

GENERAL SPONSOR



GOLDEN SPONSOR





SILVER SPONSOR



BRONZE SPONSOR



DAY 1 – Wednesday, 27 th April 2022	
10 ⁰⁰ -12 ⁰⁰	Registration of participants
12 ⁰⁰ -13 ⁰⁰	Opening ceremony
13 ⁰⁰ -14 ¹⁵	Plenary Session MASE Awards - design and construction
MA-1	Goran MARKOVSKI, Marija DOCEVSKA, Atanas STRASHESKI, Irina PETRESKA INTEGRAL BRIDGE “MIHAJLO APOSTOLSKI” OVER THE RIVER VARDAR IN SKOPJE
MA-2	Goran MARKOVSKI, Marija DOCEVSKA, Atanas STRASHESKI, Viktor MARKELJ EXTRAPOSED BRIDGE OVER THE RIVER VARDAR IN SKOPJE
MA-3	Tome TROMBEV, Ljubisha CAUSEVSKI, Zlatko SAMARDZIOSKI, Robert KONESKI, Aleksandar TROMBEV, Toni JOVANOVSKI PRODUCTION, TRANSPORT AND INSTALLATION OF THE ROOF STEEL STRUCTURE AT THE CITY STADIUM IN CETINJE, MONTENEGRO
14 ¹⁵ -15 ⁰⁰	Welcome reception
15 ⁰⁰ -16 ⁰⁰	Lunch time
16 ⁰⁰ -17 ¹⁵	Plenary Session MASE Awards - scientific research project
MA-4	Simona BOGOEVSKA A HOLISTIC FRAMEWORK FOR DATA-DRIVEN DIAGNOSTICS OF OPERATIONAL WIND TURBINES
MA-5	Jordan BOJADJIEV INNOVATIVE METHOD FOR IMPROVEMENT OF THE SEISMIC RESISTANCE OF THE MASONRY INFILL WALLS IN RC FRAME STRUCTURES
MA-6	Mile PARTIKOV ANALYTICAL AND THEORETICAL RESEARCH OF HOLLOW SECTIONS JOINT RIGIDITY EFFECTS ON BEHAVIOUR OF VIERENDEEL TRUSSES
17 ¹⁵ -17 ⁴⁵	Invited speakers Chair: Mirjana MALESEV and Toni ARANGJELOVSKI
IP-7	Davor SKEJIC (EC1) EUROCODE 1 – CLIMATIC LOADS ON BUILDINGS
17 ⁴⁵ -18 ⁰⁰	Coffee break

DAY 1 – Wednesday, 27 th April 2022	
18 ⁰⁰ -19 ³⁵	Session 1: Chair: Mirjana MALESEV and Toni ARANGJELOVSKI
CS-5 Keynote	Jens LÖSCHMANN, David SANIO, Peter MARK TEMPERATURE INDUCTION INTO RC STRUCTURES
MT-6	Igor GJORGJIEV, Angela POPOSKA WIND ACTION ON STRUCTURES ACCORDING TO EUROCODE
SE-12	Learnt TARAVARI, Daniel VELINOV, Koce TODOROV APPLICATION OF PROBABILITY MODELS IN ESTIMATION OF SEISMIC ACTIVITY OF THE BALK AN PENINSULA AND ITS NEARBY REGIONS
CS-1	Dubravka BJEGOVIĆ, Ivana BANJAD PEČUR, Marijana SERDAR PAST AND FUTURE DEVELOPMENT OF CEMENT INDUSTRY IN CROATIA
CS-10	Ivica STOILOVSKI, Toni ARANGJELOVSKI, Blazhe DUKOVSKI PROPERTIES OF SELF-COMPACTING CONCRETE CONTAINING FLY ASH
CS-13	Milica VIDOVIĆ, Jelena DRAGAŠ, Veljko KOKOVIĆ, Dimitrije ZAKIĆ, Miroslav TEPAVCEVIĆ PHYSICAL AND MECHANICAL PROPERTIES OF ULTRA-HIGH-PERFORMANCE CONCRETE WITH LIMESTONE
19 ³⁵ -19 ⁵⁰	Presentation of sponsors: ADING
20 ⁰⁰ -22 ⁰⁰	Dinner

FINAL PROGRAMME

„EUROCODES - GATE TO EUROPE“



**ДГКМ**
ДРУШТВО НА ГРАДЕЖНИ КОНСТРУКТОРИ НА МАКЕДОНИЈА

MASE
MACEDONIAN ASSOCIATION OF STRUCTURAL ENGINEERS

19
МЕЃУНАРОДЕН СИМПОЗИУМ
INTERNATIONAL SYMPOSIUM

ОХРИД, С. МАКЕДОНИЈА
ОHRID, N. MACEDONIA
27 - 30 април 2022
April, 27th- 30th, 2022

DAY 2 – Thursday, 28 th April 2022	
09 ³⁰ -10 ³⁰	Invited speakers Chair: Marina RAKOČEVIĆ and Zoran RAKIČEVIĆ
IP-6	Nenad PECIC (EC2) DESIGN OF CONCRETE STRUCTURES ACCORDING TO EUROCODE 2 AND BAB 87: COMPARISON OF BASIC CALCULATIONS
IP-2	Toni ARANGJELOVSKI (EC2) DESIGN OF PRESTRESSED CONCRETE STRUCTURES ACCORDING TO EUROCODE 2
10 ³⁰ -12 ⁰⁵	Session 2: Chair: Marina RAKOČEVIĆ and Zoran RAKIČEVIĆ
MT-17 Keynote	Darko NAKOV DESIGN PRINCIPLES OF EUROCODE 2
MT-2	Zoran BRUJIĆ, Radomir FOLIĆ, Miloš ČOKIĆ PUNCHING SHEAR DESIGN ACCORDING TO SECOND GENERATION EUROCODE 2 (prEN 1992-1-1:2021)
CS-7	Goran MARKOVSKI, Toni ARANGJELOVSKI, Darko NAKOV, Marija DOCEVSKA, Dejan JANEV, Evgenija STOJKOSKA CRACKS IN REINFORCED CONCRETE STRUCTURES DUE TO RESTRAINED IMPOSED DEFORMATIONS – CASE STUDIES
MT-22	Dragan STAMEV, Siljan MIHAJLOVSKI, Liljana GRKOVA, Bojan GOLABOSKI COMPARATIVE ANALYSIS OF MAIN RC PRESTRESSED BOX STRUCTURE ACCORDING TO DIN AND EUROCODES
CS-3	Dejan JANEV, Toni ARANGJELOVSKI, Darko NAKOV, Goran MARKOVSKI OVERVIEW OF STANDARDS FOR STATIC AND DYNAMIC PROOF LOAD TESTING OF RC BRIDGES
CS-6	Goran MARKOVSKI, Marija DOCEVSKA, Filip TRAJKOVSKI ADAPTATION OF THE PRESTRESSING METHODOLOGY TO THE BRIDGE CONSTRUCTION METHOD
12 ⁰⁵ -12 ²⁰	Presentation of sponsors: MASON (BIM Techonology)
12 ²⁰ -12 ³⁰	Coffee break
12 ³⁰ -13 ⁰⁰	Invited speakers Chair: Vlastimir RADONJANIN and Veronika ŠENDOVA
AMS-19	Predrag POPOVIC (AMS) PRACTICAL APPLICATIONS OF NON-DESTRUCTIVE TESTING IN ASSESSMENT AND REPAIRS OF STRUCTURES

DAY 2 – Thursday, 28 th April 2022	
13 ⁰⁰ -14 ²⁰	Session 3: Chair: Vlastimir RADONJANIN and Veronika ŠENDOVA
AMS-20 Keynote	Predrag POPOVIC, Terrence PARET, Howard HILL RETROFITS OF EARTHQUAKE DAMAGED STRUCTURES IN THE USA
AMS-13	Miloš KNEŽEVIĆ, Ivana TEŠOVIĆ, Radenko PEJOVIĆ, Duško LUČIĆ, Kemal ABDIĆ, Miloš VUČINIĆ, Teodora BULATOVIĆ, Kostantin DRAGOVIĆ, Jelena PEROVIĆ, Sara KONATAR EXPERIENCES FROM REHABILITATION WORKS ON CONCRETE BRIDGES ON THE RAILWAY LINE “VRBNICA-BAR ”
AMS-18	Canko PANEV, Tatjana MANAILOVA STOJANOVSKA, Elena STANKOVA ADAM, Irina PETRESKA, Boban HRISTOV, Sashe ALEKSOVSKI RECONSTRUCTION WORKS OF THE BRIDGE ON R1204 OVER RIVER PCHINJA
AMS-24	Bratislav STIPANIĆ BASICS OF MAINTENANCE FOR STRUCTURES ON ROADS
AMS-9	Hristijan GRUJOSKI, Sergej CHURILOV CONDITION ASSESSMENT, ANALYSIS AND DESIGN OF AN EXISTING REINFORCED CONCRETE AQUADUCT IN COMPLIANCE WITH EUROCODES AND REHABILITATION MEASURES
14 ²⁰ -14 ³⁵	Presentation of sponsors: ACO
14 ³⁵ -16 ⁰⁰	Lunch time
16 ⁰⁰ -17 ⁰⁰	Invited speakers Chair: Duško LUČIĆ and Denis POPOVSKI
IP-8	Milan SPREMIĆ (EC3) ADVANCE DESIGN METHODS OF STEEL STRUCTURES BASED ON EUROCODE 3
IP-5	Hartmut PASTERNAK (EC3) THE NEW EUROCODE 3 – DESIGN OF STEEL STRUCTURES – PART 1-1: GENERAL RULES AND RULES FOR BULDINGS
17 ⁰⁰ -18 ²⁰	Session 4: Chair: Duško LUČIĆ and Denis POPOVSKI
MT-16 Keynote	Zlatko MARKOVIĆ, Jelena DOBRIĆ, Milan SPREMIĆ NEW GENERATION OF EUROCODE 3 – THE MOST IMPORTANT CHANGES
SS-11	Elena POPOVSKA, Mile PARTIKOV, Denis POPOVSKI STIFFNESS COMPARISON OF UNSTIFFENED AND STIFFENED T- JOINTS OF HOLLOW SECTIONS
SS-1	Aleksandra CHUBRINOVSKA, Denis POPOVSKI, Mile PARTIKOV ANALYSIS OF SHEAR FORCE IN COMPOSITE BOX GIRDER BRIDGES INCLUDING THE DISTORTION

DAY 2 – Thursday, 28 th April 2022	
17 ⁰⁰ -18 ²⁰	Session 4: Chair: Duško LUČIĆ and Denis POPOVSKI
SS-6	Ditar MEMEDI, Denis POPOVSKI, Mile PARTIKOV REDUCTION OF BENDING MOMENT AND MIDSPAN DEFLECTION OF THE COMPOSITE FRAME WITH SEMI-RIGID CONNECTIONS
ST-11	Tomislav ŠČAPEC, Ivan GABRIJEL, Marija JELČIĆ RUKAVINA, Ivana BANJAD PEČUR NUMERICAL MODELING OF INNOVATIVE CAVITY INSULATED LSF PANELS WITH DIFFERENT WALLBOARDS
18 ²⁰ -18 ³⁵	Presentation of sponsors: REHAU
18 ³⁵ -18 ⁴⁵	Coffee break
18 ⁴⁵ -19 ³⁰	Poster Session 1
AMS-2	Zlatko BOGDANOVSKI, Zlatko SRBINOSKI, Filip KASAPOVSKI, Tome GEGOVSKI, Filip PETROVSKI GEODETIC MEASUREMENTS FOR DETERMINING NON-VERTICALITY OF PILLARS FROM "SKOPJE AQUEDUCT"
AMS-3	Julijana BOJADJIEVA, Vlatko SHESHOV, Kemal EDIP, Aleksandra BOGDANOVIC, Irena GJORGJESKA, GJORGJESKA, Toni KITANOVSKI, Dejan IVANOVSKI IN SITU GEO-LABORATORY FOR EARTHQUAKE GEOTECHNICAL HAZARDS RESEARCH
AMS-6	Elena DELOVA, Aleksanda ZLATESKI, Veronika SHENDOVA, Zhivko BOZHINOVSKI, Liljana MIJALKOVA ANALYSIS AND TECHNICAL SOLUTION FOR STRENGTHENING FOR THE EXISTING BUILDING “SOKOLANA” IN KUMANOVO
ST-6	Bojan ILIOSKI, Violeta GJEŠOVSKA, Fidani DRENUŠHE APPLICATION OF HEC-RAS AND ArcGIS FOR FLOOD MAPPING SURFACES IN URBAN AREAS - CASE OF THE CITY OF GOSTIVAR
ST-4	Violeta GJEŠOVSKA, Vasko STOJOV CLIMATE-METEOROLOGICAL AND ANTHROPOGENIC INFLUENCE ON THE FALL OF THE WATER LEVEL IN LAKE PRESPA
ST-5	Violeta GJEŠOVSKA, Bojan ILIOSKI, Aleksandra STEVKOV VARIATION AND TREND OF ANNUAL MAXIMUM DAILY RAIN IN MACEDONIA
MT-7	Ivan GLISOVIC, Marija TODOROVIĆ, Nađa SIMOVIĆ VIBRATIONAL SERVICEABILITY DESIGN METHOD FOR TIMBER FLOORS ACCORDING TO EUROCODE 5
AMS-8	Jasna GRUJOSKA-KUNESKA, Goran JEKIC, Veronika SHENDOVA COMPARATIVE ANALYSIS OF DYNAMIC CHARACTERISTICS OF THE St. NIKITA CHURCH

DAY 2 – Thursday, 28 th April 2022	
18 ⁴⁵ -19 ³⁰	Poster Session 1
AMS-12	Lulzim IDRIZI, Bujar JASHARI, Rrahim SEJDIU WOOD STRUCTURES REPAIR
ST-7	Bujar JASHARI, Lulzim IDRIZI, Adifete AVDYLI DURABILITY OF ACCESSORIES IN JOINTS OF FURNITURE CONSTRUCTIONS
MT-13	Šemso KALAČ, Naja ZEJNELAGIĆ, Duško LUČIĆ THE ALGORITHM OF ANALYSIS AND DIMENSIONING OF STEEL WATER TANK ACCORDING TO EUROCODES
GE-4	Toni KITANOVSKI, Vlatko SHESHOV, Julijana BOJADZIEVA, Kemal EDIP, Dejan IVANOVSKI DEFINITION OF SOIL PARAMETERS USING DRAINED MONOTONIC TESTS WITH HIGH RANGE OF INITIAL DENSITIES
MT-14	Tatjana KOČETOV MIŠULIĆ, Aleksandra RADUJKOVIĆ EVALUATION OF BENDING MODULUS OF ELASTICITY IN TIMBER ACCORDING TO EN 384 AND EN 14358
GE-5	Tijana MAJKIĆ, Igor DŽOLEV, Andrija RAŠETA, Vladimir ŽIVALJEVIĆ MATERIAL POINT METHOD: A NUMERICAL SOLUTION FOR THE SOIL-STRUCTURE INTERACTION PROBLEMS
AMS-14	Mirjana MALEŠEV, Vlastimir RADONJANIN, Slobodan ŠUPIĆ, Ivan LUKIĆ, Olivera BUKVIĆ THE REPAIR OF THE LOAD-BEARING STRUCTURE OF OPEN UNIVERSITY BUILDING IN NOVI SAD
AMS-15	Filip MANOJLOVSKI, Angela POPOSKA, Antonio SHOKLAROVSKI, Aleksandra BOGDANOVIC, Nikola NAUMOVSKI DYNAMIC CHARACTERISTICS OF REINFORCED CONCRETE STRUCTURE OBTAINED FROM AMBIENT VIBRATIONS MEASUREMENTS
CS-8	Stevcho MITOVSKI, Ljupcho PETKOVSKI, Frosina PANOVSKA NUMERICAL ANALYSIS OF CONCRETE ARCH DAM AT STATIC LOADING – A CASE STUDY
SS-3	Anita GJUKAJ, Petar CVETANOVSKI, Ana TROMBEVA-GAVRILOSKA DESIGN OF BEAM-TO-COLUMN CONNECTIONS FOR MOMENT RESISTANT FRAMES, END-PLATE BOLTED CONNECTIONS
SS-8	Nikola NISEV, Denis POPOVSKI, Mile PARTIKOV DESIGN OF BEAM-TO-COLUMN CONNECTIONS FOR MOMENT RESISTANT FRAMES, END-PLATE BOLTED CONNECTIONS
AMS-26	Marija VITANOVA, Borjan PETRESKI, Viktor HRISTOVSKI PARAMETRIC FRAGILITY ASSESSMENT OF BRIDGE STRUCTURES
SE-14	Aleksandar ZLATESKI, Veronika SHENDOVA, Elena DELOVA, Goran JEKIC, Aleksandar ZHUROVSKI HARMONIZATION OF SEISMIC VULNERABILITY ASSESSMENT OF URBAN HISTORIC CENTERS

DAY 2 – Thursday, 28 th April 2022	
18 ⁴⁵ -19 ³⁰	Poster Session 1
SS-10	Elena POPOVSKA, Philip WILLEMS, Naum STEFANOVSKI SEMI RIGID SUPPORTS LEAD TO BETTER SOLUTIONS
FE-4	Nikola RAJIC, Andrija RASETA INITIAL BOW IMPERFECTION SENSITIVITY IN THE BUCKLING RESISTANCE OF AUSTENITIC I-SECTION COLUMNS IN FIRE
FE-5	Nikola RAJIC, Andrija RASETA, Igor DZOLEV, Vladimir ZIVALJEVIC BUCKLING RESISTANCE ASSESSMENT OF STAINLESS STEEL WELDED I-SECTION COLUMNS IN FIRE USING ABAQUS
FE-6	Nikola RAJIC, Andrija RASETA INFLUENCE OF RESIDUAL STRESSES ON THE MINOR AXIS BUCKLING OF AUSTENITIC STAINLESSSTEEL COLUMNS IN FIRE
AMS-22	Merima SHAHINAGICH-ISOVICH, Marko CHECHEZ, Emir CHOSICH, Toni ARANGJELOVSKI, Darko NAKOV, Aleksandra CHUBRINOVSKA ASSESSMENT OF CONCRETE STRUCTURE "RODJENI" IN MOSTAR
ST-13	Dragana STANOJEVIĆ, Milan TRIVUNČ, Mirjana TERZIĆ, Milena SENJAK PEJIĆ IMPROVING CONSTRUCTION WASTE MANAGEMENT WITH THE SUPPORT OF THE BENCHMARKING METHOD
MT-23	Naum STEFANOVSKI, Philip WILLEMS, Elena POPOVSKA WIND CALCULATION: TOO MUCH WORK FOR SMALL STRUCTURES???
AMS-25	Slobodan ŠUPIĆ, Mirjana MALEŠEV, Vlastimir RADONJANIN, Vesna BULATOVIĆ, Vladan PANTIĆ THE ASSESSMENT OF THE UNIVERSITY BUILDING IN NOVI SAD
S-13	Vladimir VUKOBRATOVIĆ THE INFLUENCE OF JERK ON THE SEISMIC RESPONSES OF RIGID LINEAR ELASTIC AND NONLINEAR SDOF SYSTEMS
MT-1	Sead ABAZI, Natasha NEDELKOVSKA, Bojan SUSINOV, Spasen GJORGJEVSKI VERIFICATION OF RETAINING WALLS BEARING CAPACITY ACORDING TO MKS AND EROCODE 7 BY THE THEORY OF RELIABILITY
GE-1	Sead ABAZI, Bojan SUSINOV, Bulent SULOODJA, Pavle PETROVSKI SLOPE STABILIZATION MEASURES ON A LOCAL ROAD IN V. ZIROVNICA, MUNICIPALITY OF MAVROVO AND ROSTUSE
GE-2	Ana BOJADZIEVA, Sead ABAZI, Mila SMILJANOVSKA ANALYSIS OF SHELF EXCAVATION RETAINING SYSTEM IN URBAN AREAS
AMS-4	Goran CHAPRAGOSKI, Golubka NECHEVSKA CVETANOVSKA FINITE ELEMENT ANALYSIS OF CFRP STRENGTHENED RC COLUMN

DAY 2 – Thursday, 28 th April 2022	
18 ⁴⁵ -19 ³⁰	Poster Session 1
MT-20	Nikola NISEV, Denis POPOVSKI, Mile PARTIKOV CONTEMPORARY PRINCIPLES OF INDUSTRIAL BUILDING PROJECT IN ACCORDANCE WITH EUROCODE
ST-12	Kaltrina SPAHIU APPLICATION OF INNOVATIVE MATERIALS ON THE FACADE OF SOCIAL OBJECTS
20 ⁰⁰ -24 ⁰⁰	Dinner and music performance (Breakdown Band & Pece Superhiks)

DAY 3 – Friday, 29 th April 2022	
09 ³⁰ -10 ³⁰	Round Table: Implementation of Eurocodes
10 ³⁰ -11 ³⁰	Round Table: Regulations and standards for design and construction
11 ³⁰ -11 ⁴⁰	Coffee break
11 ⁴⁰ -12 ⁴⁰	Invited speakers Chair: Đorđe LAĐINOVIC and Koce TODOROV
IP-4	Andreas KAPPOS (EC8) A CRITICAL OVERVIEW OF THE NEW EUROCODE 8 – PART 3
IP-1	Roberta APOSTOLSKA (EC8) NATIONAL IMPLEMENTATION OF MKS EN1998-1:2004 – STATUS AND CHALLENGES
12 ⁴⁰ -14 ³⁰	Session 5: Chair: Đorđe LAĐINOVIC and Koce TODOROV
SE-4 Keynote	Mihail GAREVSKI, Valentina LUCKOVA, Tanja ILIEVSKA, Marina KORDOSKA “DO YOU REMEMBER IT?” – A NEW APPROACH TO CITIZEN SEISMOLOGY
SE-3	Mihail GAREVSKI, Valentina LUCKOVA, Tanja ILIEVSKA, Marina KORDOSKA POSSIBILITY TO ANALYZE THE WIND TURBINES BY APPLYING THE ROLLING REGULATIONS AND EUROPEAN STANDARDS
SE-10	Zoran RAKICEVIC, Aleksandra BOGDANOVIC, Dimitar JURUKOVSKI, Predrag GAVRILOVIC DESIGN PROCEDURE FOR COMPLEX STRUCTURES UNDER DYNAMIC LOADS
SE-11	Zoran RAKICEVIC, Aleksandra BOGDANOVIC, Dimitar JURUKOVSKI, Predrag GAVRILOVIC STRUCTURAL DESIGN FOR SEISMIC AND WIND ACTION OF A TELECOMMUNICATION TOWER-CASE STUDY
SE-5	Goran JEKIC, Veronika SHENDOVA, Roberta APOSTOLSKA, Aleksandar ZLATESKI, Aleksandar ZHUROVSKI, Elena DELOVA, Julijana BOJADJIEVA IZIIS' PROTOCOL FOR EVALUATION OF SEISMIC RESISTANCE OF EXISTING BUILDINGS - SEISMIC CERTIFICATE
SE-2	Kefajet EDIP, Roberta APOSTOLSKA SEISMIC RISK ASSESSMENT AT URBAN SCALE - PILOT STUDY, KARPOSH, SKOPJE
SE-9	Neziri ZABEDIN, Radmila SALIC REVIEW AND COMPARATIVE ANALYSIS OF AVAILABLE FAULT DATABASES FOR THE TERRITORY OF N. MACEDONIA
14 ³⁰ -14 ⁴⁵	Presentation of sponsors: GIM

DAY 3 – Friday, 29 th April 2022	
14 ⁴⁵ -16 ⁰⁰	Lunch time
16 ⁰⁰ -17 ⁰⁵	Session 6: Chair: Ivana BANJAD PEČUR and Igor ĐOLEV
MT-3 Keynote	Meri CVETKOVSKA STRUCTURAL FIRE DESIGN ACCORDING TO EUROCODE 1
FE-1	Mirjana LABAN, Snežana ILIĆ, Igor DŽOLEV, Suzana DRAGANIĆ EUROPEAN AND NATIONAL ASSESSMENT PROCEDURE FOR THE FIRE PERFORMANCE OF FACADES
FE-2	Milica MIRKOVIĆ MARJANOVIĆ, Aleksandar KIJANOVIĆ, Snežana ILIĆ, Goran TODOROVIĆ, Radovan GOSPAVIĆ EXPERIMENTAL AND NUMERICAL ANALYSIS OF A WALLS MADE FROM AERATED CONCRETE BLOCKS EXPOSED TO FIRE
FE-3	Milica MIRKOVIĆ MARJANOVIĆ, Aleksandar KIJANOVIĆ, Snežana ILIĆ, Goran TODOROVIĆ, Radovan GOSPAVIĆ THE COMPARATIVE ANALYSIS OF THERMAL BEHAVIOUR OF A DIFFERENT THICKNESSES WALLS MADE FROM AUTOCLAVED AERATED CONCRETE BLOCKS EXPOSED TO FIRE
17 ⁰⁵ -17 ²⁰	Presentation of sponsors: KNAUF
17 ²⁰ -17 ³⁰	Coffee break
17 ³⁰ -18 ⁰⁰	Invited speakers Chair: Golubka NECEVSKA CVETANOVSKA and Grozde ALEKSOVSKI
IP-3	Josif JOSIFOVSKI (EC7) TOWARDS THE ERA OF THE EUROCODES – FUTURE DEVELOPMENT AND SECOND GENERATION OF EUROCODE 7
18 ⁰⁰ -19 ³⁵	Session 7: Chair: Golubka NECEVSKA CVETANOVSKA and Grozde ALEKSOVSKI
MT-5 Keynote	Kemal EDIP, Vlatko SHESHOV, Julijana BOJADJIEVA, Dejan IVANOVSKI, Toni KITANOVSKI BASIC DESIGN PRINCIPLES TO EUROCODE 8-5
AMS-21	Vlatko SESOV, Roberta APOSTOLSKA, Radmila SALIC, Marta STOJMANOVSKA, Marija VITANOVA, Julijana BOJADJIEVA, Aleksandra BOGDANOVIC, Kemal EDIP CRISIS PROJECT: COMPREHENSIVE RISK ASSESSMENT OF BASIC SERVICES AND TRANSPORT INFRASTRUCTURE

DAY 3 – Friday, 29 th April 2022	
18 ⁰⁰ -19 ³⁵	Session 7: Chair: Golubka NECEVSKA CVETANOVSKA and Grozde ALEKSOVSKI
SE-7	Marko MARINKOVIĆ, Svetlana BRZEV, Nikola BLAGOJEVIĆ, Ivan MILIČEVIĆ, Željko ŽUGIĆ, Petar BURSAĆ PERFORMANCE OF MASONRY BUILDINGS DURING THE NOVEMBER 26, 2019 ALBANIA EARTHQUAKE (MW 6.4) AND DECEMBER 29, 2020 PETRINJA EARTHQUAKE (MW 6.4)
GE-6	Adis SKEJIĆ, Amra TURALIĆ ANALYSIS AND NUMERICAL MODELING OF FULL-SCALE STUDY RELATED TO SETTLEMENTS OF MULTILAYER REINFORCED EARTH PLATFORM OVER A SOFT SUBGRADE
MT-8	Dejan IVANOVSKI, Kemal EDIP, Julijana BOJADJIEVA, Vlatko SHESHOV, Toni KITANOVSKI COMPARATIVE ANALYSIS OF STABILITY OF RETAINING WALLS ACCORDING TO THE CURRENT PRACTICE AND EUROCODES
ST-3	Vasko GACEVSKI, Zlatko ZAFIROVSKI, Marijana LAZAREVSKA, Ivona NEDEVSKA, Riste RISTOV, Slobodan OGNJENOVIC APPROACH TO RISK ANALYSIS IN RAILWAY TUNNELS
18 ⁵⁰ -19 ³⁵	Poster Session 2
SS-2	Damjan DENKOVSKI, Denis POPOVSKI, Ivan MICEVSKI COMPARISON OF MECHANICAL AND CHEMICAL ANCHORS ACCORDING TO RESULTS OBTAINED FROM EXPERIMENTAL RESEARCH
ST-2	Liljana DIMEVSKA, Meri CVETKOVSKA, Ana TROMBEVA GAVRILOSKA, Bojan KARANAKOV ENERGY PERFORMANCE ANALYSIS OF BRUTALIST ARCHITECTURE USING BIM TECHNOLOGIES
MT-4	Sofija DUSHANOVSKA, Darko NAKOV, Goran MARKOVSKI, Toni ARANGJELOVSKI, Denis POPOVSKI ANALYSIS OF SECOND-ORDER EFFECTS ACCORDING TO EUROCODE 2
CS-2	Dejan GEGOVSKI, Toni ARANGJELOVSKI, Darko NAKOV, Goran MARKOVSKI RELIABILITY ASSESSMENT OF THE SUPERSTRUCTURE OF PRECAST PRESTRESSED BRIDGES
AMS-7	Viktor GEORGIEV, Simona BOGOEVSKA DATA-DRIVEN MONITORING AND PROGNOSIS OF THE BEHAVIOUR OF ENGINEERING STRUCTURES
AMS-10	Shpresim IBRAIMI, Boris TANESKI, Cvetanka HADZI PECOVA, Grozde ALEKSOVSKI, Stanislav MILOVANOVIC CONSOLIDATION AND STRENGTHENING OF THE CHURCH OF ST. BOGORODICA IN DRENOVO AND THE OLD MOSQUE IN RAVEN

DAY 3 – Friday, 29 th April 2022	
18 ⁵⁰ -19 ³⁵	Poster Session 2
MT-9	Josif JOSIFOVSKI, Merita ISMAILI, Aleksandra N. ATANASOVSKA CALCULATION OF PILE BEARING CAPACITY ACCORDING TO EUROCODE 7 USING THE RESULTS FROM CPT AND SPT SITE INVESTIGATIONS
MT-10	Josif JOSIFOVSKI, Merita ISMAILI, Aleksandra N. ATANASOVSKA CALCULATION OF PILE BEARING CAPACITY ACCORDING TO EUROCODE 7 USING THE RESULTS FROM LABORATORY TESTING
MT-12	Milorad JOVANOVSKI, Igor PEŠEVSKI, Jovan Br. PAPIĆ EUROCODE 7 AND ROCK MECHANICS: A PROBLEM OR A CHALLENGE?
MT-11	Milorad JOVANOVSKI, Jovan Br. PAPIĆ, Igor PEŠEVSKI EDUCATION AND QUALIFICATION REQUIREMENTS – VALUABLE ANNEX TO THE SECOND GENERATION OF EUROCODE 7
SE-6	Admir KAJRIMANOSKI, Koce TODOROV NONLINEAR SEISMIC ASSESMENT OF SOFT STOREY STRUCTURES
CS-4	Stefan KOSTOVSKI, Stefan PRANGOVSKI, Tanja SERAFIMOVA EXPERIMENTAL STUDY OF MECHANICAL BEHAVIOR OF CONCRETE WITH METAL FIBERS
MT-15	Despina KRSTEVSKA, Elena DUMOVA-JOVANOSKA, Grozde ALEKSOVSKI TREATMENT OF THE HORIZONTAL IRREGULARITY FOR UNREINFORCED MASONRY BUILDINGS IN NATIONAL PROVISIONS OF 1981 AND EUROCODE 8
ST-9	Marijana LAZAREVSKA, Vasko GACEVSKI FUZZY NETWORK PLANNING
ST-8	Marijana LAZAREVSKA, Vasko GACEVSKI FUZZY ENGINEERING
SS-7	Ivan MICEVSKI, Denis POPOVSKI, Mile PARTIKOV EXPERIMENTAL INVESTIGATION OF BEHAVIOR OF CHEMICAL ANCHORS
SE-8	Ana NANEVSKA, Toni KITANOVSKI, Aleksandar ZUROVSKI, Daniel TOMIC, Goran JEKIC, Roberta APOSTOLSKA Comparison of different standards for seismic design of reinforced concrete frame structure
MT-26	Bojan SUSINOV, Spasen GJORGJEVSKI, Sead ABAZI DESIGN OF EMBEDDED RETAINING STRUCTURES ACCORDING TO EUROCODE 7 USING FINAL ELEMENT METHOD
CS-12	Marijan STRKOV, Stefan BOCEV, Marjan KOCEV OPTIMIZATION DURING CONSTRUCTION – BRIDGE OVER R. BALTALISKA, EXPRESSWAY A4 STIP-RADOVIS

DAY 3 – Friday, 29 th April 2022	
18 ⁵⁰ -19 ³⁵	Poster Session 2
SS-15	Milos STOKUCA, Golubka NECHEVSKA CVETANOVSKA THE ROLE OF CLADDING AND ROOFING PANELS IN THE LOAD BEARING CAPABILITIES AND DEFORMATIBILITY OF CONSTRUCTIONS
CS-11	Evgenija STOJKOSKA, Marija DOCEVSKA, Darko NAKOV, Toni ARANGJELOVSKI, Goran MARKOVSKI CRACK WIDTH CONTROL IN RC BEAMS: EXPERIMENTAL AND ANALYTICAL RESULTS
MT-25	Angelko STOJANOVSKI, Denis POPOVSKI, Mile PARTIKOV DEFINITION OF DEFORMATION EQUATION OF COMPOSITE CROSS-SECTION ACCORDING TO EC4
SS-14	Angelko STOJANOVSKI, Denis POPOVSKI, Mile PARTIKOV COMPOSITE COLUMNS - BIGGER INVESTMENT PROFIT
MT-24	Angelko STOJANOVSKI, Denis POPOVSKI, Mile PARTIKOV ANALYSIS OF COMPOSITE COLUMNS LOADED BY BIAXIAL ACTION USING DIAGRAMS OF INTERACTIONS ACCORDING TO EUROCODE 4
ST-14	Kire STAVROV DESIGN OF THE WOOD JOINTS IN TIMBER STRUCTURES FOLLOWING BY THE EXAMPLE OF THE THREE LEG JOINT
C-S9	Dragan STAMEV, Martin RADOESHKI, Ivan NAUMOVSKI, Bojan GOLABOSKI SKOPJE EAST GATE – EXHIBITION AND SHOPPING CENTER - Skopje
AMS-23	Antonio SHOKLAROVSKI, Angela POPOSKA, Filip MANOJLOVSKI, Aleksandra BOGDANOVIC, Lidija KRSTEVSKA, Nikola NAUMOVSKI EXPERIMENTAL INVESTIGATION OF THE CHURCH OF ST. ATHANASIOS IN VAROSH, PRILEP BY AMBIENT VIBRATION METHOD
FE-7	Almir RUSHITI, Meri CVETKOVSKA FIRE RISK ASSESSMENT IN PUBLIC BUILDINGS
ST-10	Teodora MIHAJLOVSKA FORM-FINDING OF AN ENVELOPE OF A DOUBLE-LAYER SHELL SUBJECTED TO SEISMIC LOADING
MT-19	Ivana NIKOLOVSKA, Natasha NAJDOVSKA, Jovana MIRCHEVSKI, Andrea VELKOVA, Aleksandar BOGOEVSKI COMPARISON OF SEISMIC ACTIONS FOR ABUTMENTS ACCORDING TO EUROCODE AND OUR REGULATIONS
AMS-1	Aleksandra BOGDANOVIC, Zoran RAKICEVIC, Julijana BOJADJIEVA, Lidija KRSTEVSKA, Angela POPOVSKA, Filip MANOJLOVSKI, Igor MARKOVSKI, Antonio SHOKLAROVSKI, Nikola NAUMOVSKI, Dejan FILIPOVSKI 3D SEISMIC NETWORK IN URBAN ENVIRONMENT- CASE STUDY, OHRID, NORTH MACEDONIA

DAY 3 – Friday, 29 th April 2022	
18 ⁵⁰ -19 ³⁵	Poster Session 2
MT-21	Jovan Br. PAPIĆ, Ljupčo DIMITRIEVSKI, Milorad JOVANOVSKI, Igor PEŠEVSKI, Leon GUCULJ (DI)SCONTINUITY IN THE DESIGN OF RETAINING WALLS: GREETINGS FROM EUROCODE 7!
SS-16	Trajce ZAFIROV, Antonio JANEVSKI, Viktor HRISTOVSKI COMPARATIVE NUMERICAL RESEARCH OF STEEL UPGRADES ON EXISTING RC STRUCTURES
AMS-11	Shpresim IBRAIMI, Boris TANESKI, Jovan PEJOSKI, Kiril PERUNKOVSKI, Viktor GEORGIEV, Tane VASILEVSKI, Boris TASEVSKI, Stanislav MILOVANOVIC LOAD TESTING OF SUSPENSION PEDESTRIAN BRIDGE - PANORAMIC WHEEL ON VARDAR RIVER
MT-18	Mladen NASTESKI, Denis POPOVSKI, Mile PARTIKOV ANALYSIS AND DESIGN OF A STEEL JOIST, COMPARISON OF MACEDONIAN STANDARD WITH EUROCODE
21 ⁰⁰ -24 ⁰⁰	Gala Dinner and music performance (Roki & Friends)
DAY 4 – Saturday, 30 th April 2022	
10 ⁰⁰ -10 ¹⁵	Closing of the symposium
10 ³⁰ -13 ⁰⁰	Excursion - Optional

