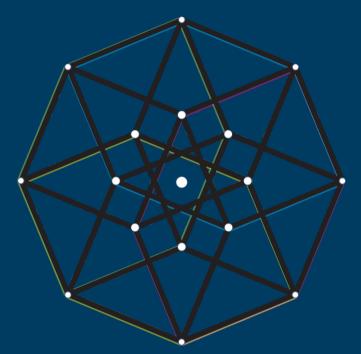
ФИНАЛНА ПРОГРАМА **FINAL PROGRAMME**



ГРАДЕЖНО КОНСТРУКТОРСТВО – БЕЗ ОГРАНИЧУВАЊА STRUCTURAL ENGINEERING – LIMITLESS



КОНСТРУКТОРИ НА МАКЕДОНИЈА

MASE 21 MET YHAPOJEH CUMПОЗИУМ INTERNATIONAL SYMPOSIUM

MACEDONIAN ASSOCIATION OF STRUCTURAL ENGINEERS

ОХРИД, С. МАКЕДОНИЈА OHRID, N. MACEDONIA 24 - 27 септември 2025 September 24th - 27th 2025



WEDNESDAY | September 24 | 2025

WEDITE	5711 September 24 2025
15 ⁰⁰ -17 ⁰⁰	Registration of participants
17 ⁰⁰ -18 ³⁰	Opening Ceremony (Diamond Hall)
	 Opening ballet show "Limitless" Welcome and Opening speech Darko Nakov, President of MASE Salute speeches Goran Markovski, Dean of FCE, UKIM, N. Macedonia Maria Pina Limongelli, Vice-President of IABSE Ivan Ignjatović, President of ASES, Serbia Primož Može, President of SASE, Slovenia Milivoje Rogać, Dean of FCE, Podgorica, Montenegro Peter Mark, RUB, Germany Doncho Partov, USEA "L.Karavelov", Bulgaria Kristinka Chulak, President of the Chamber of certified architects and certified engineers, N. Macedonia Igor Gjorgjiev, Director of IZIIS, UKIM, N. Macedonia Aneta Hristova Popovska, Dean of AFS, UKIM, N. Macedonia Patron speech Aleksandar Nikoloski, Deputy President of the Government of the Republic of N. Macedonia and Minister for Transport and communications Traditional music act, Damjan Pejchinoski & Nikola Micevski Granting of MASE Awards Granting of Honorary and Meritorious memberships of MASE
18 ³⁰ -19 ⁰⁰	Keynote Lecture (Diamond Hall)
IP-2	Eugen BRÜHWILER UHPFRC TO IMPROVE EXISTING AND BUILD NEW, SUSTAINABLE BRIDGES
19 ⁰⁰ -21 ⁰⁰	Welcome Reception

11⁰⁰-11³⁰ Coffee break

0800-0900	Registration of participants
0900-1100	SESSION 1 (Diamond Hall) Chair: Simona BOGOEVSKA & Gjorgji GOSHEV
09 ⁰⁰ - 09 ³⁰	Keynote Lecture
IP-7	Maria PINA LIMONGELLI DIGITAL BRIDGES: HARNESSING STRUCTURAL HEALTH MONITORING FOR INTEGRITY MANAGEMENT
09 ³⁰ -10 ⁰⁰	<u>Presentation of sponsors</u>
	Platinum Sponsors: ADING BECHTEL & ENKA
10 ⁰⁰ -11 ⁰⁰	MASE Awards
MA-1	Tome TROMBEV, Ljubisha CAUSEVSKI, Zlatko SAMARDZIOSKI, Robert KONESKI, Ilija PETROVSKI, Aleksandar TROMBEV, Filip SPASEVSKI, Toni JOVANOVSKI MANUFACTURING, TRANSPORT AND INSTALLATION OF STEEL STRUCTURE FOR TWO COMPOSITE BRIDGES IN TIRANA – ALBANIA
MA-2	Goran CHAPRAGOSKI SEISMIC ASSESSMENT AND RETROFITTING OF RC BUILDINGS USING INNOVATIVE BUILDING MATERIALS
MA-3	Milica JOVANOSKA-MITREVSKA ACOUSTIC RESONANT METAMATERIALS FOR SOUND TRANSMISSION REDUCTION
MA-4	Aleksandar ZHUROVSKI DAMAGE EVALUATION OF BUILDING STRUCTURES USING SEISMIC INTERFEROMETRY
MA-5	Marija DOCEVSKA JOVANOVA CONCRETE CREEP UNDER VARIABLE LOADINGS

IHUKSU	At September 25 2025
11 ³⁰ -13 ³⁰	SESSION 2 (Diamond Hall) Chair: Ana TROMBEVA-GAVRILOSKA & Igor GJORGJIEV
11 ³⁰ -12 ⁰⁰	Keynote Lecture
IP-8	Josè C. MATOS IMPLEMENTING NOVEL TECHNOLOGIES TOWARDS THE SUSTAINABLE MANAGEMENT OF EXISTING INFRASTRUCTURES
12 ⁰⁰ -12 ³⁰	Presentation of sponsors Platinum Sponsors: GOLDEN ART PENETRON IZOTEHNA
12 ³⁰ -13 ³⁰	MASE Awards
MA-6	Jasna GRUJOSKA-KUNESKA MODERN APPROACH IN EXISTING STATE DIAGNOSIS OF CULTURAL-HISTORICAL MONUMENTS – ARCHITECTURAL PERSPECTIVE
MA-7	Borjan PETRESKI EVALUATION OF DESIGN METHODOLOGY FOR SELF-CENTRING CONCENTRICALLY BRACED FRAMES
MA-8	Angela POPOSKA, Zoran RAKICEVIC, Theodoros L. KARAVASILIS ENHANCED SELF-CENTERING BRACED STEEL FRAMES IN SEISMIC PRONE REGIONS
MA-9	Liljana DIMEVSKA SOFRONIEVSKA ENERGY PERFORMANCE ANALYSIS OF MODERNIST BUILDINGS WITH APPLIED FACADE NANOMATERIALS
MA-10	Aleksandar Zlateski Assessment and upgrading of Seismic Resilience of Urban Cultural Heritage Centers
13 ³⁰ -14 ³⁰	Buffet lunch (Restaurant)
14 ³⁰ -15 ¹⁵	SESSION 3 (Diamond Hall) Chair: Darko NAKOV & Ivan IGNJATOVIĆ
14 ³⁰ -15 ⁰⁰ IP-9	Keynote Lecture Jesper PIHL LONG SPAN SUSPENSION BRIDGES WITHOUT LIMITS
15 ⁰⁰ -15 ¹⁵	Presentation of sponsors Platinum Sponsor: KARPOSH

15 ¹⁵ -16 ¹⁵	Parallel session 3-1: (Diamond Hall) Chair: Darko NAKOV & Ivan IGNJATOVIC
CM-14	Marco NOVARIN SEISMIC ISOLATION OF BRIDGES FOR ROADWAY AND RAILWAY INCREMENTALLY LAUNCHED DECKS IN AZERBAIJAN AND SERBIA
TEA-8	Radomir FOLIĆ, Miloš ČOKIĆ SEISMIC FRAGILITY ANALYSIS OF CORRODED REINFORCED CONCRETE BRIDGES
CM-12	Goran MILUTINOVIC, Rade HAJDIN TYPICAL BRIDGE REHABILITATION ISSUES IN THE U.S.A.
RDS-2	Doncho PARTOV, Jíří STUDNIČKA, Hartmut PASTERNAK, Lazar GEORGIEV STEEL BRIDGE ACCIDENTS AND THE LESSONS THEY TEACH
15 ¹⁵ -16 ¹⁵	Parallel session 3-2: (VIP Hall) Chair: Kristina MILKOVA & Vlastimir RADONJANIN
MMT-2	Igor GJORGJIEV, Marija VITANOVA, Borjan PETRESKI, Alfred STRAUSS, Florentina Doina IONESCU, Sérgio FERNANDES A COMPARATIVE RISK ASSESSMENT OF GREY INFRASTRUCTURE AND NB SOLUTIONS FOR PROTECTING CRITICAL INFRASTRUCTURE
CM-23	Ljubomir VLAISAVLIEVIĆ, Milica RADOVIĆ BRIDGES IN INTERCHANGES KUZMIN AND BOSUT, WHICH ARE PART OF THE HIGHWAY KUZMIN – SREMSKA RACA
MMT-11	Jovana TOPALIĆ, Vladimir MUČENSKI, Maja PETROVIĆ DELPHI-BASED RISK ASSESSMENT MODEL FOR WASTEWATER TREATMENT: TOWARD SUSTAINABLE DEVELOPMENT
SHM-2	Bernardica CRNOGORAC, Borna GRADEČAK, Domagoj DOBRILOVIĆ, Marko BABIĆ, Marko BUKOVAC TESTING AND SURVEYING OF WATER TOWER TŽV "GREDELI" FOR THE PURPOSE OF BUILDING CONDITION ASSESSMENT
15 ¹⁵ -16 ¹⁵	Parallel session 3-3: (Golden Hall) Chair: Josif JOSIFOVSKI & Djordje LADJINOVIC
TEA-4	Kenneth C. CRAWFORD, Evan BALDWIN APPLYING THE FOURIER TRANSFORM TO ANALYZE STRUCTURAL MATERIAL DETERIORATION
CM-13	Jelena MIRJANIĆ, Petar LAZIČIĆ, Igor DŽOLEV, Andrija RAŠETA, Vladimir ŽIVALJEVIĆ IMPORTANCE OF PHASED CONSTRUCTION ANALYSIS IN STRUCTURAL ENGINEERING ASSIGNMENTS

TEA-10	Marija GALEVSKA, Simona BOGOEVSKA, Kristina MILKOVA, Sergej CHURILOV, Elena DUMOVA-JOVANOSKA VIBRATIONS IN BUILDINGS: COMPARATIVE ANALYSIS ACCORDING TO ISO 2631-1 AND ISO 2631-2
TEA-9	Vasko GACEVSKI, Stefani GJORGJEVSKA, Zlatko ZAFIROVSKI QUANTITATIVE TIME ANALYSIS: COMPARING TWO TUNNEL SEGMENTS OF EQUAL LENGHT
16 ¹⁵ -17 ⁰⁰	Posters & Coffee (Terrace)
Al-4	Mihailo OSTOJIC, Milos KNEZEVIC OPTIMIZING CONSTRUCTION START DATES USING NEURAL NETWORKS: THE ŽABLJAK MOUNTAIN CASE STUDY
AI-6	Žarko PETROVIĆ, Bojan MILOŠEVIĆ, Nenad KOJIĆ ARTIFICIAL NEURAL NETWORKS AND THEIR APPLICATION IN THE DESIGN OF MASONRY STRUCTURES
AI-7	Dragana STANOJEVIĆ, Vladimir MUČENSKI, Igor PEŠKO, Mirjana TERZIĆ, Milena SENJAK PEJIĆ, Jovana TOPALIĆ ARTIFICIAL INTELLIGENCE IN CONSTRUCTION – ANALYSIS OF METHODOLOGIES, ADVANTAGES AND CHALLENGES
AT-15	Valentina ZILESKA PANCOVSKA, Admir AJDINOSKI, Todorka SAMARDZIOSKA, Sead ABAZI COSTS FOR TEMPORARY CONSTRUCTION SITE FOR BUILDINGS
AT-6	Bojan ILIOSKI, Violeta GJESHOVSKA, Aleksandar BOZINOV NUMERICAL ANALYSIS OF FLOOD WAVE PROPAGATION DUE TO DAM FAILURE
AT-8	Eva KRSTESKA, Emilija STOJKOVSKA INTEGRATED ENGINEERING APPROACH FOR THE DESIGN AND ANALYSIS OF A STEEL STORAGE STRUCTURE IN A SEISMIC ZONE ER IN BELGRADE
BIM-1	Marija Arangjelovska, Denis Popovski, Mile Partikov Application of Softwares for Analysis of Steel Construction of a modular Parking Lot
BIM-2	Jelena BLEIZIFFER, Jurica Tin HLEBEC BIM FOR BRIDGE MANAGEMENT SYSTEMS
CM-2	Jelena BLEIZIFFER, Predrag PRESEČKI, Dunja BOŽIĆ ANALYSIS OF TWO VARIANTS FOR THE FLOOR SLABS ON EXAMPLE OF THE SKYLINE SKYSCRAPER IN BELGRADE
CM-8	Biljana LOVČEVIĆ-KURELJUŠIĆ, ĐOrđe JOVANOVIĆ, Rastislav KRAGIĆ, Anka STARČEV-ĆURČIN ANALYSIS OF THE IMPACT OF STORM WINDS ON THE SUPPORTING STRUCTURES OF SOLAR POWER PLANTS AND PROPOSALS FOR STRUCTURAL ELEMENTS' STRENGTHENING
CM-16	Nada PAVLOVIĆ, Lazar STANKIĆ STRUCTURAL SOLUTIONS FOR BRIDGES AND OVERPASSES ON THE E763 HIGHWAY, PRELIINA - POŽEGA SECTION

CM-19	Anita RUSOMAROVSKA, Simona KOSTESKA, Vasilija K. SHTERJOSKI, Merita ISMAILI, Katerina TRIFUNOSKA PRECAST REINFORCED CONCRETE STRUCTURES: APPLICATION, ADVANTAGES AND SEISMIC RESISTANCE
CM-21	Bojan SUSINOV, Sead ABAZI, Pavle PETROVSKI, Bulent SULOODZA A DESIGN APPROACH FOR WIND TURBINE FOUNDATIONS IN VARYING ROCK TYPES
CM-22	Ivana TADIĆ, Mirko VOJINOVIĆ DESIGN OF BRIDGE M1 AT KM 0+225 ON KRAGUJEVAC BYPASS
MMT-3	Bojan GOLABOSKI, Todorka SAMARDZIOSKA, Dragan STAMEV SUSTAINABLE APPLICATION OF RED CLAY IN MASONRY BLOCKS
MMT-4	Vesna GRUJOSKA, Todorka SAMARDZIOSKA BACTERIAL SELF-HEALING CEMENT COMPOSITES: WORLD RESEARCH REVIEW
ммт-5	Jasna GRUJOSKA-KUNESKA, Veronika SHENDOVA SAFEGUARDING BUILT HERITAGE: A NON-DESTRUCTIVE APPROACH TO SUSTAINABLE CONSERVATION
ММТ-9	Aleksandra RADUJKOVIĆ, Tatjana KOČETOV MIŠULIĆ, Ivan LUKIĆ, Zoran BRUJIĆ PREDICTION OF MODULUS OF ELASTICITY OF TWO POPLAR CLONES USING ULTRASOUND TECHNIQUE
MMT-10	Marko STOJANOVIĆ, Ksenija JANKOVIĆ, Dragan BOJOVIĆ, Anja TERZIĆ, Ljiljana MILIČIĆ, Slobodan ŠUPIĆ THE INFLUENCE OF CRUMB RUBBER ON THE CHLORIDE PENETRATION RESISTANCE OF CONCRETE
MRS-3	Marija PETKOVSKA REASONS FOR DAMAGE AND REHABILITATION OF BUILDINGS
SHM-9	Zlatko SRBINOSKI, Zlatko BOGDANOVSKI, Filip KASAPOVSKI, Filip PETROVSKI, Tome GEGOVSKI APPLICATION OF CONTEMPORARY GEODETIC MEASUREMENT TECHNOLOGIES FOR SPECIALIZED STRUCTURAL ANALYSE
17 ⁰⁰ -17 ⁵⁰	SESSION 4 (Diamond Hall) Chair: Sergey CHURILOV & Miloš KNJEZEVIĆ
	Chair: Sergey Choricov & Millos KNJEZEVIC
17 ⁰⁰ -17 ³⁰	Keynote Lecture
IP-4	Tomo CEROVŠEK THE DIGITAL TRANSFORMATION OF STRUCTURAL ENGINEERING WITH BUILDING INFORMATION MODELLING (BIM) AND AI
17 ³⁰ -17 ⁵⁰	Presentation of sponsors Gold Sponsors: PROTA SOFTWARE HALILI + PARTNER

17 ⁵⁰ -18 ⁵⁰	Parallel session 4-1: (Diamond Hall) Chair: Sergey CHURILOV & Miloš KNJEZEVIĆ
CM-1	Toni ARANGJELOVSKI, Sonja CHEREPNALKOVSKA, Katerina VELJANOVSKA, Goce PRANGOVSKI CHALLENGES IN THE STANDARDIZATION OF CONSTRUCTION PRODUCTS AND PROCESSES IN THE CONSTRUCTION INDUSTRY
BIM-4	Nikola NISEV, Denis POPOVSKI, Mile PARTIKOV IMPLEMENTATION AND EVOLUTION OF BIM
BIM-3	Nikola NISEV, Denis POPOVSKI, Mile PARTIKOV COMPARATIVE EVALUATION OF DIFFERENT BIM APLICATIONS FOR STRUCTURAL DESIGN
CM-18	Nikola RAJIĆ CUSTOMIZABLE PARAMETRIC FRAMEWORKS FOR BRIDGE DESIGN IN LARGE- SCALE PROJECTS
	Parallel session 4-2: (VIP Hall)

:	17 ⁵⁰ -18 ³⁵	Parallel session 4-2: (VIP Hall)
	1, 10	Chair: Aleksandra BOGDANOVIC & Duško LUČIĆ
	CM-24	Jovana VUJIČIĆ, Slobodan JAĆOVIĆ STABILITY PROBLEMS OF THE NEW SAVA BRIDGE STEEL SUPERSTRUCTURE
	CM-20	Elena STOKUĆA, Marija STOKUĆA TERZIEVSKA, Semrane HEBIPI STRUCTURE NECESSARY FOR THE CRUCIAL INSTALLATION PHASES OF THE BRIDGE
	AT-7	Jovanka KOVACHESKA TIED-ARCH STEEL BRIDGES: THE COMPLEXITY OF INSTALLATION SHOWN THROUGH THE PROJECT EÜ ZOLLKANAL - RENEWAL OF THE VEDDEL BRIDGES

17 ⁵⁰ -19 ⁰⁵	Parallel session 4-3: (Golden Hall) Chair: Vladimir VITANOV & Sandra KLINGE
ANM-1	Milica JOVANOSKA-MITREVSKA, Kristina MILKOVA, Vladimir VITANOV MACHINE LEARNING PREDICTION OF MOMENT-CURVATURE RESPONSE OF RANDOMIZED STEEL SECTIONS
ANM-2	Simona BOGOEVSKA DATA-DRIVEN PROGNOSTIC MODELING OF ENGINEERING STRUCTURES WITHIN A MACHINE LEARNING FRAMEWORK
ANM-3	Sreten MASTILOVIC, Branislav DJORDJEVIC, Aleksandar SEDMAK A DATA-DRIVEN OUTLOOK ON THE CHARACTERIZATION OF FERRITIC STEELS IN THE DUCTILE-BRITTLE TRANSITION REGION

Luzie SCHMOLLACK, Sandra KLINGE

A MACHINE LEARNING APPROACH FOR A STATISTICAL HOMOGENIZATION

METHOD FOR ELASTIC MATERIALS

ANM-5 Tina WIECZOREK
STRESS-CONSTRAINED TOPOLOGY OPTIMIZATION

MASE Gala Dinner (Diamond Hall)

Music: Southpark the band

21⁰⁰-01⁰⁰

Dress code: Elegant
Included: Dinner and unlimited selected drinks

0900-1000	SESSION 5 (Diamond Hall) Chair: Elena DUMOVA-JOVANOSKA & Veronika SHENDOVA
09 ⁰⁰ -09 ³⁰	Keynote Lecture
IP-3	Christoph BUTENWEG INNOVATIVE SOLUTIONS AND DESIGN FOR MODERN AND SUSTAINABLE MASONRY UNDER SEISMIC LOADS
09 ³⁰ -10 ⁰⁰	Presentation of sponsors Silver Sponsors: CEIM DOJRAN STEEL EPTISA ISOGKP MASON ENGINEERING PEIKKO
10 ⁰⁰ -11 ⁰⁰	Parallel session 5-1: (Diamond Hall) Chair: Elena DUMOVA-JOVANOSKA & Veronika SHENDOVA
CM-9	Marko Marinković, Christoph Butenweg Enhanced Seismic Safety of Masonry Infilled RC Frame Structures: Inodis Connection
TEA-15	Liljana B. MIJALKOVA, Aleksandra BOGDANOVIC, Marko MARINKOVIĆ, Enrico TUBALDI, Bartolomeo PANTÒ ANALYTICAL APPROACH TO SEISMIC BEHAVIOUR ASSESSMENT OF RC FRAME STRUCTURES WITH RUBBER JOINTED MASONRY INFILL
MRS-6	Antonio SHOKLAROVSKI, Antonio FORMISANO, Aleksandra BOGDANOVIC, Zoran RAKICEVIC, Angela POPOSKA, Filip MANOJLOVSKI, Marco DOMANESCHI, Emilia MEGLIO, Vlatko SHESHOV, Julijana BOJADJIEVA, Toni KITANOVSKI, Dejan IVANOVSKI, Raffaele CUCUZZA, Valentina VILLA, Giuseppe Carlo MARANO EXPERIMENTAL INVESTIGATION OF AN EXOSKELETON SYSTEM FOR INTEGRATED STRUCTURAL AND ENERGY RETROFITTING OF REINFORCED CONCRETE STRUCTURES
TEA-11	Maja GOSHEVA, Aleksandra BOGDANOVIC, Zoran RAKICEVIC, Christian MEINHARDT NUMERICAL MODELING OF GERB VISCOUS WALL DAMPERS WITH THE EXPONENTIAL MAXWELL MODEL
10 ⁰⁰ -11 ⁰⁰	Parallel session 5-2: (VIP Hall) Chair: Vlatko SHESHOV & Milica JOVANOSKA-MITREVSKA
CM-7	Milorad JOVANOVSKI, Igor PESHEVSKI, Jovan Br. PAPIC, Sead ABAZI INTEGRATED METHODOLOGY FOR DESIGN OF GEOTECHNICAL STRUCTURES
TEA-13	Josif JOSIFOVSKI, Guxim RRUDHANI, Sead ABAZI, Bojan SUSINOV INVESTIGATING THERMO-MECHANICAL RESPONSES OF ENERGY PILES THROUGH SCALED PHYSICAL MODELLING

FRIDAY	September 26 2025
TEA-20	Nikola PETROV, Julijana BOJADJIEVA, Jordan BOJADJIEV EFFECTS OF KINEMATIC SOIL-STRUCTURE INTERACTION ON THE NONLINEAR SEISMIC RESPONSE OF RC FRAME STRUCTURES
TEA-3	Matija BOŠKOVIĆ, Milan STAMENIĆ, Marija NEFOVSKA-DANILOVIĆ SOIL-STRUCTURE INTERACTION EFFECT ON SEISMIC RESPONSE OF MID-RISE RC BUILDINGS
10 ⁰⁰ -11 ⁰⁰	Parallel session 5-3: (Golden Hall) Chair: Meri CVETKOVSKA & Daniel CEKOV
АТ-9	Mirjana LABAN, Suzana DRAGANIĆ, Meri CVETKOVSKA, Elona POJANI, Perseta GRABOVA BUILDING CAPACITIES AND INTERDISCIPLINARY KNOWLEDGE FOR A SUSTAINABLE AND RESILIENT SOCIETY
AT-4	Suzana DRAGANIĆ, Mirjana LABAN, Anka STARČEV-ĆURČIN, Srdjan POPOV, Marko MARKOVIĆ, Miloš KNEŽEVIĆ, Meri CVETKOVSKA BOOSTING DIGITAL AND GREEN SKILLS FOR A RESILIENT AND SUSTAINABLE BUILT ENVIRONMENT
MMT-7	Vuk MILOŠEVIĆ, Marija JEVRIĆ, Olga ĆALASAN, Nemanja RANĐELOVIĆ INDOOR AIR TEMPERATURE MEASUREMENT IN A MEMBRANE-COVERED BUILDING IN PODGORICA
AT-10	Aleksandar PETANOVSKI, Marija PETROVA MEGASTRUCTURE AS A PARERGON FOR URBAN HOUSING COEXSISTENCE: THE CASE OF THE SKOPJE CITY WALL
AT-14	Milco UZUNOV VIDEO PROJECTION FOR FACADE SURFACE DESIGN
11 ⁰⁰ -11 ³⁰	Coffee break
11 ³⁰ -12 ²⁵	SESSION 6 (Diamond Hall) Chair: Toni ARANGJELOVSKI & Peter MARK

11³⁰-12²⁵ SESSION 6 (Diamond Hall) Chair: Toni ARANGJELOVSKI & Peter MARK 11³⁰-12⁰⁰ Keynote Lecture IP-6 Albert de la FUENTE SUSTAINABILITY OF SMART 3D-PRINTED CONCRETE STRUCTURES 12⁰⁰-12²⁵ Presentation of sponsors Silver Sponsors: STOKUĆA | STO-SEH | STRABAG | TITAN USJE | WB&E

September 20 2023
Parallel session 6-1: (Diamond Hall) Chair: Toni ARANGJELOVSKI & Peter MARK
Bojidar YANEV ROBUSTNESS, RESILIENCE AND SUSTAINABILITY AS ENGINEERING AND ECONOMIC CRITERIA OF BRIDGE MANAGEMENT
Nenad PECIĆ, Saša STOŠIĆ, Snežana MAŠOVIĆ EUROCODE 2: CRACKING IN PRESTRESSED CONCRETE
Sergey CHURILOV, Ayman ELFOULY FROM CRACKS TO COLLAPSE: CASE STUDIES IN APPLIED ELEMENT METHOD FOR EXTREME STRUCTURAL ANALYSIS
Ane ANCHEV, Goce BOGDANOSKI, Goce CVETKOSKI DECARBONIZATION OF CEMENT BY INTRODUCING SCM: FLY ASH AND RECYCLED CONCRETE FINES
Parallel session 6-2: (VIP Hall) Chair: Koce TODOROV & Marina RAKOČEVIĆ
Burbuqe SHATRI, Golubka NECHEVSKA-CVETANOVSKA, Bajram SHEFKIU, Vlora SHATRI POST-EARTHQUAKE DAMAGE EVALUATION OF URBAN BUILDING STOCK: A CASE STUDY OF GJILAN (KOSOVA)
Mustafa TUMER TAN, Baris BINICI, Ozkan KALE, Guney OZCEBE SEISMIC PERFORMANCE OF AN FRP-SHEARWALL RETROFITTED RC BUILDING AFFECTED BY 2023 TURKISH EARTHQUAKES
Duško BOBERA, Predrag BAKIĆ, Isidora GAVRILOVIC-BUKVIC, Goran MILUTINOVIC, Nikola RAJIĆ, Marko LEKOVIĆ SEISMIC DESIGN OF BRIDGES ON KRAGUJEVAC BYPASS
Zoran MIRCEVSKI, Dragana BANOVSKA, Marina KORDOSKA, Mihail GAREVSKI EXTENDED INTERACTION ANALYSIS OF CONFINED AND UNCONFINED REINFORCED CONCRETE SECTIONS WITH SYMMETRICAL AND ASYMMETRICAL REINFORCEMENT
<u>Parallel session 6-3: (Golden Hall)</u> Chair: Todorka SAMARDZIOSKA & Mladen ULIĆEVIĆ
Klaus LANZINGER, Larry KRAUSER SUSTAINABLE BRIDGE CONSTRUCTION USING PLASTIC DUCTS WITH REFERENCE TO EUROCODE 2 AND FIB BULLETIN NO. 113

PROTECTION OF RC STRUCTURES CORROSION INHIBITORS

MRS-4	Mihail PETROV, Ivica STOILOVSKI, Nikola UZUNOV FROM CRACKS TO COLLAPSE: MATERIALS AND METHODS FOR REPAIR AND LEVELING OF BRIDGE AND VIADUCT DECK SLABS
TEA-35	Milica VIDOVIĆ, Ivan MILIĆEVIĆ, Jelena CAREVIĆ DEMOUNTABLE CONNECTORS WITH PARALLEL THREADED COUPLER (PTC) AND REBAR ANCHOR LOADED IN TENSION
13 ³⁰ -14 ³⁰	Buffet lunch (Restaurant)
14 ³⁰ -15 ⁰⁰	SESSION 7 (Diamond Hall) Chair: Roberta APOSTOLSKA & Marko MARINKOVIĆ
	Keynote Lecture
IP-5	Helen CROWLEY ENGINEERING THE FUTURE: HOW SEISMIC RISK MODELS CAN BUILD MORE RESILIENT SOCIETIES
15 ⁰⁰ -16 ⁰⁰	Parallel session 7-1: (Diamond Hall) Chair: Roberta APOSTOLSKA & Marko MARINKOVIĆ
TEA-16	Kristina MILKOVA, Elena DUMOVA- JOVANOSKA BUILDING A RESILIENT NATION: THE IMPORTANCE OF SEISMIC HAZARD ASSESSMENT
AT-5	Kefajet EDIP, Roberta APOSTOLSKA INCREASING SEISMIC RISK AWARENESS AT LEVEL OF URBAN UNIT THROUGH INSIGHT INTO ECONOMIC LOSSES
AT-12	Radmila SALIC MAKRESKA, Igor GJORGJIEV, Julijana BOJADJIEVA, Vlatko SESOV, Roberta APOSTOLSKA, Goran CAPRAGOSKI REGIONAL AND EUROPEAN EFFORTS IN THE DOMAIN OF NEEDS ASSESSMENT FOR EFFECTIVE DISASTER MANAGEMENT – THE "EMERGE" PROJECT
SHM-3	Kemal EDIP, Julijana BOJADJIEVA, Aleksandra BOGDANOVIC, Vlatko ŠEŠOV, Zoran RAKICEVIC, Metin KOSE, Sila AVGIN, Aydin DEMIR, Hakan OZTURK

IZIIS RECONNAISSANCE MISSION TO KAHRAMANMARASH, TURKIYE

CM-4 Vladimir GOCEVSKI MONTREAL OLYMPIC STADIUM REPLACEMENT OF THE FLEXIBLE MEMBRAN ROOF Aleksandar JOVANOVSKI, Andreja GJURESKI, Naum PETROVSI Ana ZDRAVKOVSKA, Hristina DAVITKOVSKA DESIGN AND CONSTRUCTION OF MEMBRANE STRUCTURES	ADIUM REPLACEMENT OF THE FLEXIBLE MEMBRANE	
CM-5 Ana ZDRAVKOVSKA, Hristina DAVITKOVSKA		CM-4
	stina DAVITKOVSKA	CM-5
CM-6 Aleksandar JOVANOVSKI, Andreja GJURESKI, Ana ZDRAVKOVSKA MEMBRANE PAVILLION "PHOENIX"	• •	CIVI-0
CM-10 Teodora MIHAJLOVSKA, Ana TROMBEVA - GAVRILOSKA FORM-FINDING OF ARCHES UNDER HORIZONTAL LOADING BASED ON THRU: LINE ANALYSIS		CM-10

15 ⁰⁰ -16 ⁰⁰	Parallel session 7-3: (Golden Hall) Chair: Denis POPOVSKI & Milivoje ROGAĆ
TEA-18	Primož MOŽE, Anita OGRIN, Sara ZOUBEK IMPACT OF HOLE MISALIGNMENT ON THE PERFORMANCE OF BOLTED S960 BEARING-TYPE LAP CONNECTIONS
TEA-22	Denis POPOVSKI, Mile PARTIKOV, Ditar MEMEDI ANALYSIS OF INTERFACIAL SLIP AND DEFORMATION IN COMPOSITE STEEL- COCNRETE BEAMS WITH PARTIAL SHEAR CONNECTION
TEA-32	Antonio TOMESKI, Denis POPOVSKI, Mile PARTIKOV, Ditar MEMEDI, Nikola NISEV EXPERIMENTAL INVESTIGATION OF A TENSION ANGLE CONNECTED WITH BOLTS ON ONE LEG
TEA-31	Antonio TOMESKI, Denis POPOVSKI, Mile PARTIKOV, Ditar MEMEDI, Nikola NISEV COMPARATIVE ANALYSIS OF A TENSION ANGLE CONNECTED WITH BOLTS ON ONE LEG

16 ⁰⁰ -16 ⁴⁵	Posters & Coffee (Terrace)
AT-1	Lars ABRAHAMCZYK, Aanis UZAIR, Roberta APOSTOLSKA, Ruediger HÖFFER, Julia SALZINGER, UIF WINKELMANN, Davorin PENAVA, Krunoslav MINAZEK, Silva LOZANCIC, Nuno LOPES, Paulo VILA REAL, Uwe KAHLER, Ricardo MONTEIRO, Nicola SCATTARREGGIA, Elena DELOVA FORENSIC STRUCTURAL ENGINEERING DATABASE FOR HEI AND INNOVATIVE PILOT COURSE – RECONSTRUCT PROJECT

AT-2	Nikolina ĆIRIĆ, Panta KRSTIĆ, Sara KRSMANOVIĆ, Miloš ŠEŠLIJA GEOTECHNICAL PROFILE OF FLUVIAL SEDIMENTS IN RATINA (KRALJEVO, SERBIA): LITHOLOGICAL AND GRAIN-SIZE ANALYSIS
AT-11	Hassan Awadat SALEM THE EFFECT OF CALIBRATION ON THE QUALITY OF CONCRETE
CM-3	Ivan BOSKOSKI, Sergej CHURILOV, Sead ABAZI ANALYSIS OF SOIL-STRUCTURE INTERACTION ACCORDING TO EUROCODES 7 AND 8 USING DIFFERENT MODELING METHODS
MRS-5	Artur ROSHI, Golubka NECHEVSKA-CVETANOVSKA, Jordan BOJADJIEV SEISMIC RETROFIT FOR RC BUILDINGS USING INNOVATIVE MATERIALS: ANALYTICAL AND EXPERIMENTAL INVESTIGATIONS
MRS-8	Aleksandar ZHUROVSKI, Aleksandar ZLATESKI, Goran CHAPRAGOSKI, Elena DELOVA, Goran JEKIC, Veronika SHENDOVA, Roberta APOSTOLSKA THE IMPORTANCE OF CONTROLLING THE EXISTING SEISMIC STABILITY IN THE PROCESS OF REHABILITATION OF EXISTING STUDENT DORMITORIES
SHM-4	Juan Manuel GARCIA, Andres VICENTE PREDICTIVE MONITORING OF CRITICAL INFRASTRUCTURES
TEA-1	Besar ABDIU, Julijana BOJADJIEVA, Lisa STAR THE ROLE OF SOIL-STRUCTURE INTERACTION IN ANALYSING A DUAL WALL-FRAME SYSTEM BUILDING
TEA-5	Julija DIMITRIEVSKA, Julijana BOJADJIEVA, Vlatko SHESHOV, Kemal EDIP, Josif JOSIFOVSKI, Toni KITANOVSKI, Dejan IVANOVSKI APPLICATION OF EUROCODES IN THE DESIGN OF A SHALLOW FOUNDATIONS FOR A RESIDENTIAL BUILDING: A CASE STUDY
TEA-6	Marija DOJCHINOVSKA, Koce TODOROV REDISTRIBUTION OF SEISMIC ACTION EFFECTS IN DUAL REINFORCED CONCRETE SYSTEMS
TEA-12	Petar Janev, Toni Arangjelovski Analysis of Shear and Torsion for Reinforced Concrete Elements According to Eurocode 2 and Model Code 2010
TEA-14	Marina LATINOVIĆ-KRNDIJA, Gordana BROĆETA, Anđelko CUMBO, Gordana JAKOVLJEVIĆ, Milisav MARKOVIĆ, Žarko LAZIĆ, Aleksandar SAVIĆ LOAD TESTING OF STEEL STRUCTURE IN DOBOJ
TEA-19	Mladen MUHADINOVIC, Petar SUBOTIC, Duško LUČIĆ COLUMN WEB RESISTANCE IN TRANSVERSE COMPRESSION - EXPERIMENTAL RESEARCH
TEA-21	Svetislav POPOVIĆ, Marina RAKOČEVIĆ, Vasilije BOJOVIĆ REFINED ZIGZAG AND PARTIAL LAYERWISE THEORY - REVIEW AND COMPARISON
TEA-23	Denis POPOVSKI, Mile PARTIKOV, Ditar MEMEDI FEM ANALYSIS ON ROTATIONAL STIFFNESS OF WELDED I-BEAM TO SHS COLUMN CONNECTION
TEA-25	Goran SIMONOVIĆ, Senad MEDIĆ, Mustafa HRASNICA, Muhamed ZLATAR PROBLEM OF OVALIZATION OF A CYLINDRICAL SHELL

TEA-36

TEA-26	Goran SIMONOVIĆ, Senad MEDIĆ, Mustafa HRASNICA, Jelena MEDIĆ STRUCTURAL TESTING OF A CYLINDRICAL SHELL
TEA-27	Nađa SIMOVIĆ, Ivan GLIŠOVIĆ, Marija TODOROVIĆ, Marko POPOVIĆ STATIC AND DYNAMIC DETERMINATION OF STIFFNESS PROPERTIES OF CLT PANELS
TEA-28	Andrej STOJKOSKI, Josif JOSIFOVSKI A NUMERICAL APPROACH TO ANALYSIS OF THERMO – MECHANICAL EFFECTS IN GEOTHERMAL PILES
TEA-33	Goce VELESKI ANALYSIS OF A STEEL THREE – SPAN HALL WITH A TRUSS STRUCTURE AS AN EFFICIENT STRUCTURAL SOLUTION
TEA-34	Valon VESELI, Sergey CHURILOV COMPARISON OF EXPERIMENTAL RESULTS AND NUMERICAL SIMULATIONS OF AAC-INFILLED RC FRAMES
16 ⁴⁵ -17 ¹⁵	SESSION 8 (Diamond Hall) Chair: Goran MARKOVSKI & Mirjana MALEŠEV
	Keynote Lecture
IP-1	Ioannis BRILAKIS
	TWIN SYSTEMS
17 ¹⁵ -18 ⁰⁰	Parallel session 8-1: (Diamond Hall) Chair: Goran MARKOVSKI & Mirjana MALEŠEV
SHM-7	Aeneas PAUL, David SANIO, Peter MARK EXPERIMENTAL AND NUMERICAL INVESTIGATION ON DETECTING INTERNAL TENDON BREAKS BY EXTERNAL FIBER-OPTIC MEASUREMENTS
SHM-6	Mihail GAREVSKI, Zoran MIRCEVSKI, Marina KORDOSKA, Dragana BANOVSKA, Ljupco LAZAROV POST-FIRE EVALUATION OF PRESTRESSED CONCRETE BRIDGES: DETAILED FINDINGS FROM THE BELASICA BRIDGE INCIDENT
SHM-5	Mihail GAREVSKI, Zoran MIRCEVSKI, Marina KORDOSKA, Dragana BANOVSKA, Ljupco LAZAROV POST-FIRE STRUCTURAL INTEGRITY ASSESSMENT OF THE UNIVERSAL HALL DOME IN SKOPJE
17 ¹⁵ -18 ¹⁵	Parallel session 8-2: (VIP Hall) Chair: Kemal EDIP & Marija DOCEVSKA JOVANOVA
TEA 26	Trajche ZAFIROV, Viktor HRISTOVSKI, Ana NANEVSKA, Daniel TOMIKJ

DERIVATION OF FRAGILITY CURVES AND BEHAVIOR FACTOR OF VERTICAL

EXTENSIONS ON RC STRUCTURES

TEA-29	Leart TARAVARI, Koce TODOROV INFLUENCE OF THE STRENGTH CHARACTERISTICS OF CONCRETE ON THE SEISMIC CAPACITY OF RC FRAME STRUCTURES
TEA-30	Leart TARAVARI, Koce TODOROV INCREMENTAL DYNAMIC ANALYSES OF A RC FRAME WITH DIFFERENT DEFINITIONS OF CONCRETE STRENGTH PROPERTIES
TEA-7	Jasna DONEVSKA, Darko NAKOV INFLUENCE OF TORSIONAL FLEXIBILITY ON THE DESIGN OF RC BUILDING ACCORDING TO THE SECOND GENERATION OF EUROCODE 8
17 ¹⁵ -18 ¹⁵	<u>Parallel session 8-3: (Golden Hall)</u> Chair: Radmila SALIC MAKRESKA & Primož MOŽE

CM-11 Chair: Radmila SALIC MAKRESKA & Primož MOŽE

CM-11 Lena MIHOVA, Doncho PARTOV
FE MODELING OF THE DEVIL'S STONE BRIDGE IN BULGARIA

Mihailo OSTOJIC, Milos KNEZEVIC
DEVELOPMENT OF A GPS-BASED MONITORING FRAMEWORK FOR STEEL HALL
ASSEMBLY – PART ONE: PROOF OF CONCEPT

Aleksandra CHUBRINOVSKA, Denis POPOVSKI, Mile PARTIKOV
TRANSFORMING LEARNED AI SKILLS INTO CIVIL ENGINEERING PRACTICE: A
THEORETICAL PRE-FORM FOR FUTURE APPLICATIONS

Aleksandra CHUBRINOVSKA, Denis POPOVSKI, Mile PARTIKOV
AI-BASED FATIGUE RISK CLASSIFICATION IN STEEL—CONCRETE COMPOSITE
BRIDGES VIA CNN SURROGATES

18 ¹⁵ -19 ¹⁵	Roundtable (Diamond Hall): How is digitalization reshaping the construction sector? Moderator: Vladimir VITANOV & Sergey CHURILOV
19 ¹⁵ -19 ³⁰	Closing Ceremony

2100-0100	Closing party
	Music: The Hounds & DJ
	Dress code: Casual
	(Included: Buffet dinner and Welcome drink)

SATURDAY | September 27 | 2025

10 ⁰⁰ -16 ⁰⁰	EXCURSION (optional)
10 ⁰⁰ -11 ⁰⁰	Visit of Bay of Bones - Museum on Water
11 ⁰⁰ -13 ⁰⁰	Visit of St. Naum Monastery complex and the Springs of the river Black Drim
13 ⁰⁰ -15 ⁰⁰	Lunch in Restaurant Ostrovo





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