAK</b>



<b>HALL: ZURICH - 7 September, 2022 – Afternoon Sessions</b>	
<b>SESSION: URBAN PLANNING III</b>	
Chairman: Marta Marçal Gonçalves - University of Algarve, Portugal	
13:30 - 13:45	THE EVOLUTION OF YINGKOU'S URBAN FORM IN THE PERSPECTIVE OF HISTORICAL INFORMATION TRANSCRIPTION Speaker: Li Miao - Dalian University of Technology, China
13:45 - 14:00	MONITORING AND CONTROL OF JUST TRANSITION IN MINING REGIONS: RELEVANT TOOLS Speaker: Mihai Danciu - Polytechnic University of Timisoara, Romania
14:00 - 14:15	TOWARD FUTURE NEARLY ZERO-ENERGY CITIES: THE IMPORTANCE OF ENERGY PERFORMANCE SIMULATION IN URBAN PLANNING AND DESIGN PROCESS Speaker: Francesca Poggi - CICS.NOVA - Interdisciplinary Center of Social Sciences - FCSH-UNL, Portugal
14:15 - 14:30	QUALITY OF LIFE IN THE CITY, CREATION OF SPACES BASED ON URBAN PLANNING STANDARDS Speaker: Anna Aneta Tomczak - Lodz University of Technology, Poland
14:30 - 14:45	SUSTAINABLE URBAN MOBILITY IN SMART SUSTAINABLE CITIES: CASES FROM LATIN AMERICA Speaker: Letiane Benincá - Universitat Politècnica de Catalunya, Spain
15:00 - 15:30	<b>Coffee Break</b>
<b>SESSION: RISK MANAGEMENT AND MITIGATION PLANNING &amp; GIS-BASED MODELLING II</b>	
Chairman: Isik Yilmaz – Cumhuriyet University, Turkey	
15:30 - 15:45	STUDY OF COAL DUST AND METHANE HYBRID MIXTURE EXPLOSIONS Speaker: Nika Bochorishvili - G. Tsulukidze Mining Institute, Georgia
15:45 - 16:00	INTRODUCTION OF ARCHITECTURE AND URBAN DESIGN FOR DISASTER RISK REDUCTION DATABASE ABOUT THE 2011 GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI Speaker: Osamu Murao - Tohoku University, Japan
16:00 - 16:15	LANDSLIDE SUSCEPTIBILITY MAPPING VARIABILITY BY USING OF FUZZY LOGIC OPERATORS: CASE STUDY OF LA LIBORIANA BASIN (SALGAR, COLOMBIA) Speaker: Johnny Vega - University of Medellín, Colombia
16:15 - 16:30	APPLICATION OF REMOTE SENSING METHODS FOR MONITORING OF ELECTRICAL POWER LINES Speaker: Armands Celms - Latvia University of Life Sciences and Technologies, Latvia
<b>END OF ORAL SESSIONS</b>	

<b>HALL: STOCKHOLM - 7 September, 2022 – Morning Sessions</b>	
<b>SESSION: ARCHITECTURAL SPACE</b>	
Chairman: Marian Marschalko – VSB Technical University of Ostrava, Czech Republic	
09:00 - 09:15	THE ENVIRONMENTAL DESIGN AND SPACE REQUIREMENTS OF MULTIPLE PURPOSE COMPLEX FOR ELDERLY Speaker: Ting-Yueh Chen - National Taipei University of Technology, Taiwan
09:15 - 09:30	ACCESSIBILITY OF SPACE AND FACILITIES FOR PEOPLE WITH DISABILITIES. SELECTED ISSUES Speaker: Anna Guminska - Silesian University of Technology, Poland

09:30 - 09:45	A PRELIMINARY REVIEW OF CASE STUDIES: WINDOW VIEW QUALITY IN BUILDING Speaker: Parinaz Sabet - Università degli Studi della Campania "Luigi Vanvitelli", Italy
09:45 - 10:00	DIFFERENT DISPLAY PATTERN OF COMMERCIAL SPACE IN CRUISES BASED ON THE SPACE NARRATIVE APPROACH Speaker: Shaoming Lu - Shanghai Jiao Tong University, China
10:00 - 10:30	<b>Coffee Break</b>
12:00 - 13:30	<b>END OF ORAL SESSIONS</b>

## 8 September, 2022 – Thursday

<b>HALL: PRAGUE EAST - 8 September, 2022 – Morning Sessions</b>	
<b>SPECIFIC SESSION: Safety management of infrastructures: social impacts, planning activities and organizational issues I</b>	
Conveners & Chairman: Paolo Castaldo, Roberta Troisi - Politecnico di Torino, Italy, University of Salerno, Italy	
09:00 - 09:15	PROBABILISTIC ASSESSMENT OF AN IRREGULAR EXISTING RC STRUCTURE: THE EFFECTIVENESS OF THE RETROFITTING INTERVENTION USING FPS Speaker: Diego Gino - Polytechnic University of Turin, Italy
09:15 - 09:30	SEISMIC RESPONSE OF VIADUCTS AND BRIDGES ISOLATED WITH FPS Speaker: Elena Miceli - Polytechnic University of Turin, Italy
09:30 - 09:45	SYSTEMIC APPROACH TO THE MANAGEMENT OF INFRASTRUCTURE SAFETY: ORGANIZATIONAL ISSUES Speaker: Paolo Castaldo - Polytechnic University of Turin, Italy
09:45 - 10:00	AN INVESTIGATION ON THE SEISMIC BEHAVIOUR OF BRIDGES ISOLATED WITH DCFP DEVICES Speaker: Guglielmo Amendola - Polytechnic University of Turin, Italy
10:00 - 10:30	<b>Coffee Break</b>
<b>SPECIFIC SESSION: Safety management of infrastructures: social impacts, planning activities and organizational issues II</b>	
Conveners & Chairman: Paolo Castaldo, Roberta Troisi - Politecnico di Torino, Italy, University of Salerno, Italy	
10:30 - 10:45	FINITE ELEMENT MODELLING OF A CAPACITIVE STRESS SENSOR Speaker: Gabriele Bertagnoli - Politecnico di Torino, Italy
10:45 - 11:00	ORGANIZATIONAL ECOLOGICAL EMBEDDEDNESS AND VULNERABILITY OF THE STRUCTURES Speaker: Roberta Troisi - University of Salerno, Italy
11:00 - 11:15	ARTIFICIAL NEURAL NETWORKS AND IMPACT OF THE ENVIRONMENTAL QUALITY ON URBAN REAL ESTATE VALUES Speaker: Gabriella Maselli - University of Salerno, Italy
11:15 - 11:30	STRUCTURAL HEALTH MONITORING OF A PRESTRESSED CONCRETE GIRDER BRIDGE DECK USING CLINOMETERS Speaker: Gabriele Bertagnoli - Politecnico di Torino, Italy
12:00 - 13:30	<b>LUNCH BREAK</b>

<b>HALL: PRAGUE WEST - 8 September, 2022 – Morning Sessions</b>	
<b>SESSION: ARCHITECTURAL HERITAGE AND CONSERVATION OF HISTORICAL STRUCTURES</b>	
Chairman: Gabriela Domokos - Pascu - Polyethnic University of Timisoara, Romania	
08:45 - 09:00	HISTORICAL BUILDINGS, SUSTAINABILITY AND RESTORATION: METHODS AND APPROACHES FOR ACHIEVING A SUSTAINABLE AND RESPECTFUL RESTORATION OF MATERIAL Speaker: Lucrezia Longhitano - University of Catania, Italy
09:00 - 09:15	CULTURAL LANDSCAPES IN BANAT: IDENTIFICATION METHODOLOGY AND TRANSFER OF KNOWLEDGE Speaker: Gabriela Domokos - Pascu - Polyethnic University of Timisoara, Romania

09.15 - 09.30	OLEDER VILLAGES: THE ARCHITECTURE, SPATIAL ASPECTS AND FLOOD RESILIENCE Speaker: Joanna Kubiak - Poznan University of Life Sciences, Poland
09:30 - 09:45	REHABILITATION OF WATERMILLS FOR RURAL TOURISM HOUSING - THE CASE OF SANFINS IN VALPAÇOS (PORTUGAL) Speaker: Luis M. Ferreira Gomes - Beira Interior University, Portugal
09:45 - 10:00	EVOLUTION OF ENERGY PRODUCTION FACILITIES IN POLAND: REMAINS OF GAS FACILITIES - ANALYSIS AND MODEL FOR HERITAGE CONSERVATION Speaker: Mateusz Grabowski - Lodz University of Technology, Poland
10:00 - 10:30	<b>Coffee Break</b>
<b>SESSION: ARCHITECTURAL HISTORIOGRAPHY</b>	
Chairman: Gabriela Domokos - Pascu - Polyethnic University of Timisoara, Romania	
10:30 - 10:45	INTERCULTURAL IMPACT OF CZECH ARCHITECTS ON ARCHITECTURAL DISCOURSE AND EDUCATION IN BOSNIA AND HERZEGOVINA Speaker: Erdin Salihovic - University of Sarajevo, Bosnia and Herzegovina
10:45 - 11:00	ECLECTISM AND IDENTITY. CULTURAL LANDMARK ARCHITECTURE IN BUKOWINA IN 19th AND 20th CENTURY Speaker: Ostrovsca Inna - Polytechnic University Timisoara, Romania
11:00 - 11:15	MEDIAEVAL MONASTIC HERITAGE AND CONTEMPORARY REHABILITATION. THE IDEAL BENEATH THE DESIGN, AN ADAPTATIVE RE-USE CASE Speaker: Ana M. T. Martins - University of Beira Interior, Portugal
11:15 - 11:30	INNOVATIONS IN THE ARCHITECTURE OF EVANGELICAL CHURCHES DURING THE ERA OF FUNCTIONALISM IN SLOVAKIA Speaker: Livia Bulikova - Slovak University of Technology in Bratislava, Slovakia
11:30 - 11:45	THE "CUBIST" DWELLINGS OF OLHÃO (PORTUGAL): A CASE STUDY ON DEVELOPING SKILLS IN ARCHITECTURAL REHABILITATION DESIGN THROUGH THE HISTORY OF ARCHITECTURE AND TRADITIONAL CONSTRUCTION TECHNOLOGIES Speaker: Ana M. T. Martins - University of Beira Interior, Portugal
11:45 - 12:00	SLATE STONE VILLAGES NETWORK: RESEARCH AND ADAPTATIVE RE-USE REGARDING MARTIM BRANCO'S BUILT HERITAGE (CASTELO BRANCO, PORTUGAL) Speaker: Ana M. T. Martins - University of Beira Interior, Portugal
12:00 - 13:30	<b>LUNCH BREAK</b>

#### **HALL: ZURICH - 8 September, 2022 – Morning Sessions**

##### **SESSION: RISK MANAGEMENT AND MITIGATION PLANNING & GIS-BASED MODELLING I**

Chairman: Marian Drusa – Zilina University, Slovakia

09:00 - 09:15	PROJECT MANAGEMENT AND RISKS OF THE TENDER DOCUMENTATION OF THE CONSTRUCTION PROJECT Speaker: Michal Mikulík - Brno University of Technology, Czech Republic
09.15 - 09.30	ANALYSIS OF THE EFFECTS OF EVACUATION CHOICE AND WAITING TIME IN QUEUES ON EVACUATION CROWDS IN UNDERGROUND STREETS DURING A DISASTER Speaker: Hibiki Motoi - Osaka Institute of Technology, Japan

09:30 - 09:45	THE EFFECTS OF VENTILATION ON BIOAEROSOL CONCENTRATIONS AND CONTAINMENT IN LONG-TERM CARE ENVIRONMENTS Speaker: Kevin Grosskopf - University of Nebraska-Lincoln, USA
09:45 - 10:00	HYDRAULIC MODELLING OF FLASH FLOODS PRODUCED BY FAILURES OF NATURAL DAMS AS INPUT TO A VULNERABILITY ASSESSMENT IN EXPOSED INFRASTRUCTURE AND HOUSING IN HIGH MOUNTAIN ANDEAN BASINS Speaker: Juan Parra - Colombian Polytechnic Colombia
10:00 - 10:30	<b>Coffee Break</b>
<b>SESSION: REGIONAL PLANNING, SUSTAINABLE URBAN DEVELOPMENT, ECONOMICS AND POLITICS III</b> Chairman: Justyna Rubaszek - Wrocław University of Environmental and Life Sciences, Poland	
10:30 - 10:45	ACCESSIBILITY OF GREEN SPACES IN THE CITY OF WROCLAW (POLAND) IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT AND ENSURING SOCIAL JUSTICE Speaker: Justyna Rubaszek - Wrocław Univ. of Env. & Life Sci., Poland
10:45 - 11:00	THE REGENERATION OF INFORMAL TERRITORIES: THE CASE OF PANTE MACASSAR IN TIMOR-LESTE Speaker: Miguel Amado - University of Lisbon, Portugal
11:00 - 11:15	SUSTAINABLE URBAN MOBILITY – ITALIAN AND POLISH EXPERIENCES ON RESEARCH AND IMPLEMENTATIONS Speaker: Elisabetta Venezia - University of Bari Aldo Moro, Italy
11:15 - 11:30	HEDONIC PRICES AND ECONOMIC EVALUATIONS OF GREEN AREAS AND TRANSPORT INFRASTRUCTURES INCIDENCES ON REAL ESTATE VALUES Speaker: Elisabetta Venezia - University of Bari Aldo Moro, Italy
12:00 - 13:30	<b>LUNCH BREAK</b>

### **HALL: STOCKHOLM - 8 September, 2022 – Morning Sessions**

#### **SPECIFIC SESSION: Analysis of bioclimatic strategies & sustainable construction processes**

Convener & Chairman: Marco Avila Calle - Catholic University of Cuenca, Ecuador

09:00 - 09:15	ESTIMATION OF THE RESISTANCE OF CONCRETE MIXTURES AFTER 28 DAYS, ACCORDING TO TEMPERATURE HISTOGRAMS AND TESTS AT EARLY AGES, CASE STUDY OF HYDRAULIC CEMENTS COMMERCIALIZED IN THE EQUATORIAL AUSTRO Speaker: Paúl Illescas Cárdenas - Catholic Univ. of Cuenca, Ecuador
09:15 - 09:30	PASSIVE BIOCLIMATIC STRATEGY: USE OF SOIL AND GRAVEL AS HIGH DENSITY AND SPECIFIC HEAT ROOFING MATERIALS Speaker: Jorge-Fernando Toledo-Toledo - Catholic Univ. of Cuenca, Ecuador
09:30 - 09:45	PASSIVE THERMAL SYSTEM FOR CAPTURING SOLAR ENERGY IN A HOUSE: TROMBE WALL Speaker: Lauro Milton Verdugo Romero - Catholic University of Cuenca, Ecuador
09:45 - 10:00	EVALUATION OF RADIANT HEATING FLOORS WITH THE USE OF RENEWABLE ENERGIES FOR THE AIR CLIMATE CONTROL OF HOUSES IN THE CAÑAR PROVINCE Speaker: Ana Gabriela Peñafiel - Catholic University of Cuenca, Ecuador
10:00 - 10:30	<b>Coffee Break</b>

<b>SESSION: THEORIES AND METHODS</b>	
Chairman: Joanna Kubiak - Poznan University of Life Sciences, Poland	
10:30 - 10:45	APPROACHES ON HOW TO FACE ONLINE EDUCATION IN ARCHITECTURAL STUDIES IN CHILE Speaker: Natalia Caicedo-Llano - Universidad Tecnológica Metropolitana, Chile
10:45 - 11:00	PRESERVATION ASSESSMENT METHOD FOR OLEDER VILLAGES IN FLOOD RISK AREAS Speaker: Joanna Kubiak - Poznan University of Life Sciences, Poland
11:00 - 11:15	CONVENTIONAL ANALYSIS OF CONTINUOUS BEAMS: VISUALIZATIONS AND DERIVED METHODS Speaker: Agustin Gregorio Lacort - University of the Basque Country, Spain
11:15 - 11:30	ACTION RESEARCH AND THE ROLE OF PARTICIPATION FROM A DESIGN PERSPECTIVE Speaker: Selin Gulden - Izmir University of Economics, Poland
11:30 - 11:45	ANALYSIS OF THE COOLING EFFECT CRITERIA OF BUILDING STRUCTURE AND ENERGY DEVICE Speaker: Jirí Hirš - Brno University of Technology, Czech Republic
12:00 - 13:30	<b>LUNCH BREAK</b>

# POSTER PROGRAM

5 September, 2022 – Monday

13.00 -15.00

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Stand No: 1 Junshan Liu - Auburn University, USA  
INVESTIGATION OF THE PRODUCTIVITY AND ACCURACY OF USE OF BOSTON DYNAMICS SPOT IN SUPPORT OF LIDAR SCANNING ON ACTIVE CONSTRUCTION SITES

Stand No: 2 Adam Boháček - Brno University of Technology, Czech Republic  
DETERMINATION OF RESISTANCE OF SEALED JOINT TO COMPRESSION STRESS

Stand No: 3 Ciprian Costescu - Politehnica University Timisoara  
SOLUTIONS FOR TRAFFIC DECONGESTION IN URBAN AREAS

Stand No: 4 Ciprian Costescu - Polytechnic University Timisoara, Romania  
INTERVENTION MEASURES ON TRANSPORT NETWORKS AFFECTED BY NATURAL DISASTER PHENOMENA

Stand No: 5 Marija Vaiciene - Vilnius College of Technologies and Design, Lithuania  
THE IMPACT OF PAPER SLUDGE WASTE ON PHYSICAL & MECHANICAL PROPERTIES OF CEMENTITIOUS MATERIALS

Stand No: 6 Martin Dědič - Institute of Technology and Business in České Budějovice, Czech Republic  
CONSTRUCTION-TECHNICAL SURVEY CHAPEL IN DOLNÍ NIVY

Stand No: 7 Martin Dedic - Faculty of Civil Engineering, Czech Technical University in Prague, Czech Republic  
ACQUISITION AND ANALYSIS OF DATA OF A HISTORICALLY SIGNIFICANT BUILDING USING DIGITAL PHOTOGRAMMETRY

Stand No: 8 Krzysztof Grzyb - Silesian University of Technology, Poland  
THEORETICAL AND EXPERIMENTAL ANALYSIS OF THE INFLUENCE OF THE HEIGHT OF VERTICAL PIERS ON THE TOTAL STIFFNESS OF MASONRY STIFFENING WALLS

Stand No: 9 Radosław Jasiński - Silesian University of Technology, Poland  
LOAD-BEARING CAPACITY OF MASONRY WALLS INFILLED FRAME

Stand No: 10 Radoslaw Jasinski - Silesian University of Technology, Poland  
VERIFYING THE SHEAR LOAD CAPACITY OF HORIZONTALLY REINFORCED MASONRY WALLS BY THE VRd-NEd INTERACTION DIAGRAM

Stand No: 11 Ana Milena Castrillón Rodríguez - University of Medellin, Colombia  
EVALUATION OF THE PERFORMANCE OF SOIL MIXTURES WITH CONSTRUCTION AND DEMOLITION WASTE (CDW), FOR THE IMPROVEMENT OF SUBGRADES OF LOW VOLUME TRAFFIC ROADS

Stand No: 12 Andrés Felipe Cuervo Vélez - University of Medellín, Colombia  
HYDRODYNAMIC DIAGNOSIS OF SKIMMING FLOW IN A STEPPED CHANNEL WITH VERTICAL CURVES,  
BASED ON NUMERICAL MODELING

Stand No: 13 Sneshana Platonova - Siberian State Industrial University, Russia  
THE RESEARCHES RESULTS OF THE SLIT STRIP FOUNDATION BASE OF THE STRESS-STRAIN  
DISTRIBUTION

Stand No: 14 Giovanni Leonardi - University of Reggio Calabria, Italy  
NUMERICAL MODELING OF A REINFORCED RAILWAY SUPERSTRUCTURE

Stand No: 15 Mehrad Kamalzare - California State Polytechnic University, USA  
EVALUATION OF DIFFERENT COMMON GEOSYNTHETIC DESIGN PROCEDURES FOR MATERIALS IN  
PAVEMENTS

## **15.00 -17.00**

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Stand No: 1 Jacek Golaszewski - Silesian University of Technology, Poland  
INFLUENCE OF TEMPERATURE ON RHEOLOGICAL PROPERTIES OF SCC AND ON LATERAL PRESSURE  
ON FORMWORKS

Stand No: 2 Jacek Golaszewski - Silesian University of Technology, Poland  
INFLUENCE OF SCC RHEOLOGICAL PROPERTIES ON EVOLUTION OF FORMWORK PRESSURE AT  
VARIOUS CASTING RATES

Stand No: 3 David Citek - CTU in Prague, Czech Republic  
EXPERIMENTAL DEVELOPMENT OF 3D PRINTING USING CEMENT COMPOSITES

Stand No: 4 Gabriela Kocourkova - Brno University of Technology, Czech Republic  
ANALYSIS OF OPERATIONAL ASPECTS, ECONOMIC DEMAND AND PUBLIC SWIMMING POOL  
MANAGEMENT IN THE CZECH REPUBLIC

Stand No: 5 Gabriela Kocourkova - Brno University of Technology, Czech Republic  
DEVELOPMENT OF AVERAGE PRICE OF WATER AND SEWERAGE CHARGES IN THE CZECH REPUBLIC  
AND ITS REGIONS - A CASE STUDY

Stand No: 6 Jozef Švajlenka - Technical University of Košice, Slovakia  
IMPLEMENTATION OF AUTOMATION AND ROBOTIZATION ELEMENTS IN THE PRODUCTION OF WOOD  
BUILDINGS

Stand No: 7 Jozef Švajlenka - Technical University of Košice, Slovakia  
ANALYSIS PROCESSES OF SELECTED WOODEN BUILDINGS

Stand No: 8 Dušan Briliak - The University of Žilina, Slovakia  
INVESTIGATION ON THE RELATIONSHIP BETWEEN STIFFNESS OF AGED BITUMINOUS BINDERS AND  
ASPHALT MIXTURES

Stand No: 9 Jiri Kaiser - Czech Technical University in Prague, Czech Republic  
PROCESS MODELING METHODS IN CIVIL ENGINEERING



Stand No: 10 Jirí Kaiser - Czech Technical University in Prague, Czech Republic  
USING OF STATE APPROACH IN PROCESS MODELLING IN CIVIL ENGINEERING

Stand No: 11 Jirí Kaiser - Czech Technical University in Prague, Czech Republic  
REQUIREMENTS ON THE DATA STRUCTURE FOR STORING DATA FROM MEASUREMENTS OF THE  
DATA ACQUISITION PROCESSES FOR CREATION OF 3D DIGITAL MODEL OF BUILDING USING  
PHOTOGRAMMETRY

Stand No: 12 Zuzana Struková - Technical University of Košice, Slovakia  
POTENTIAL FOR THE IMPLEMENTATION OF MODULAR APARTMENT BUILDINGS IN SLOVAKIA

Stand No: 13 Zuzana Struková - Technical University of Košice, Slovakia  
THE ROLE OF INDUSTRY 4.0 IN CONSTRUCTION SITE SAFETY AND SMART SOLUTIONS OF SAFETY  
RISK PREVENTION

Stand No: 14 Marcin Podsiadlo - Kielce University of Technology, Poland  
INFLUENCE OF POLYMER PARTICLES DISPERSION ON SELECTED BITUMEN PROPERTIES

Stand No: 15 Vitalijs Lusiņš - Riga Technical University, Latvia  
COMPARISON OF ELECTRICAL CONDUCTIVITY OF CEMENT COMPOSITE MATERIALS

**10.00 -12.00**

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Stand No: 1 Katarína Hodásová - University of Žilina, Slovakia  
UTILIZATION OF AUTOMOTIVE WASTE IN PAVEMENT STRUCTURES TO REDUCE TRAFFIC NOISE

Stand No: 2 Maciej Krasowski - Kielce University of Technology, Poland  
EFFECTIVE INFLUENCE OF THE POLYMER POWDER ON THE STIFFNESS REDUCTION OF THE CEMENT-BOUND MIXTURE – CBM

Stand No: 3 Patrycja Miera - Silesian University of Technology, Poland  
INFLUENCE OF POWDERED SCALE AND POWDERED POLYMETALLIC ORES ON SELECTED PROPERTIES OF CEMENT COMPOSITES

Stand No: 4 Szymon Dawczynski - Silesian University of Technology, Poland  
PROFESSIONAL PROFILE MAP AS A TOOL OF IMPROVING THE CONTINUING VOCATIONAL EDUCATION AND TRAINING (CVET) IN THE USE OF COMPOSITE MATERIALS BY ARCHITECTS AND CIVIL ENGINEERS

Stand No: 5 Szymon Dawczynski - Silesian University of Technology, Poland  
THE PROFESSIONAL CONTEXT OF FIBRE REINFORCED POLYMERS (FRP) IN POLISH CONSTRUCTION INDUSTRY

Stand No: 6 Szymon Dawczynski - Silesian University of Technology, Poland  
TIME AND MIXING TIME IMPACT ON THE FLEXURAL STRENGTH OF THE FLY ASH ALKALI ACTIVATED MORTAR

Stand No: 7 Daniel Dudek - Research Institute (ITB), Poland  
IMPACT OF SEA WATER ON THE STRENGTH OF STEEL ANCHORS

Stand No: 8 Ming-Gin Lee - Chaoyang University of Technology, Taiwan  
MECHANICAL PROPERTIES OF CONCRETE WITH CO<sub>2</sub> CURING

Stand No: 9 Ivan Doroshin - Moscow State University of Civil Engineering, Russia  
ORGANIZATIONAL AND TECHNOLOGICAL SOLUTIONS FOR MANAGING THE PROCESSES OF THE CERTIFICATION SYSTEM FOR THE QUALITY OF ASPHALT CONCRETE MIXTURES

Stand No: 10 Yang Liu - Harbin Institute of Technology, China  
APPLICATION OF VIDEO MONITORING TECHNOLOGY IN THE FIELD OF SAFETY MONITORING OF BRIDGE AND TUNNEL

Stand No: 11 Yang Liu - Harbin Institute of Technology, China  
APPLICATION STUDY OF NDT TECHNOLOGY IN BRIDGE AND TUNNEL

Stand No: 12 Bahman Zarazvand - Faculty of Civil Engineering STU in Bratislava, Slovakia  
SIMULATING VACUUM PRELOADING TECHNIQUE WITH FEM

Stand No: 13 Adelin Stirb - University Polytechnic Timisoara, Romania  
IMPROVEMENT OF THE BEARING CAPACITY ON THE SAFETY LANES/AREAS ADJACENT TO AIRPORT  
RUNWAYS

Stand No: 14 Marlin Acosta - Universidad de Medellín, Colombia  
RELIABILITY ANALYSIS OF PILE FOUNDATIONS IN SOFT SOILS. A CASE STUDY IN URABÁ (COLOMBIA)

Stand No: 15 Zofia Zięba - Wrocław University of Environmental and Life Sciences, Poland  
PAVEMENT ON SUBSTRATE WITH RANDOM CHARACTERISTICS IN A VARIABLE SATURATION STATE

## **13.00 -15.00**

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Stand No: 1 German Velasquez - University of Medellín, Colombia  
STUDY OF THE STRENGTH OF SOILS STABILIZED WITH QUICKLIME: CASE OF RESIDUAL AND  
SEDIMENTARY SOILS OF THE NORTHWEST OF COLOMBIA

Stand No: 2 Mounia Menoun Hadj Brahim - National Centre of Studies and Integrated Research on Building  
Engineering (CNERIB), Algeria  
NUMERICAL INVESTIGATIONS ON SEISMIC RESPONSE OF BUILDING UNDER THE INFLUENCE OF SOIL  
VERTICAL VARIABILITY OF SHEAR MODULUS

Stand No: 3 Magdalena Wróblewska - Silesian University of Technology, Poland  
PRACTICAL METHODS OF OBSERVATION OF THE IMPACT OF MINING EXPLOITATION IN THE RIGHT-  
OF-WAY ON A SELECTED EXAMPLE

Stand No: 4 Mariusz Wyrosłak - Gdansk University of Technology, Poland  
ASSESSMENT OF SUBSOIL SUBSIDENCE UNDER THE RAILWAY SURFACE WITH THE USE OF FUZZY  
SETS

Stand No: 5 Mariusz Wyrosłak - Gdansk University of Technology, Poland  
TRANSPORT OF DANGEROUS GOODS BY RAIL, AND THREATS TO THE SUBSOIL OF THE RAILWAY  
SURFACE IN THE EVENT OF A DISASTER

Stand No: 6 Peter Schnell - University of Stuttgart, Germany  
STEREOTYPICAL CUSTOMER TYPES OF CONVENTIONAL AND MODULAR CONSTRUCTION METHODS

Stand No: 7 Robert Beilicci - Polytechnic University Timisoara, Romania  
ADVANCE SEDIMENT TRANSPORT MODELLING, STUDY CASE BARZAVA RIVER, ROMANIA

Stand No: 8 Yveta Velisková - Institute of Hydrology SAS, Slovakia  
CHANGES OF FLOW AND THEIR IMPACT ON MASS TRANSPORT PROCESSES IN REAL SEWERS AFTER  
SEVERAL YEARS OPERATION TIME

Stand No: 9 Milan Cisty - Slovak University of Technology in Bratislava, Slovakia  
ANALYSIS AND BENCHMARKING OF SPRINKLER IRRIGATION SYSTEM PERFORMANCE

Stand No: 10 Tomáš Kučera - Brno University of Technology, Czech Republic  
THE EFFICIENCY OF DISSOLVED AIR FLOTATION – A LAB SCALE RESEARCH

Stand No: 11 Svetlana Moravciková - Brno University of Technology, Czech Republic  
LABORATORY REMOVAL OF TOXIC METALS FROM WATER USING SELECTED SORBENTS

Stand No: 12 Erika Beilicci - Polytechnic University Timisoara, Romania  
MODERNIZATION AND EXTENSION OF THE IRRIGATION SYSTEM - SPP1 - 1700 HA, SAHATENI,  
ROMANIA

Stand No: 13 Marie - Alice Ghitescu – Polytechnic University of Timisoara, Romania  
SPECIAL PROCEDURE FOR OPTIMIZING FISH PASSAGES, ON TÂRNAVA MICA RIVER AT BASEFLOW  
TRANSITION

Stand No: 14 Marie - Alice Ghitescu - Polytechnic University of Timisoara, Romania  
COMPUTER MODELLING OF AN AQUATIC FAUNA COMPLEX CONCRETE PASSAGE AT A RIVER  
BARRAGE

Stand No: 15 Marie - Alice Ghitescu - Polytechnic University of Timisoara, Romania  
THE IMPACT STUDY OF PROPOSED RIVER WORK ON FLOOD RISK ALONG JIUL DE VEST RIVER REACH

## **15.00 -17.00**

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Stand No: 1 Nica Ioan Flaviu - Technical University of Civil Engineering Bucharest, Romania  
ROMANIAN RAILWAY HERITAGE AND UNFINISHED RAILWAY ROUTE IN SOUTH DEVELOPMENT REGION

Stand No: 2 Nica Ioan Flaviu - Technical University of Civil Engineering Bucharest, Romania  
RAILWAY BORDER CONNECTIONS, DOUBLE RAILWAY GAUGE IN ROMANIA DURING UKRAINE CRISIS  
AND DEVELOPMENT POSSIBILITIES

Stand No: 3 Agnieszka Grzybowska - Bydgoszcz University of Science and Technology, Poland  
STRENGTHENING BUILDING STRUCTURES SUBJECT TO FIRE CONDITIONS ON THE EXAMPLE OF  
SELECTED CASES

Stand No: 4 Justyna Sobczak-Piastka - Bydgoszcz University of Science and Technology, Poland  
INCREASE IN CRACK RESISTANCE OF BENDING REINFORCED-CONCRETE ELEMENTS BY LOCAL  
DISPERSAL REINFORCEMENT OF THE TENSILE ZONE

Stand No: 5 Justyna Sobczak-Piastka - Bydgoszcz University of Science and Technology, Poland  
CHANGING THE POSITION OF THE NEUTRAL LINE OF BEAMS MADE OF GLUED WOOD IN CONDITIONS  
OF OBLIQUE BENDING

Stand No: 6 Justyna Sobczak-Piastka - Bydgoszcz University of Science and Technology, Poland  
THE PARADOX OF THE BEAUTIFUL OR THE ART PARADOX

Stand No: 7 Edmundas Beivydas - Vilnius Gediminas Technical University, Lithuania  
PARAMETRICAL ANALYSIS FOR SYMMETRICAL LOADING OF A SINGLE-SPAN COMPOSITE STRING  
STEEL STRUCTURE

Stand No: 8 Adrián Ondák - Slovak University of Technology, Slovakia  
THE USE OF RECYCLED AGGREGATES IN LOAD-BEARING CONCRETE STRUCTURES

Stand No: 9 Jiri Kala - Brno University of Technology, Czech Republic  
SENSITIVITY STUDY OF THE STEEL FOOTBRIDGE RESPONSE TO THE DAMPER PARAMETERS

Stand No: 10 Adriana Fajardo - Catholic University of Cuenca, Ecuador  
EVALUATION OF STRUCTURAL DAMAGE DUE TO LANDSLIDE IN THE PACCHA TOWN AND MITIGATION MEASURES FOR AFFECTED STRUCTURES

Stand No: 11 Michaela Štefanovicová - STU in Bratislava, Slovakia  
INFLUENCE OF RECYCLED AGGREGATE CONCRETE ON RESISTANCE OF COMPRESSION MEMBERS

Stand No: 12 Wojciech Mazur - Silesian University of Technology, Poland  
COMPARISON OF INFLUENCE OF SUPERFICIAL STRENGTHENING WITH THE FRCM SYSTEM ON SCHEAR CAPACITY OF MASONRY WALLS MADE OF CLAY BRICK

Stand No: 13 Ján Pecka - STU in Bratislava, Slovakia  
PARAMETRIC STUDY ON STRENGTHENING SLENDER REINFORCED-CONCRETE COLUMNS

Stand No: 14 Norbert Jendzelovsky - STU in Bratislava, Slovakia  
LEANING COLUMNS IN ARCHITECTURE - STATIC ANALYSIS

Stand No: 15 Eliska Kucova - STU in Bratislava, Slovakia  
DEFORMATION MODULUS OF GRAVELS INVESTIGATED BY DYNAMIC PENETRATION AND OEDOMETRIC TEST

### 10.00 -12.00

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Stand No: 1 Jan Kempa - Bydgoszcz University of Science and Technology, Poland  
RESEARCH OF THE IMPACT OF BUMPS ON VEHICLE SPEEDS

Stand No: 2 Pavel Fošumpaur - CTU in Prague, Czech Republic  
LOCK APPROACHES OPTIMIZATION TO IMPROVE WATERWAY TRAFFIC CAPACITY

Stand No: 3 Pavel Fošumpaur - CTU in Prague, Czech Republic  
OPTIMIZATION OF THE LOW-HEAD HYDROPOWER INTAKE STRUCTURE

Stand No: 4 Luca Quadrifoglio - Texas A&M University, USA  
MULTI-STEP DATA MINING TO PREDICT PAVEMENT CONDITION INDEX (PCI) THROUGH AN OPTIMIZED NEURAL NETWORK (ONN) MODEL

Stand No: 5 Luca Quadrifoglio - Texas A&M University, USA  
A PAIRING RIDESHARING MODEL TO REDUCE CONGESTION IN LARGE URBAN AREAS

Stand No: 6 Tomáš Kašpar - Czech Technical University in Prague, Czech Republic  
EFFICIENCY OF ENERGY DISSIPATION DURING FILLING OF THE NAVIGATION LOCK

Stand No: 7 Tomáš Kašpar - CTU in Prague, Czech Republic  
HYBRID MODEL OF THE LOCK FILLING/EMPTYING SYSTEM

Stand No: 8 Dahye Lee - Texas A&M University, USA  
DYNAMIC CHECKPOINT STRATEGY FOR THE FLEXIBLE TRANSIT SYSTEM

Stand No: 9 Alina Lipowicz-Budzynska - Bydgoszcz University of Science and Technology, Poland  
STRUCTURAL GLASS AND THE FORM OF AN ARCHITECTURAL OBJECT

Stand No: 10 Alina Lipowicz-Budzynska - Bydgoszcz University of Science and Technology, Poland  
IMAGE USING INTERFERENCE EFFECTS IN THE GLASS FAÇADE

Stand No: 11 Joanna Olenderek - Technical University of Lodz, Poland  
ŁÓDŹ UNITY MIRACLE IN THE FACE OF GAINING INDEPENDENCE

Stand No: 12 Claudiu-Sorin Dragomir - University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania  
MONITORING SENSOR TECHNIQUES FOR AN INTEGRATED AND DIGITALIZED DATABASE

Stand No: 13 Maciej Olenderek - Technical University of Lodz, Poland  
CRITERIA OF EVALUATION IN THE CONTEXT OF PROFESSIONAL ETHICS – TALK WITH STUDENTS OF ARCHITECTURE

Stand No: 14 Natália Filová - Slovak University of Technology, Slovakia  
ADAPTABLE HOUSING IN THE CONTEXT OF UNIVERSAL DESIGN AND SOCIAL CARE

Stand No: 15 Oana Mihaescu - "Ion Mincu" University of Architecture and Urban Planning, Romania  
INSPIRATION FOR LEARNING: RELATIONS BETWEEN PEDAGOGY AND SPACE IN SUSTAINABLE SCHOOLS

## **13.00 -15.00**

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Stand No: 1 Maria – Cristina Clenciu - Ion Mincu University of Architecture and Urbanism, Romania  
BETWEEN REDEMPTION AND RESILIENCE

Stand No: 2 Elena Grunt - Ural Federal University named after the First President of Russia B. N. Yeltsin, Russian Federation  
TERRITORIAL FACTORS AFFECTING STUDENTS' CHOICE OF HIGHER EDUCATION IN THE SCO PARTNER COUNTRY

Stand No: 3 Elena Grunt - Ural Federal University named after the First President of Russia B. N. Yeltsin, Russian Federation  
TERRITORIAL FACTORS OF CHOOSING A UNIVERSITY IN THE SCO PARTNER COUNTRY

Stand No: 4 Mária Budiaková - Slovak University of Technology in Bratislava, Slovakia  
RELATIONSHIP BETWEEN ARCHITECTURAL DESIGN AND THERMAL COMFORT IN MODERN SMALL LECTURE HALL

Stand No: 5 Mehdi Savary - University of Lisbon, Portugal  
TYPOLOGICAL STUDY OF TRADITIONAL HOUSES OF SEMNAN CITY

Stand No: 6 Aleksander Filip Furmanek - Bydgoszcz University of Science and Technology, Poland  
THE 3D PRINTING OF MODELS AS THE METHOD OF INCREASING THE QUALITY IN THE ARCHITECTURAL DESIGN

Stand No: 7 Aleksander Filip Furmanek - Bydgoszcz University of Science and Technology, Poland  
SPECIFIC PROBLEMS OF THE CULTURAL HERITAGE ON THE EXAMPLE OF THE ADAPTIVE REUSE ARCHITECTURE DESIGN OF THE MANOR HOUSE IN SICIENKO

Stand No: 8 Aleksander Filip Furmanek - Bydgoszcz University of Science and Technology, Poland  
THE GREENERY AROUND THE OLD TOWN OF TORUN IN AN ALTERNATING PROCESS OF CHANGE

Stand No: 9 Jan Ilavsky - Slovak University of Technology, Slovakia  
THE PRESENCE OF CYANOBACTERIA IN WATER RESERVOIR IN SLOVAKIA AND OPTIONS FOR THEIR REMOVAL

Stand No: 10 Milan Zukal - CTU in Prague, Czech Republic  
DEVELOPMENT AND CHALLENGES OF THE ELBE-VLTAVA WATERWAY IN THE 21st CENTURY

Stand No: 11 Li Miao - Dalian University of Technology, China  
EVOLUTION AND CONSERVATION OF ROAD NETWORK PATTERNS IN PORT TOWNS OF LIAONING PROVINCE

Stand No: 12 Simona - Daciana Pasca - Polytechnic University Timișoara, Romania  
RESTORATION AND CONSERVATION OF ARCHITECTURAL HERITAGE AND ARCHITECTURAL SURFACES BETWEEN EXECUTION AND ANALYTICAL RESEARCH

Stand No: 13 Xinjian Li - Southeast University, China  
PREVENTIVE CONSERVATION OF ARCHITECTURAL HERITAGE: PROGRESS AND CURRENT STATUS IN CHINA

Stand No: 14 Iasmina Onescu - Polyethnic University of Timisoara, Romania  
CASE STUDY OF THE SEISMIC VULNERABILITY OF A HISTORICAL BUILDING IN TIMISOARA, ROMANIA

Stand No: 15 Bogdan Braescu - Ion Mincu University of Architecture and Urbanism, Romania  
FIRE PROTECTION OF HERITAGE BUILDINGS IN ROMANIA: ROMANIAN LEGISLATION, MECHANISMS AND STRATEGIES

## **15.00 -17.00**

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Stand No: 1 Iva Lončar - University of Zagreb, Croatia  
SeisRICHerCRO PROJECT: SEISMICITY OF EARTHQUAKE PRONE REGIONS (TRAKOŠČAN, ŠIBENIK, AND DUBROVNIK) IN CROATIA

Stand No: 2 Davor Stanko - University of Zagreb, Croatia  
SeisRICHerCRO: MAPPING THE LOCAL SITE EFFECTS FROM THE ANALYSIS OF AMBIENT NOISE MEASUREMENTS IN EARTHQUAKE-PRONE (WITH SIGNIFICANT CULTURAL HERITAGE BUILDINGS) AREAS IN CROATIA

Stand No: 3 Jakov Stanislav Uglešić - University of Zagreb, Croatia  
SeisRICHerCRO: ESTIMATION OF LOCAL SITE FREQUENCIES USING MICROTREMOR MEASUREMENTS IN EARTHQUAKE PRONE (WITH SIGNIFICANT CULTURAL HERITAGE BUILDINGS) AREAS IN CROATIA

Stand No: 4 Lejla Džumhur - University of Sarajevo, Bosnia and Herzegovina  
SYNCRETISM IN REGIONALIST MODERN ARCHITECTURE OF BOSNIA AND HERZEGOVINA - MODELS OF SYNCRETIC PROCESSES AND FORMATIONS ON THE EXAMPLE OF THE WORKERS' HOUSE BY JURAJ NEIDHART

Stand No: 5 Lejla Džumhur - University of Sarajevo, Bosnia and Herzegovina  
CHANGING THE AUTHENTICITY AND INTEGRITY – SARAJEVO CARSI BETWEEN 1878-1918

Stand No: 6 Maha Fouad - Ain Shams University, Egypt  
HEALTH SUSTAINABILITY PROMOTING LIVABLE ENVIRONMENTS WITHIN RESIDENTIAL COMMUNITIES (EDISON EASTLAKE, PHOENIX & NASR CITY, CAIRO, EGYPT)



Stand No: 7 Edwin Pino-Vargas - Universidad Nacional Jorge Basadre Grohmann, Perú  
SUSTAINABILITY AND DURABILITY OF COMPRESSED STABILIZED EARTH BRICK: AN OVERVIEW

Stand No: 8 Marco Bellomo - University of Palermo, Italy  
MONITORING OF ARCHITECTURAL DESIGN AIMED AT IMPROVING THE SOCIAL IMPACT AND  
MANAGEMENT OF MIGRATION EMERGENCIES

Stand No: 9 Adriana Tokar - Polytechnic University of Timisoara, Romania  
MODERNIZATION OF THE HEAT SUPPLY SYSTEM OF THE UNIVERSITY OF AGRICULTURAL SCIENCES  
AND VETERINARY MEDICINE OF BANAT, FROM TIMISOARA

Stand No: 10 Adriana Tokar - Polytechnic University of Timisoara, Romania  
THE IMPACT OF ENVIRONMENTAL CONDITIONS ON THE PERFORMANCE OF POLYCRYSTALLINE  
PHOTOVOLTAIC PANELS

Stand No: 11 Adriana Tokar - Polytechnic University of Timisoara, Romania  
PROPOSALS FOR THE SEPARATION OF INORGANIC COMPONENTS FROM TECHNOLOGICAL  
WASTEWATER IN ORDER TO REDUCE LANDFILLS

Stand No: 12 Oana Mihaescu, Daniel Armenciu - "Ion Mincu" University of Architecture and Urban Planning,  
Romania  
CHEIA – A KEY RESEARCH PROJECT FOR SUSTAINABLE ARCHITECTURAL EDUCATION

Stand No: 13 Jan Jílek - University of Technology Brno, Czech Republic  
ANALYSIS OF THE RECONSTRUCTION OF A GREEN ROOF ON A MULTIFUNCTIONAL BUILDING IN BRNO

Stand No: 14 Dritan Profka - Polytechnic University of Tirana, Albania  
IDENTIFICATION OF THE CLIMATE CHANGE IMPACTS IN TIRANA, ALBANIA, THROUGH ANALYSES OF  
OBSERVED TEMPERATURE AND RAINFALL DATA

Stand No: 15 Dritan Profka - Polytechnic University of Tirana, Albania  
EVALUATION OF WATER VAPOR  
DIFFUSION AND CONDENSATION IN PREFABRICATED CONCRETE WALLS IN ALBANIA

### 10.00 -12.00

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Stand No: 1 Mihaela Violeta Pişleagă - Polytechnic University of Timisoara, Romania  
ANALYZE OF BISTRITA WATERSHED USING REMOTE SENSING

Stand No: 2 Mihaela Violeta Pişleagă - Polytechnic University of Timisoara, Romania  
ANALYSIS OF THE POTENTIAL OF RENEWABLE ENERGY IN THE PRODUCTION OF ELECTRICITY,  
HEATING AND COOLING FOR A SMALL COMMUNITY

Stand No: 3 Olena Lemak - Slovak University of Technology in Bratislava, Slovakia  
THE INTERACTION OF URBAN AND NATURAL SYSTEMS OF MODEL SETTLEMENTS IN DANUBE REGION

Stand No: 4 Olga Gonçalves - University of Beira Interior, Portugal  
OVERSIZING URBAN AREAS IN LOW-DENSITY REGIONS

Stand No: 5 Jakub Vynikal - Czech Technical University in Prague, Czech Republic  
AUTOMATIC CREATION OF STREET PLANS FOR URBAN PLANNING

Stand No: 6 Braun Steffen - Fraunhofer Institute for Industrial Engineering IAO, Germany  
FUTURE PUBLIC SPACE - FORESIGHT-BASED IMPLICATIONS AND DESIGN PATTERNS FOR POST-  
PANDEMIC PLACEMAKING STRATEGIES

Stand No: 7 Jana Jiřová - Czech Technical University in Prague, Czech Republic  
THE APPLICATION OF NEW TRANSPORT-ENGINEERING APPROACHES IN THE DEVELOPMENT OF  
PUBLIC SPACE

Stand No: 8 Adam Guzdek - FCE BUT, Czech Republic  
THE YOUNGEST CITY IN CZECHOSLOVAKIA

Stand No: 9 Shaoming Lu - Shanghai Jiaotong University, China  
EXPLORING MOATS AND THEIR PLACES OF MEMORY USING MULTI-SOURCE DATA: THE CASE STUDY  
OF CHANGJIANG DELTA REGION

Stand No: 10 Yuankai Wang - University College London, The United Kingdom  
THE STIGMERIC CITY: REINTERPRETING ECO-UTOPIA MODEL WITH STIGMERIC BEHAVIOUR

Stand No: 11 Anna Maria Kowalczyk - University of Warmia and Mazury in Olsztyn, Poland  
THEORY OF SIX VALUE AGGREGATION PATHS APPLICATION FOR ALTITUDE CHANGES ANALYSIS  
DETERMINED FROM PSINSAR – SURROUNDING OF DUNKIERKA GNSS STATION

Stand No: 12 Katarzyna Pajak - University of Warmia and Mazury in Olsztyn, Poland  
INVESTIGATION OF THE RELATIONSHIP BETWEEN OBSERVATIONS FROM TIDE GAUGE, SATELLITE  
ALTIMETRY AND BATHYMETRIC ON THE AFRICAN COAST

Stand No: 13 Marta Figurska - University of Warmia and Mazury in Olsztyn, Poland  
MODERN SOLUTIONS IN UNDERWATER EXPLORATION AS AN INDICATOR OF NEEDS IN LAKE SHORE  
INFRASTRUCTURE PLANNING

Stand No: 14 Daiga Skujane - Latvia University of Life Sciences and Technologies, Latvia  
THE PLANNING OF GREEN INFRASTRUCTURE USING A THREE-LEVELS APPROACH

Stand No: 15 Darja Kubecková - VSB-Technical University of Ostrava, Czech Republic  
RISK OF INVESTMENT PROJECTS OF LARGE WATER CORRIDORS WITH AN IMPACT ON URBANIZED  
AREAS, CASE STUDY DANUBE-ODRA-ELBE

## **13.00 -15.00**

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Stand No: 1 Oltion Marko - Polytechnic University of Tirana, Albania  
SITE SELECTION FOR SANITARY LANDFILL IN DIBRA REGION IN ALBANIA, USING MULTICRITERIA  
ANALYSIS EVALUATION

Stand No: 2 Luisa Lombardo - University of Palermo, Italy  
MADONIE SMART VILLAGES: TECHNOLOGICAL SUSTAINABLE DESIGN FOR SICILIAN INNER RURAL  
AREAS

Stand No: 3 Tímea Petrová - Slovak University of Technology, Slovakia  
SUSTAINABLE URBAN PLANNING OF BLUE - GREEN INFRASTRUCTURE WITH THE STRUCTURAL  
SUBSTRATE WITH A BIOCHAR COMPONENT

Stand No: 4 Katsiaryna Sudakova - Brno University of Technology, Czech Republic  
ENVIRONMENTAL CERTIFICATION AND ITS IMPACT ON THE OPERATING COSTS OF OFFICE  
BUILDINGS

Stand No: 5 Lyudmila G Lebedeva - Samara State University of Economics, Russia  
ARE THERE BIG DIFFERENCES IN FAMILY ESTIMATES BETWEEN RESIDENTS OF DIFFERENT TYPES  
OF SETTLEMENTS?

Stand No: 6 Catalin Popescu - Technical University of Civil Engineering Bucharest, Romania  
STRUCTURAL AND NON-STRUCTURAL MEASURES FOR FLOOD RISK MANAGEMENT IN URBAN AREAS

Stand No: 7 Veronika Bačová Mitková - Slovak Academy of Sciences, Slovakia  
THREATS AND DISASTROUS EFFECTS OF FLASH FLOODS FROM VARIOUS GEOGRAPHICAL REGIONS  
IN SLOVAKIA

Stand No: 8 Codruta Badaluta Minda - Polytechnic University of Timisoara, Romania  
THE MORPHOMETRIC PARAMETER ANALYSIS OF THE CATCHMENT USING GIS

Stand No: 9 Mihai Herbei - Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of  
Romania", Romania  
FLOOD RISK MANAGEMENT BY USING SAR (SYNTETHIC APERTURE RADAR) REMOTE SENSING  
IMAGES

Stand No: 10 Fangqian He - Wuxi Taihu University, China Preliminary study on the energy  
PRELIMINARY STUDY ON THE ENERGY DISSIPATION STRUCTURE WITH DISPLACEMENT DEPENDENT  
DAMPING AND VELOCITY DEPENDENT DAMPING

Stand No: 11 Pavla Pekárová - Slovak Academy of Sciences, Slovakia  
ANALYSIS AND LONG-TERM PREDICTION OF FUTURE DANUBE DISCHARGE AT BRATISLAVA

Stand No: 12 Abayomi Omishore - Brno University of Technology, Czech Republic  
SENSITIVITY ANALYSIS OF LIMIT STATES IN CIVIL ENGINEERING: FROM MODEL OUTPUT TO  
RELIABILITY ASSESSMENT

Stand No: 13 Libor Puklický - Brno University of Technology, Czech Republic  
TIME-DEPENDENT RELIABILITY ANALYSIS OF STAINLESS STEEL MEMBERS AND BRIDGES

Stand No: 14 Zdeněk Kala - Brno University of Technology, Czech Republic  
GLOBAL SENSITIVITY ANALYSIS OF STEEL BEAM RESISTANCE USING FINITE ELEMENT SIMULATIONS

### 10.00 -12.00

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Stand No: 1 Justyna Orwat - Silesian University of Technology, Poland  
APPROXIMATION PARAMETERS OF MINING TERRAIN SUBSIDENCE INDUCED BY A MULTI-SEAM EXPLOITATION OF HARD COAL DEPOSITS

Stand No: 2 Marcelina Olechowska - Silesian University of Technology, Poland  
IMPACT OF THE SHAPE OF A (TENSIONED) MEMBRANE CEILING ON THE ACOUSTIC CONDITIONS IN A ROOM

Stand No: 3 Jakub Krasowski - Kielce University of Technology, Poland  
ASSESSMENT OF THE INFLUENCE OF THE COMPOSITION OF THE HYDRAULIC BINDER ON THE MODULE OF STIFFNESS OF THE SUBBASE MADE OF MINERAL-CEMENT-EMULSION MIXTURE (BE-RCM)

Stand No: 4 Maurizio Marco Bocconcino - Politecnico di Torino - DISEG, Italy  
SOCIAL IMPACT AND URBAN QUALITY: GRAPHIC REPRESENTATION TOOLS FOR INTERPRETATION AND INTEGRATED DESIGN

Stand No: 5 Sara Fasana - Politecnico di Torino, Italy  
TOWARDS SAFETY RENOVATION IN COMPLEX URBAN HERITAGE

Stand No: 6 Henryk B. Loziczonek - Cracow University of Technology, Poland  
INFLUENCE OF THE THERMAL INSULATION COATING ON THE IMPROVEMENT OF THERMAL INSULATION OF BUILDING PARTITIONS

Stand No: 7 Henryk B. Loziczonek - Cracow University of Technology, Poland  
METHODS OF DETERMINING THE THERMAL CONDUCTIVITY OF BUILDING MATERIALS WITH HIGH AND MEDIUM THERMAL RESISTANCE

Stand No: 8 Henryk B. Loziczonek - Cracow University of Technology, Poland  
COMPARISON OF A NEARLY ZERO-ENERGY BUILDING (nZEB) WITH A PASSIVE BUILDING. CASE STUDY

Stand No: 9 Josef Musílek - Institute of Technology and Business in České Budějovice, Czech Republic  
CRANE SKEWING ANALYSIS ACCORDING TO STANDARDS AND ACCORDING TO A DYNAMIC MODEL

Stand No: 10 Dalibor Vytlačil - Czech Technical University in Prague, Czech Republic  
THE RESOURCE ASSESMENT DURING PROJECT IMPLEMENTATION INFLUENCED BY LOW QUALITY OF PERFORMED ACTIVITIES

Stand No: 11 Tomáš Navara - Institute of Technology and Business in České Budějovice, Czech Republic  
WEATHER IMPACTS ON ADDITIONAL ROOFING UNDERLAYS FOR SLOPING ROOFS

Stand No: 12 Pavlína Charvátová - Institute of Technology and Business in České Budějovice, Czech Republic  
THERMAL BRIDGES AS A PLACE OF ECONOMIC DAMAGE

Stand No: 13 Jan Plachý - Institute of Technology and Business in České Budějovice, Czech Republic  
USING THERMOGRAPHY FOR DETECTING MOULD GROWTH

Stand No: 14 Michal Kraus - Institute of Technology and Business in České Budějovice, Czech Republic  
PERCEPTIONS OF THE SENIOR POPULATION ON MOBILITY AND WALKABILITY IN SMALL-SCALE CITIES

Stand No: 15 Zuzana Kramářová - Institute of Technology and Business in České Budějovice, Czech Republic  
ANALYSIS OF INVESTIGATION OF THE LOAD OF PEDESTRIAN ROADS IN CHOTĚBOŘ



## **SOCIAL PROGRAM**

### **5 September, 2022 – Monday**

Opening Concert (in Hall Prague) - 10.30

Ice Breaking Party (in Garden of Duo Hotel) - 19:00

### **8 September, 2022 – Thursday**

Gala Dinner (in Garden of Duo Hotel) - 19:00

*(Barbeque Party and Surprise Shows)*

## **NOTES**

*Cocktail and gala dinner will be organized in open air.*

*As it was announced on the official web page, this year for the safety of our participants, Cultural & Field Trip will unfortunately not be able to be organized because of the travel restrictions by bus due to the Covid-19 pandemic.*