

MACEDONIAN ASSOCIATION OF STRUCTURAL **ENGINEERS**

MASE 18 MEЃУНАРОДЕН СИМПОЗИУМ INTERNATIONAL SYMPOSIUM

ОХРИД **OHRID** 2 - 5 октомври 2019 October, 2nd- 5th, 2019



PROGRAMME

	Wednesday, 2.10.2019	
0900-1100	Registration	
1100-1200	Opening ceremony	
1200-1300	Welcome Reception	
1300-1400	Invited speakers	
IP-9 IP-2	ZNIDARIC Ales NOVEL METHODS OF MONITORING CONDITION AND TRAFFIC LOAD EFFECTS OF BRIDGES HAJDIN Rade EXISTING BRIDGES - BURDEN OR OPPORTUNITY?	
14 ⁰⁰ -14 ⁴⁵	Plenary session MASE Awards, design and construction	
MA-1	TODOROVSKI Goran, STOJCEVSKI Nikola, SERAFIMOVSKI Andrea	
MA-2	CONSTRUCTION OF THE ROOF AND FACADES OF THE NEW MACEDONIAN PHILHARMONIC BUILDING IN SKOPJE DENKOVSKI Damjan, JOSIMOVSKI Boban, LAZAROVSKI Dimitar PASIS DESIGN FOR COMMERCIAL BUILDING. ALITO SALON VOLVO IN SKOPJE	
MA-3	BASIC DESIGN FOR COMMERCIAL BUILDING - AUTO SALON VOLVO IN SKOPJE STANKOVA Elena, HRISTOV Boban, PANEV Canko, MANAILOVA-STOJANOVSKA Tatjana STRUCTURAL STRANGHTENING AND REPAIR OF BRIDGE NO.1 ON RIVER VARDAR ON ROAD R1105, DAVIDOVO –UDOVO	
14 ⁴⁵ -16 ⁰⁰	LUNCH time	
1600-1700	Invited speakers Chair: Gjorgje LAGJINOVIC and Goran MARKOVSKI	
IP-5	POPOVIC Predrag L.	
IP-6	AVOIDING MISTAKES DURING ASSESSMENT, DESIGN AND CONSTRUCTION OF STRUCTURAL REPAIRS RADONJANIN Vlastimir, KOVACEVIC Dusan, MALESEV Mirjana, LAGJINOVIC Gjorgje MONITORING SYSTEM AS A PART OF RAILWAY-ROAD BRIDGE LOAD TEST	
17 ⁰⁰ -18 ³⁰	Parallel Session 1: Construction, Monitoring, Assessment and Repair of RC Bridges Chair: Gjorgje LAGJINOVIC and Goran MARKOVSKI	
MT-18	IGNJATOVIC Ivan, CAREVIC Vedran, DOCEVSKA Marija, MARKOVSKI Goran DURABILITY ANALYSIS OF THE BRIDGE B7 ON THE RAILWAY LINE BITOLA-KREMENICA	
MT-11	DOCEVSKA Marija, BARON A. Edward, MATOS C. Jose, MARKOVSKI Goran APPLICATION OF QUALITY CONTROL PLAN TO EXISTING BRIDGES	
MT-20	MARKOVSKI Goran, ARANGJELOVSKI Toni, NAKOV Darko, DOCEVSKA Marija, STOJKOSKA Evgenija, JANEV Dejan PROOF LOADING TEST OF STRENGTHENED REINFORCED CONCRETE ARCH BRIDGE	
CS-2	DIMITROVA Ivana VIADUCT CONSTRUCTION METHODOLOGY USING BALANCED CANTILEVER SCAFFOLDING	
MT-8	CRAWFORD Kenneth C. EVALUATING LONG-TERM BOND DURABILITY OF FRP-SYSTEMS APPLIED TO RC HIGHWAY BRIDGES	
CS-8	JANEV Dejan, ARANGELOVSKI Toni, NAKOV Darko, MARKOVSKI Goran METHODS FOR DETERMINATION OF THE DAF FROM MOVING LOADS ON RC BRIDGES	
	Parallel Session 2: Construction, Monitoring, Assessment and Repair of Steel-Concrete Composite Structures	
17 ⁰⁰ -18 ³⁰	Chair: Petar CVETANOVSKI and Zoran RAKICEVIC	
MT-15	GEORGIEV Lazar, IVANOV Stoyan PRESENT STATUS OF TWO ORTHOTROPIC STEEL DECK BRIDGES ALONG HEMUS HIGHWAY IN BULGARIA	
NA-8	KAZAKOV Kostadin, MIHOVA Lena, PARTOV Doncho FINITE ELEMENT MODELLING OF THE ROAD BURIED ARCH BRIDGE "TRI VODICI" IN BULGARIA	
SS-13	PARTOV Doncho, GEORGIEV Lazar, IVANOV Stoyan, NIKOLIC Radoslav 35 YEARS HISTORY OF ONE UNPREDICTABLE INCIDENT WITH STEEL-CONCRETE COMPOSITE BRIDGE IN BULGARIA	
SS-3	GEORGIEV Lazar	
MT-19	ANALYSIS OF PARTICULAR STEEL AND CONCRETE COMPOSITE BRIDGES IN REPUBLIC BULGARIA LIOLIOS Asterios, HATZIGEORGIOU G., LIOLIOS K., PARTOV D., FOLIC B.	
MT-25	A COMPUTATIONAL ANALYSIS OF OLD RC STRUCTURES STRENGTHENED BY TIES UNDER REMOVAL OF MEMBERS PARTOV Doncho, IVANCHEV Ivan, TRAYKOVA Marina SEISMIC ASSESSMENT OF A STORAGE HERITAGE BLILL DING. A CASE STUDY	

SEISMIC ASSESSMENT OF A STORAGE HERITAGE BUILDING - A CASE STUDY

18 ³⁰ -18 ⁴⁵	Coffee break
18 ⁴⁵ -19 ³⁰	Poster session 1
CS-1	CHUBRINOVSKA Aleksandra, GEGOVSKI Dejan, KOCEVA Sofija, JANEV Dejan, NAKOV Darko, ARANGJELOVSKI Toni PROOF LOAD TESTING OF THE BRIDGES B1 AND B5 ON HIGHWAY SECTION DEMIR KAPIJA-SMOKVICA
CS-10	JIPONOV Alexander FRAME STRUCTURES FOR RAILWAY VIADUCTS - SOLUTION WHICH GUARANTEE DURABILITY AND SAFETY EXPLOITATION
CS-13	MANOJLOVIC Dragan, MISULIC KOCETOV Tatjana PARAMETRIC STUDY OF DESIGN PARAMETERS IN TIMBER-CONCRETE COMPOSITE BEAMS
CS-14	PLLANA Fatos, SALIHU Fidan, CVETKOVSKA Meri FIRE RESISTANCE ANALYSIS OF REINFORCED CONCRETE SLABS
CS-15	RISTIC Jovan, MLADENOVIC Biljana, BLAGOJEVIC Predrag, ZIVKOVIC Lazar OPTIMAL DIMENSIONING OF RECTANGULAR CROSS SECTIONS EXPOSED TO BENDING IN ACCORDANCE WITH EC2
CS-16	RUSHITI Almir, CVETKOVSKA Meri NUMERICAL ANALYSIS ON FIRE RESISTANCE OF RC BEAMS WITH DIFFERENT CROSS SECTION DIMENSIONS
CS-17	STOJKOSKA Evgenija, DOCEVSKA Marija, NAKOV Darko, ARANGJELOVSKI Toni, MARKOVSKI Goran EXPERIMENTAL AND ANALYTICAL ANALYSIS OF RC ELEMENTS SUBJECTED TO LONG – TERM SUSTAINED LOAD
CS-18	STOYNOVA Iliana, HRISTOV Tsvetomir COMPARATIVE ANALYSIS BETWEEN BY CLASSIC SOLUTIONS METHODS OF FLAT SLAB AND NUMERICAL SOLUTIONS. VERIFICATION OF FINITE ELEMENTS
CS-19	STOYNOVA Iliana, HRISTOV Tsvetomir RESPONSE OF REINFORCED CONCRETE FLAT SLAB SUBJECTED TO IMPULSE IMPACT LOADS
CS-20	SULOODJA Bulent, ABAZI Sead ADVANTAGES AND DISADVANTAGES OF TECHNIC SHOTCRETE
CS-21	VOLCHEV Riste, POSTOLOV Nikola, CVETKOVSKA Meri, CHIFLIGANEC Cvetanka FIRE RESISTANCE OF RC BEAMS EXPOSED TO DIFFERENT FIRE MODELS
CS-5	APPLICATION OF INTEGRAL BRIDGES
CS-7	JAKUPI Enis, ADEMI Festim, ZEJNELI Shinasi ANALYSIS OF CONSTRUCTION ELEMENTS OF TWO-SPAN HALL FROM ECONOMICAL ASPECT (WHICH IS BETTER AND CHEAPER, CONCRETE OR STEEL)
CS-9	JANKOVIC Ksenija, BOJOVIC Dragan, LONCAR Ljiljana, STOJANOVIC Marko, ARANDJELOVIC ANTIC Lana THE INFLUENCE OF THE METHOD OF SPECIMEN PREPARATION ON THE DEPTH OF WATER PENETRATION UNDER PRESSURE
MT-1	BOGDANOVSKI Zlatko, SRBINOSKI Zlatko, KASAPOVSKI Filip, GEGOVSKI Tome GEODETIC DEFORMATION MEASUREMENTS ON "SRBINOVO BRIDGE"- GOSTIVAR
MT-10	DAMJANOVSKI Vladimir, POPOVSKI Denis, PARTIKOV Mile REHABILITATION OF EARTHQUAKE DAMAGED REINFORCED CONCRETE STAIRS
MT-14	FOLIC Radomir, ZENUNOVIC Damir, STOJKOVIC Nenad DURABILITY AND SERVICE LIFE PREDICTION OF CONCRETE STRUCTURES
MT-21	MICEVSKI Stefan, CHURILOV Sergey, DUMOVA-JOVANOSKA Elena FOR ESTIMATION OF MODAL PARAMETERS OF EXISTING STRUCTURES
MT-23	MISKOVIC Zoran, POPOVIC Marko, MISKOVIC Ljiljana SHORT-TERM MONITORING OF TURBINE SUPPORTING STRUCTURE IN AMBIENT AND IN-OPERATION CONDITIONS
MT-26	PETROVIC Zarko, MILOSEVIC Bojan, RANKOVIC Slobodan, MIJALKOVIC Marina STRENGTHENING OF RC CONTINUOUS BEAMS USING CARBON FIBER REINFORCED POLYMER (CFRP) MATERIALS
MT-27	POPOSKA Angela, MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, KRSTEVSKA Lidija, BOGDANOVIC Aleksandra, NAUMOVSKI Nikola
MT-29	AMBIENT VIBRATION TESTING OF IRREGULAR MASONRY STRUCTURE AS AN INITIAL STEP FOR ITS STRENGHTENING PRANGOVSKI Goce, GJOSHEVSKI Goran, GOSHEV Gjorgji RECORDING THE EXISTING CONDITION, LABORATORY TESTS AND PREPARING A REHABILITATION SOLUTION FOR THE INJECTION GALLERY OF THE GLOBOCICA DAM
MT-3	BROCETA Gordana, LATINOVIC Marina, LAZIC Zarko INVESTIGATION OF BRIDGE STRUCTURE FOLLOWING EUROPEAN NORMS
MT-34	ROSHI Artur, NECHEVSKA-CVETANOVSKA Golubka REPAIR AND STRENGTHENING OF RC BUILDINGS USING TRADITIONAL AND INNOVATIVE MATERIALS
MT-35	SESOV Vlatko, GJORGJESKA Irena, BOJADZHIEVA Julijana, KITANOVSKI Toni, CHANEVA Jordanka, IVANOVSKI Dejan, EDIP Kemal GROUND-PENETRATING RADAR AND ITS APPLICATION IN ENGINEERING PRACTICE
MT-9	CVETKOVSKA Meri, TODOROV Koce, POSTOLOV Nikola, VOLCHEV Riste, CHIFLIGANEC Cvetanka, JOVSNOSKA Milica ASSESSMENT AND REPAIR OF FIRE DAMAGED CONCRETE STRUCTURE
2000-	Dinner and Music performance

Thursday, 3.10.2019		
930-1000	<u>Invited speakers</u> Chair: Veronika SENDOVA and Sergej CURILOV	
IP-8	STEVANOVIC Bosko SOME EXAMPLES OF REHABILITATION AND RECONSTRUCTION OF HISTORICAL STRUCTURES IN SERBIA	
10 ⁰⁰ -10 ¹⁵	Presentation of sponsors: Golden Art	
10 ¹⁵ -11 ³⁰	Parallel Session 3: Monitoring, Assessment and Repair of Masonry Structures Chair: Veronika SENDOVA and Sergej CURILOV	
MT-12 MT-31	DUMOVA-JOVANOSKA Elena, CHURILOV Sergey, SHENDOVA Veronika, KRSTEVSKA Lidija, DAMCHEVSKI Bojan, JANCHEV Dime MASONRY STREGHTENING BY STRUCTURAL REPOINTING — PROJECT STREP RADOVANOVIC Zeljka TESTING OF BRICK BLOCKS WALLS STRENGTHENED WITH FRCM COMPOSITE SYSTEMS	
SE-13	MILKOVA Kristina, SHEKUTKOSKA Gordijana, MISHKOVA Blagica, DUMOVA-JOVANOSKA Elena DEVELOPMENT OF SEISMIC VULNERABILITY CURVES FOR EXISTING UNREINFORCED MASONRY BUILDINGS	
SE-26	SHOKLAROVSKI Antonio, KRSTEVSKA Lidija, NIKOLIKJ Zheljana	
SE-8	SEISMIC INVESTIGATION OF A MODEL OF DRY MASONRY STRUCTURE DUMOVA-JOVANOSKA Elena, ALEKSOVSKI Grozde, DENKOVSKA Liljana, CHURILOV Sergey, MILKOVA Kristina, MICEVSKI Stefan SEISMIC VULNERABILITY OF EXISTING MASONRY BUILDINGS-PROJECT SEISMOWALL, RECENT RESULTS	
10 ¹⁵ -11 ³⁰	Parallel Session 4: Calculation, Monitoring, Assessment and Repair of Fire Damaged Structures Chair: Mirjana MALESEV and Mirjana LABAN	
NA-1	CHIFLIGANEC Cvetanka, CVETKOVSKA Meri, LAZAROV Ljupco TIMBER-CONCRETE COMPOSITE FLOOR WITH CONCRETE PLUG REINFORCED WITH STEEL PIPE AS CONNECTOR IN FIRE	
NA-11	PECENKO Robert, HOZJAN Tomaz THERMO-PYROLYSIS MODEL TO DETERMINE CHARRING OF TIMBER EXPOSED TO NATURAL FIRE	
NA-6	HUC Sabina, HOZJAN Tomaz, PECENKO Robert	
MT-5	THICKNESS OF ZERO STRENGTH LAYER IN TIMBER CROSS-SECTION DURING STANDARD AND PARAMETRIC FIRES CHUBRINOVSKA Aleksandra, POPOVSKI Denis, DAMJANOVSKI Vladimir	
CS-12	RECONSTRUCTION OF FIRE DAMAGED HOUSEHOLD LISHI Ormal, ZACE Kevin, DZORLEV Igor, STRACEV-CURCIN Anka, LABAN Mirjana FIRE DEVELOPMENT IN COMPARMENT UNDER DIFFERENT FIRE MODELS AND ITS INFLUENCE ON RC BEAMS	
11 ³⁰ -12 ⁰⁰	Coffee break	
11 ³⁰ -12 ⁰⁰ 12 ⁰⁰ -12 ³⁰	Coffee break Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN	
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12 ⁰⁰ -12 ³⁰	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana	
12 ⁰⁰ -12 ³⁰	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still Parallel Session 5: Contemporary materials	
12 ⁰⁰ -12 ³⁰ IP-1 12 ³⁰ -12 ⁵⁰	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still	
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12 ⁰⁰ -12 ³⁰ IP-1 12 ³⁰ -12 ⁵⁰ 12 ⁵⁰ -14 ²⁰ MM-9 MM-1 MM-12	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still Parallel Session 5: Contemporary materials Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN MALESEV Mirjana, RADONJANIN Vlastimir, SUPIC Slobodan, LUKIC Ivan, LABAN Mirjana, KNEZEVIC Milos, GOGIC Mladen APPLYING WASTE MATERIALS FOR ECO CONCRETE: IMPACT OF BIOMASS ASH UTILAZATION AS SCM ON BASIC PROPERTIES OF CONCRETE AND ENVIROMENT PROTECTION ARANGJELOVSKI Toni, ILIEVSKI Zlatko, NAKOV Darko, VELJANOVSKA Katerina, CHEREPNALKOVSKA Sonja NATIONAL REQIREMENTS FOR THE USE OF STANDARD FOR QUALITY OF CONCRETE MKS EN 206 UZUNOV Nikola, MARKOVSKI Goran BONDING BETWEEN CONCRETE WITH DIFFERENT PERFORMANCES RADOVANOVIC Zeljka PROPERTIES OF THE MORTAR AND STONE FROM CHURCH ST. PAUL IN KOTOR HADZIEVSKA Kristina, ARANGJELOVSKI Toni, FIDANCHEVSKA Emilija, VLADICHEVSKA Ljupka, POPOVSKA Marjana	
12 ⁰⁰ -12 ³⁰ IP-1 12 ³⁰ -12 ⁵⁰ 12 ⁵⁰ -14 ²⁰ MM-9 MM-1 MM-12 MT-30	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still Parallel Session 5: Contemporary materials Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN MALESEV Mirjana, RADONJANIN Vlastimir, SUPIC Slobodan, LUKIC Ivan, LABAN Mirjana, KNEZEVIC Milos, GOGIC Mladen APPLYING WASTE MATERIALS FOR ECO CONCRETE: IMPACT OF BIOMASS ASH UTILAZATION AS SCM ON BASIC PROPERTIES OF CONCRETE AND ENVIROMENT PROTECTION ARANGJELOVSKI Toni, ILIEVSKI Zlatko, NAKOV Darko, VELJANOVSKA Katerina, CHEREPNALKOVSKA Sonja NATIONAL REQIREMENTS FOR THE USE OF STANDARD FOR QUALITY OF CONCRETE MKS EN 206 UZUNOV Nikola, MARKOVSKI Goran BONDING BETWEEN CONCRETE WITH DIFFERENT PERFORMANCES RADOVANOVIC Zeljka PROPERTIES OF THE MORTAR AND STONE FROM CHURCH ST.PAUL IN KOTOR	
12 ⁰⁰ -12 ³⁰ IP-1 12 ³⁰ -12 ⁵⁰ 12 ⁵⁰ -14 ²⁰ MM-9 MM-1 MM-12 MT-30 MM-5	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still Parallel Session 5: Contemporary materials Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN MALESEV Mirjana, RADONJANIN Vlastimir, SUPIC Slobodan, LUKIC Ivan, LABAN Mirjana, KNEZEVIC Milos, GOGIC Mladen APPLYING WASTE MATERIALS FOR ECO CONCRETE: IMPACT OF BIOMASS ASH UTILAZATION AS SCM ON BASIC PROPERTIES OF CONCRETE AND ENVIROMENT PROTECTION ARANGJELOVSKI Toni, ILIEVSKI Zlatko, NAKOV Darko, VELJANOVSKA Katerina, CHEREPNALKOVSKA Sonja NATIONAL REQIREMENTS FOR THE USE OF STANDARD FOR QUALITY OF CONCRETE MKS EN 206 UZUNOV Nikola, MARKOVSKI Goran BONDING BETWEEN CONCRETE WITH DIFFERENT PERFORMANCES RADOVANOVIC Zeljka PROPERTIES OF THE MORTAR AND STONE FROM CHURCH ST. PAUL IN KOTOR HADZIEVSKA Kristina, ARANGJELOVSKI Toni, FIDANCHEVSKA Emilija, VLADICHEVSKA Ljupka, POPOVSKA Marjana INFLUENCE OF FLY ASH ON THE SULPHATE RESISTANCE OF CEMENT NAJDOVSKA Natasha, ARANGJELOVSKI Toni	
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12 ⁰⁰ -12 ³⁰ IP-1 12 ³⁰ -12 ⁵⁰ 12 ⁵⁰ -14 ²⁰ MM-9 MM-1 MM-12 MT-30 MM-5 MM-10 12 ⁵⁰ -14 ²⁰ MT-28	Invited speakers Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN BANJAD PECUR Ivana NOVEL MATERIALS AND TECHNOLOGIES FOR REPAIR OF CONCRETE STRUCTURES Presentation of sponsors: Dojran Still Parallel Session 5: Contemporary materials Chair: Kiril GRAMATIKOV and Vlastimir RADONJANIN MALESEV Mirjana, RADONJANIN Vlastimir, SUPIC Slobodan, LUKIC Ivan, LABAN Mirjana, KNEZEVIC Milos, GOGIC Mladen APPLYING WASTE MATERIALS FOR ECO CONCRETE: IMPACT OF BIOMASS ASH UTILAZATION AS SCM ON BASIC PROPERTIES OF CONCRETE AND ENVIROMENT PROTECTION ARANGJELOVSKI Toni, ILIEVSKI Zlatko, NAKOV Darko, VELJANOVSKA Katerina, CHEREPNALKOVSKA Sonja NATIONAL REQIREMENTS FOR THE USE OF STANDARD FOR QUALITY OF CONCRETE MKS EN 206 UZUNOV Nikola, MARKOVSKI Goran BONDING BETWEEN CONCRETE WITH DIFFERENT PERFORMANCES RADOVANOVIC Zeljka PROPERTIES OF THE MORTAR AND STONE FROM CHURCH ST. PAUL IN KOTOR HADZIEVSKA Kristina, ARANGJELOVSKI Toni, FIDANCHEVSKA Emilija, VLADICHEVSKA Ljupka, POPOVSKA Marjana INFLUENCE OF FLY ASH ON THE SULPHATE RESISTANCE OF CEMENT NAIDOVSKA Natasha, ARANGJELOVSKI Toni ANALYSIS OF THE INFLUENCE OF LIMESTONE POWDER TO PROPERTIES OF SELF COMPACTING CONCRETE Parallel Session 6: Monitoring, Assessment and Repair of Concrete Structures Chair: Ana TROMBEVA GAVRILOSKA and Ivan IGNJATOVIC POPOVIC Predrag L., VLA Dunja ASSESSMENT AND REPAIR OF EXTERIOR FACADES	

MT-40	ZLATESKI Aleksandar, DELOVA Elena, POPOSKA Angela, BOZHINOVSKI Zhivko, GJORGJIEVSKA Elena ANALYSIS OF THE STABILITY WITH A TECHNICAL SOLUTION FOR STRENGTHENING OF THE PRISON BUILDING IN BITOLA
MT-22	MILEVSKI Slavko CONDITION OF CONCRETE SURFACES OF SHAFT SPILWAY OF DAM'S "GLOBOCICA" AND "SHPILIE"
14 ²⁰ -16 ⁰⁰	LUNCH time
16 ⁰⁰ -16 ³⁰	Invited speakers Chair: Zlatko MARKOVIC and Dusko LUCIC
IP-4	PASTERNAK Hartmut ASSESSMENT CONDITION, MAINTENANCE AND REPAIR OF STRUCTURES
16 ³⁰ -18 ¹⁵	Parallel Session 7: Monitoring, Assessment and Repair of Steel Structures Chair: Zlatko MARKOVIC and Dusko LUCIC
SE-18	PETRESKI Borjan, GJORGJIEV Igor EVALUATION OF IMPROVED MODELLING OF STEEL MOMENT RESISTING FRAMES SUBJECTED TO EARTHQUAKE LOADING
SS-1	DENKOVSKI Damjan, POPOVSKI Denis, DAMJANOVSKI Vladimir EXPERIMENTAL AND ANALYTICAL RESEARCH OF POST- INSTALLED ANCHORS IN NON- REINFORCED CONCRETE LOADED WITH
SS-11	TENSION FORCE PARTIKOV Mile, NISEV Nikola, POPOVSKI Denis ANALYSIS OF THE BEHAVIOUR OF SHEAR CONNECTORS WITH TRANSFERSAL SHEETING
SS-12	PARTIKOV Mile, CVETANOVSKI Petar EXPERIMENTAL AND ANALYTICAL RESEARCH OF ROTATIONAL STIFFNESS OF "T" JOINTS
SS-15	PASKALOVSKI Gjoko, POPOVSKI Denis DESIGN ASSESMENT OF STEEL LETTICE AND TUBULAR TOWERS
SS-19	SUBOTIC Petar, LUCIC Dusko THE INFLUENCE OF GLOBAL IMPERFECTIONS ACCORDING TO EN 1993-1-1 ON DESIGN OF STEEL FRAMES
SS-6	JAKOVLJEVIC Isidora, DOBRIC Jelena, MARKOVIC Zlatko NUMERICAL STUDY ON BENDING BEHAVIOUR OF HOT-FINISHED AND COLD-FORMED ELLIPTICAL HOLLOW SECTIONS
16 ³⁰ -18 ¹⁵	<u>Parallel Session 8</u> : Special Session - InfraNAT project Chair: Vlatko SESOV
SE-25 MT-38	PRESENTATION OF THE INFRA-NAT PROJECT Elisa ZUCCOLO CHARACTERISING SEISMIC HAZARD FOR REGIONAL ASSESSMENT Radmila SALIC & Kemal EDIP SEISMIC HAZARD AND EARTHQUAKE ACCELEROGRAM SELECTION FOR STRUCTURAL ANALYSIS OF BRIDGES IN REPUBLIC OF N. MACEDONIA Gerard J. O'REILLY CHARACTERISING SEISMIC VULNERABILITY OF BRIDGE STRUCTURES + INFRASTRUCTURE VULNERABILITY ASSESSMENT Marija VITANOVA NUMERICAL MODELS AND FRAGILITY FUNCTIONS FOR BRIDGE TYPOLOGIES DEFINED IN N. MACEDONIA DATABASE Barbara BORZI DEVELOPMENT OF EXPOSURE AND FRAGILITY DATABASE WITHIN WEB-BASED PLATFORM + IMPLEMENTATION AND USAGE WITHIN WEB-BASED PLATFORM
18 ¹⁵ -18 ³⁰	Coffee break
18 ³⁰ -19 ¹⁵	Poster session 2
MM-11	STOJANOVIC Marko, FLAJS Zeljko, JANKOVIC Ksenija, BOJOVIC Dragan, ARANDJELOVIC ANTIC Lana NATURAL FREQUENCIES OF UHPFRC BEAM WITH DIFFERENT PERCENTAGES OF STEEL FIBER CONTENT
MM-2	DRAGAS Jelena, PECIC Nenad PAST, PRESENT AND FUTURE OF FLY ASH IN CONCRETE
MM-3	GOGIC Mladen, KNEZEVIC Milos, IVANISEVIC Nenad, DELIJIC Kemal, BELJKAS Zeljka, PEJOVIC Jelena, MALESEV Mirjana, SUPIC Slobodan EXPLORING THE POSSIBILITY OF USING GRIT FOR ECO CONCRETE
MM-4	GRUJOSKA Vesna, SAMARDZHIOSKA Todorka, GRUJOSKA Jasna IMPROVEMENT OF THERMAL CONDUCTIVITY OF MORTARS WITH SLAG
MM-6	JOVANOSKA Milica, SAMARDZIOSKA Todorka, VITANOV Vladimir, TODOROV Koce, CHIFLIGANEC Cvetanka CURRENT DEVELOPMENTS TOWARDS SEISMIC METAMATERIALS
MM-8	LABAN Mirjana, LUKIC Ivan, BULATOVIC Vesna, RADONJANIN Vlastimir, MALESEV Mirjana ENERGY IMPROVEMENT OF RESIDENTIAL BUILDINGS FROM THE ASPECT OF FACADE FIRE SAFETY
NA-12	TODOROV Koce, LAZAROV Ljupco APPROACHES FOR MATHEMATICAL MODELING OFMASONRY INFILL
NA-13	TODOROV Koce, LAZAROV Ljupco VERIFICATION OF THE MASONRY INFILL PANEL MODEL THROUGH NUMERICAL SIMULATION OF EXPERIMENTS
NA-2	CVETANOVSKI Petar, CHURILOV Sergej, DUMOVA-JOVANOVSKA Elena CALIBRATION OF FINITE ELEMENT MODELS FOR UNREINFORCED MASONRY BUILDINGS
NA-4	GULEVSKA Angela, MILKOVA Kristina, DUMOVA-JOVANOSKA Elena

NA-5	HEKIC Doron, ZAFIROV Trajche, GYURICZA Arnold, JANCSO Ildiko, Pavlos-NTOVAS Rafail, YANEV Emil, ROBERIO Diogo, ZABEL Volkmar EXPERIMENTAL AND NUMERICAL ANALYSIS OF THE MODAL PARAMETERS OF A TELECOMMUNICATIONS TOWER
NA-7	IVANOVSKI Dejan, KITANOVSKI Toni, CHANEVA Jordanka, SHESHOV Vlatko, BOJADZHIEVA Julijana, EDIP Kemal EVALUATION AND ANALYSIS OF CONSTRUCTION PROCESS FOR COMPLEX BUILDING CONSISTED OF SEVERAL BLOCKS
SE-1	ARSOV Mario, TODOROV Koce INFLUENCE OF SECOND ORDER EFFECTS ON DESIGN OF STEEL MOMENT RESISTING FRAMES ACCORDING TO EUROCODE 8
SE-11	IBRAIMI Shpresim, TODOROV Koce, LAZAROV Ljupco SEISMIC BEHAVIOUR OF MASONRY INFILLED RC FRAME STRUCTURES WITH INCLUDED SOIL-STRUCTURE INTERACTION
SE-16	MITOVSKI Stevcho, PETKOVSKI Ljupcho, PANOVSKA Frosina ANALYSIS OF THE SEISMIC RESPONSE OF AN ARCH-GRAVITY DAM
SE-17	NANEVSKA Ana, MIRCEVSKA Violeta, NASTEV Miroslav HYDRAULIC INSTABILITY OF TAILINGS DAMS
SE-19	POPOSKA Marina, STOJMANOVSKA Marta, BOZINOVSKI Zivko, DOJCHINOVSKI Dragi NINE-STOREY STRUCTURE ANALYZED ON REAL ACCELEROGRAMS
SE-20	RADUJKOVIC Aleksandra, LADJINOVIC Djordje EVALUATION OF SEISMIC PERFORMANCE OF RC FRAMES FOR DIFFERENT DEMAND PARAMETERS
SE-22	RISTIC Jelena, RISTIC Danilo PROTOTYPE TESTING OF UNIFORMLY ADAPTIVE NEW VF MULTI-GAP SEISMIC ENERGY DISSIPATION DEVICE
SE-23	RISTOVSKA Hristina, SALIC Radmila, MILUTINOVIC Zoran, MICAJKOV Slobodan EQ-DGIS: DIGITAL AND GIS DATABASE FOR EARTHQUAKE RELATED DAMAGES: PILOT STUDY SKOPJE 1963 EARTHQUAKE
SE-29	TRAJCHEVSKI Zoran, NECHEVSKA-CVETANOVSKA Golubka COMPARATIVE ANALYSIS OF INFLUENCE OF MASONRY INFILL ON SEISMIC BEHAVIOR OF RC BUILDINGS
SE-3	BOGDANOVIC Aleksandra, SALIC Radmila, STOJMANOVSKA Marta, EDIP Kemal IMPLEMENTATION OF HAZARD MODELS CONSIDERING SOIL STRUCTURE INTERACTION ANALYSIS OF MULTYSTOREY FRAME WITH VISCOUSE DAMPERS
SE-30	VITANOVA Marija, BOGDANOVIC Aleksandra, HRISTOVSKI Viktor IMPROVING THE SEISMIC PERFORMANCE OF RC BRIDGE STRUCTURES BY USE OF VISCOUS DAMPERS
SE-31	ZIVALJEVIC Vladimir, LADJINOVIC Djordje, KOVACEVIC Dusan, RAJIC Nikola THE USE OF PUSHOVER ANALYSIS FOR EVALUATION OF BEHAVIOUR OF SIX-STOREY RC BUILDING DESIGNED ACCORDING TO CAPACITY DESIGN RULES
SE-5	DIMITROV Ivan, NECHEVSKA-CVETANOVSKA Golubka SEISMIC ASSESSMENT OF RC BUILDING STRUCTURES WITH SOFT STORY
SE-9	EDIP Kefajet, NECHEVSKA-CVETANOVSKA Golubka STRUCTURAL SYSTEMS OF HIGH-RISE BUILDINGS IN SEISMICALLY ACTIVE REGIONS
2100-	Gala dinner

	Eriday 4.10.2010
	Friday, 4.10.2019
10 ⁰⁰ -10 ⁴⁵	Round Table: EUROCODES AND NATIONAL ANNEXES , Moderator: Petar CVETANOVSKI
10 ⁴⁵ -11 ⁴⁵	Round Table: CONSTRUCTION LAW, Moderator: Miroslav GRCEV
11 ⁴⁵ -12 ⁰⁰	Coffee break
12 ⁰⁰ -12 ³⁰	Invited Speaker Chair: Elena DUMOVA JOVANOSKA and Roberta APOSTOLSKA
IP-3	MARKOVSKI Goran TO BE, OR NOT BE DEMOLISHED?
12 ³⁰ -12 ⁴⁰	Presentation of sponsors: Neshvyl
12 ⁴⁰ -14 ²⁰	Parallel Session 9: Structural Health Monitoring Chair: Elena DUMOVA JOVANOSKA and Roberta APOSTOLSKA
MT-2	BOGOEVSKA Simona, CHATZI Eleni, DUMOVA-JOVANOSKA Elena, HOEFFER Ruediger
MT-16	DATA-DRIVEN STRUCTURAL HEALTH MONITORING AND DIAGNOSIS OF OPERATING WIND TURBINES GJORGJIEV Igor, JEKIKJ Goran, ZHUROVSKI Aleksandar, GAREVSKI Mihail
MT-6	EXPERIMENTAL IN-SITY TESTING OF 40 STOREY RESIDENTAL BUILDING BY FORCED AND AMBIENT VIBRATION METHODS CHURILOV Sergey, ATANASOVSKI Saso, MIHAJLOVIC Tino, DUMOVA-JOVANOSKA Elena
MT-7	LONG-TERM MONITORING OF THE BELL TOWER OF CHURCH OF ST. CLEMENT OF OHRID IN SKOPJE CHURILOV Sergey, MICEVSKI Stefan, RUMENOVSKI Aleksandar, DUMOVA-JOVANOSKA Elena
NA-9	AMBIENT VIBRATION TESTING OF UNREINFORCED MASONRY BUILDINGS IN OHRID MICHEL Philipp, BUTENWEG Christoph, KLINKEL Sven
ST-9	EXAMPLES FOR THE INFLUENCE OF SSI EFFECTS ON THE DYNAMIC STIFFNESS OF THE FOUNDATION-SOIL-SYSTEM OF AN ONSHORE WIND TURBINE MOURATIDIS Anastasios
CS-4	SMART TECHNOLOGIES IN ROAD ASSET MANAGEMENT FORMAN Patrick, MARK Peter LIGHT CONCRETE STRUCTURES
12 ⁴⁰ -14 ²⁰	Parallel Session 10: Seismic Engineering Chair: Koce TODOROV and Lidija KRSTEVSKA
SE-14	MILUTINOVIC Zoran, SALIC Radmila
SE-15	SEISMIC ZONING OF REPUBLIC OF N. MACEDONIA ACCORDING EUROCODE 8 REQUIREMENTS MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu
SE-15 SE-2	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip
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SE-2	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" — SERA
SE-2	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan
SE-2 SE-21	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" – SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel
SE-21 SE-24	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" — SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS
SE-2 SE-21 SE-24 SE-6	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" – SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel SEISMIC PERFORMANCE, MODELING AND ANALISYS OF PRECAST FRAME TIMBER STRUCTURES MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, POPOSKA Angela, BOGDANOVIC Aleksandra, KRSTEVSKA Lidija
SE-21 SE-24 SE-6 SE-12	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" — SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel SEISMIC PERFORMANCE, MODELING AND ANALISYS OF PRECAST FRAME TIMBER STRUCTURES MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, POPOSKA Angela, BOGDANOVIC Aleksandra, KRSTEVSKA Lidija EXPERIMENTAL INVESTIGATIONS OF GLASS CLADDINGS SEISMIC RESPONSE
SE-2 SE-21 SE-24 SE-6 SE-12	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" – SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel SEISMIC PERFORMANCE, MODELING AND ANALISYS OF PRECAST FRAME TIMBER STRUCTURES MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, POPOSKA Angela, BOGDANOVIC Aleksandra, KRSTEVSKA Lidija EXPERIMENTAL INVESTIGATIONS OF GLASS CLADDINGS SEISMIC RESPONSE LUNCH time Invited Speaker Chair: Darko NAKOV and Marina RAKOCEVIC SHENDOVA Veronika
SE-2 SE-21 SE-24 SE-6 SE-12 14 ²⁰ -16 ⁰⁰	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA Lidija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" – SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel SEISMIC PERFORMANCE, MODELING AND ANALISYS OF PRECAST FRAME TIMBER STRUCTURES MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, POPOSKA Angela, BOGDANOVIC Aleksandra, KRSTEVSKA Lidija EXPERIMENTAL INVESTIGATIONS OF GLASS CLADDINGS SEISMIC RESPONSE LUNCH time Invited Speaker Chair: Darko NAKOV and Marina RAKOCEVIC
SE-2 SE-21 SE-24 SE-6 SE-12 14 ²⁰ -16 ⁰⁰ 16 ⁰⁰ -16 ³⁰ IP-7	MILUTINOVIC Zoran, SALIC Radmila, LAURENTIU Danciu MEASURING ASSOCIATION BETWEEN THE TWO RECENT SEISMIC HAZARD ASSESSMENTS FOR RN MACEDONIA BOGDANOVIC Aleksandra, KRSTEVSKA LIdija, POPOSKA Angela, SHOKLAROVSKI Antonio, MANOJLOVSKI Filip SHAKE TABLE TESTS OF NONSTRUCTURAL SYSTEMS IN DYNLAB-IZIIS, SKOPJE RAKICEVIC Zoran, BOGDANOVIC Aleksandra, JEKIC Goran, GEORGIEV Igor, MARKOVSKI Igor, FILIPOVSKI Dejan, NAUMOVSKI Nikola, PETRESKI Borjan DYNLAB IZIIS - AS A PART OF H2020 "SEISMOLOGY AND EARTHQUAKE ENGINEERING RESEARCH INFRASTRUCTURE ALLIANCE FOR EUROPE" – SERA RUNEVSKI Kristijan, APOSTOLSKA Roberta, BOZHINOVSKI Zhivko, SHENDOVA Veronika, STOJANOVSKI Blagoj. MARKOVSKI Igor QUASI STATIC TESTS OF PRESTRESSED PRECAST HOLLOW CORE SLABS - RC BEAM CONNECTIONS DIMITROVSKI Mirko, SHENDOVA Veronika, TRAJCHEVSKI Jovan, TOMIC Daniel SEISMIC PERFORMANCE, MODELING AND ANALISYS OF PRECAST FRAME TIMBER STRUCTURES MANOJLOVSKI Filip, SHOKLAROVSKI Antonio, POPOSKA Angela, BOGDANOVIC Aleksandra, KRSTEVSKA Lidija EXPERIMENTAL INVESTIGATIONS OF GLASS CLADDINGS SEISMIC RESPONSE LUNCH time Invited Speaker Chair: Darko NAKOV and Marina RAKOCEVIC SHENDOVA Veronika IZIIS' INTEGRATED APPROACH IN SEISMIC RETROFITTING OF STRUCTURES, HISTORIC BUILDINGS AND MONUMENTS Parallel Session 11: Numerical Analysis of Structures Chair: Darko NAKOV and Marina RAKOCEVIC NEZIRI Zabedin, YVES-BARD Pierre, SALAMEH Christelle
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	Parallel Session 12: Selected Topics
16 ³⁰ -18 ⁰⁰	Chair: Nenad IVANISEVIC and Donco PARTOV
SS-5	IVANOVA Blagovesta
ST-11	HISTORICAL DOCUMENTS FOR THE DESIGN OF THE STEEL STRUCTURES AT THE END OF THE 19TH CENTURY NAUMOVSKI Nikola, KRSTEVSKA Lidija
ST-12	VIBRATIONS IN URBAN MEDIA, WITH A PARTICULAR EMPHASIS ON VIBRATIONS DUE TO RAILWAY TRAFFIC STOYANOV Aleksandar
	ANALYSIS OF OFTEN IRREGULARITIES IN TERMS OF HEALTH AND SAFETY AT CONSTRUCTION SITES IN BULGARIA
ST-15	TASEVSKI Boris, ALEKSANDROV Boris BENEFITS FROM 3D MODELLING (BIM) AND THE REVIEW OF WORKS FOR ONE PROJECT FROM IDEA TO REALIZATION
ST-4	IVANOVSKA DESKOVA Ana STRUCTURE AS A SYMBOL: MODERNIST HIGH-RISES IN SKOPJE
18 ⁰⁰ -18 ⁴⁵	Poster session 3
SS-10	MIKAROVSKA Stefanija, POPOVSKI Denis
SS-14	ANALYSIS OF RESISTANCE AND STABILITY OF CASTELLATED COMPOSITE BEAM FOR VARIOUS NUMBER OF SHEAR CONNECTORS PASKALOVSKI Gjoko, POPOVSKI Denis NUMBER OF STEEL AND TURNING AND TOWERS
SS-16	WIND LOAD ASSESMENT OF STEEL LATTICE AND TUBULAR TOWERS POPOVIC Svetislav, RAKOCEVIC Marina PUNC SILVANDE CONNECTION - RESIGN PRINCIPLES AND INSELLENCE OF IMPERENTIONS
SS-17	RING FLANGE CONNECTION - DESIGN PRINCIPLES AND INFLUENCE OF IMPERFECTIONS POPOVSKA Elena, POPOVSKI Denis, DAMJANOVSKI Vladimir PARKING ON FLOOR MUTILIPREGULAR PLAN
SS-18	PARKING ON FLOOR WITH IRREGULAR PLAN RAJIC Nikola, LADJINOVIC Djordje, ZIVALJEVIC Vladimir
	WIND LOADS ON TRANSMISSION LINE LATTICE TOWER COMPARISON ACCORDING TO EUROPEAN AND NATIONAL REGULATIONS
SS-2	DJUKIC Mirjana, MARKOVIC Zlatko, LUCIC Dusko COMPOSITE SLIM FLOOR BEAMS WITH WEB OPENINGS-OVERVIEW OF EXPERIMENTAL REASEARCH AND NUMERICAL ANALYSIS
SS-20	ZIVALJEVIC Vladimir, JOVANOVIC Djordje, KOVACEVIC Dusan EVALUATION OF THE INSTABILITY BEHAVIOR OF THE ECCENTRICALLY COMPRESSED THIN-WALLED STEEL COLUMN
SS-21	ZIVALJEVIC Vladimir, JOVANOVIC Djordje, VUKOBRATOVIC Vladimir
SS-22	EVALUATION OF THE INSTABILITY BEHAVIOR OF THE LATERALLY DISPLACED THIN-WALLED STEEL FRAME ZIVKOVIC Srdjan, TURNIC Dragana, Marija SURDILOVIC Spasojevic, MILOSEVIC Marko, NIKOLIC Vladan
33-22	MODELING OF SEMI-RIGID CONNECTIONS OF STEEL CONSTRUCTION
SS-4	GJUKAJ Anita, TROMBEVA-GAVRILOSKA Ana, CVETANOVSKI Petar
SS-7	DESIGN MOMENT RESISTING OF END PLATE CONNECTION, EC3 LUCIC Dusko, BULATOVIC Teodora, TESOVIC Ivana, MUHADINOVIC Mladen, JANKOVIC Milena, VUCINIC Milos, SIPCIC Nevena
	DETAILED DESIGN OF STEEL ROOF STRUCTURE FOR FOOTBAL STADIUM IN NIKSIC
SS-8	LUKACEVIC Ivan, UNGUREANU Viorel, VALCIC Andjelo, PEDISIC Mislav BENDING RESISTANCE OF COLD-FORMED BACK-TO-BACK BUILT-UP STEEL SECTIONS
ST-1	ABAZI Sead, SUSINOV Bojan, KOCEVSKI Dimitrij, GACEVSKI Vasko
ST-10	STABILITY ANALYSIS OF UNSTABLE ZONE OF R-1202 ROAD MAVROVO-DEBAR NAUMOVSKI Mihail, LAZAREVSKA Marijana
	CORRECT RISK ASSESSMENT FOR MORE QUALIFIED CONSTRUCTION PROJECTS
ST-13	STOYANOV Vencislav, STOYANOV Aleksandar PROBLEMS AND SOLUTIONS TO ENSURE OF STOCK ON THE CONSTRUCTION SITE
ST-14	TASESKI Goce, PELIVANOSKI Petko
ST-16	METHODOLOGY FOR OPTIMAL CONCEPT SELECTION IN INFRASTRUCTURE WASTE TREATMENT SYSTEM TRPEVSKI Strahinja
	IWA STANDARDS WITH WB-EASYCALC SOFTWARE APPLICATION FOR SMALL SIZE PUCS ON A CASE OF MAKEDONSKI BROD
ST-17	TRPEVSKI Strahinja SUSTANABLE ROAD NETWORK DEVELOPMENT OPPORTUNITIES IN SOUTH-EAST REGION IN NORTH MACEDONIA
ST-18	TRPEVSKI Strahinja APPLIED TOOLS FOR MANAGEMENT WATER SUPPLY AND WASTEWATER INFRASTRUCTURE TO PROTECT OHRID LAKE
ST-19	ZAFIROVSKI Zlatko, VELICHKOVSKI Ivo COMPARATIVE ANALYSIS FOR OPTIMAL SOLUTION FOR THE OPTION OF CONSTRUCTION IN THE SUBSTRUCTURES
ST-2	DERVISHI Sokol, BOJAXHIU Jonida IMPACT OF PRECIEVED INDOOR ENVIRONMENTAL QUALITY ON OVERALL SATISFACTION IN FIVE HIGH SCHOOL BUILDINGS IN TIRANA, ALBANIA
ST-3	DERVISHI Sokol, OSMANI Jona, Rudina Belba
ST-5	THERMAL PERFORMANCE EVALUATION OF AN INDUSTRIAL SITE IN POGRADEC, ALBANIA: AN ADAPTIVE REUSE APPROACH JOVANOSKA Milica, SAMARDZIOSKA Todorka ASSESSMENT OF CLASSROOM ACOUSTIC PARAMETERS
ST-6	LAZAREVSKA Marijana, NAUMOVSKI Mihail RISKS IN CONSTRUCTION PROJECTS
ST-7	LAZAREVSKA Marijana ANSI/PMI STANDARD FOR RISKS MANAGMENT OF CONSTRUCTION PROJECTS
18 ⁴⁵ -19 ⁰⁰	Closing ceremony
1900-2000	Dinner
2000-	Lake Ohrid night cruise

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