



# Conference preliminary program



- ☞ This is preliminary program, and you are invited to comment it and suggest to the Organizing Committee changes if you are unable to attend the conference on a specific time or date.
- ☞ Each author has 10 minutes for presentation. After each session presenters and participants are encourage to take part in a discussion.
- ☞ Specific time of individual paper presentation in the session will be given in Final program.

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**DAY 1 - Monday, 22nd March 2021**

9:00 - 9:30	Registration of on-site participants		
9:30 - 12:00	Opening ceremony		
12:00 - 13:00	Lunch break		
13:00-15:15	 <b>Keynote lecture</b> <b>Peter Fajfar</b> <b>Practice-oriented nonlinear seismic analysis</b>		
	 <b>Keynote lecture</b> <b>Paulo B. Lourenço</b> <b>Monuments and historic buildings: Applications and challenges in structural engineering</b>		
	 <b>Keynote lecture</b> <b>Kyriazis Pitilakis</b> <b>Site effects, site classification and intensity dependent amplification site factors in view of the ongoing revision of EC8</b>		
15:30 - 16:45	<b>Great hall</b>	<b>Room 221</b>	<b>Room 121</b>
	Session 1A Seismic Performance of Structures	Session 1B - Innovative Technology / Post Disaster Recovery and Reconstruction	Session 1C - Earthquake Risk Mitigation Policies and Management
	Jure Starc, Anže Babič, Jure Žižmond, Matjaž Dolšek Seismic stress test of the building stock of the University of Ljubljana	Lorenzo Del Giudice, Rafal Wrobel, Christian Leinenbach, Michalis F. Vassiliou Physical modelling of RC concrete structures using additively manufactured reinforcement of submillimeter diameter	Nataša Holcinger, Zaviša Šimac Importance of National platforms in disaster risk governance
	Veronika Shendova, Goran Jekic, Aleksandar Zlateski, Blagojce Stojanoski IZIIS' INTEGRATED APPROACH IN SEISMIC RETROFITTING OF HISTORIC BUILDINGS AND MONUMENTS	Natalia Reggiani Manzo Non-linear spectrum-based analysis of rocking structures	Mark White OUTWRESTLING TSUNAMIS WITH RESILIENT DESIGNS: MEETING THE CHALLENGE IN DUBROVNIK AND HILO
	Radomir Folić, Miloš Čokić FRAGILITY ANALYSIS OF RC BUILDING WITH THE APPLICATION OF NONLINEAR ANALYSIS	Goran Chapragoski, Golubka Nechevska-Cvetanovska FINITE ELEMENT MODELING OF FRP STRENGTHENED COLUMN SUBJECTED UNDER CYCLIC LOADING	Massimo Migliorini Virtual and Aumented Reality for Disaster Risk Reduction
	Igor Tomić, Francesco Vanin, Katrin Beyer Modelling historical masonry aggregates using the Equivalent Frame Approach	Maria Valasaki, Christos Papakonstantinou FRP-Confined Concrete: A Comparison Analysis of Ultimate Axial Strain Models	David Koren, Katarina Rus Assessment of a city performance under different earthquake scenarios
	Svetlana Brzev, Predrag Blagojević, Radovan Cvetković Wall Index Requirements for Seismic Design and Assessment of Masonry Buildings	Golubka Nechevska-Cvetanovska, Artur Roshi, Jordan Bojadjev, Zoran Trajchevski STRENGTH AND DUCTILITY CAPACITY OF RC COLUMNS STRENGTHENED WITH CFRP MATERIALS	Mark Klyachko Preventive seismic strengthening for urban resilience
	Miroslav Nastev Planning a ShakeOut earthquake scenario for Quebec City, Canada	Ioanna Skyrianou, Christos Papakonstantinou, Lampros Koutas Mechanical Performance of Rubberized Concrete Confined with Textile Reinforced Mortar Jackets	Luis Davila Migoya, José Manuel Cabrero, Héctor García-Diego Seismic vulnerability in Guatemala City considering the urban planning
17:00 - 18:30	 <b>Keynote lecture</b> <b>Gregory Deierlein</b> <b>From Performance-Based Earthquake Engineering to Urban Resilience</b>		
	 <b>Keynote Lecture</b> <b>Dimitrios Lignos</b>		

DAY 2 - Tuesday, 23th March 2021					
9:00 - 11:00	 <b>Keynote lecture</b> Agostino Goretti For the need to build a post-earthquake rapid assessment capacity in the Balkans				
	 <b>Keynote lecture</b> Vitor Silva The Potential Impact of Earthquakes in the Global COVID19 Pandemic				
	 <b>Keynote lecture</b> Paolo Morandi Seismic assessment of brick URM buildings: latest findings and future perspectives				
	Great hall	Room 121	Room 221	Room 216	Faculty hall
	Session 2A Seismic Performance of Structures / Post Disaster Recovery and Reconstruction	Session 2B - Earthquake Risk Mitigation Policies and Management	Session 2C - Seismic Performance of Structures (experimental)	Session 2D - Post Disaster Recovery and Reconstruction (assessment)	Special Session 1 - Block19
	Mariano Zanini, Gianantonio Feltrin <b>RELIABILITY-TARGETED BEHAVIOUR FACTOR EVALUATION FOR CODE CONFORMING ITALIAN RC BARE AND INFILLED BUILDINGS</b>	Goran Jelic, Veronika Shendova, Golubka Nechevska-Cvetanovska, Zivko Bozinovski, Roberta Apostolska, Blagojce Stojanoski, Aleksandar Zlateski, Aleksandar Zhurovski, Kristijan Runevski, Elena Delova <b>IZHS' SEISMIC ASSESSMENT PROTOCOL FOR EXISTING BUILDING STRUCTURES</b>	A.A. Katsamakas, M.F. Vassiliou <b>Shake table statistical validation of Finite Element models of rocking structures</b>	Enrica Verrucci, Valentina Putrino, Emily So, Dina D'Ayala <b>Remote earthquake damage reconnaissance missions: "business as usual" through technology and networking</b>	Pilot project for the renovation of a characteristic block in the historic center of the City of Zagreb (perspective of different professions) - led by City of Zagreb.
	Ioannis Papargyriou, Seyed Mohammad Mojtabaei, Iman Hajirasouliha, Jurgen Beque <b>Cyclic and monotonic moment-rotation behaviour of CFS web-connected beam-to-column joints suitable for seismic applications</b>	Aleksandar Zlateski, Veronika Shendova <b>Harmonization of seismic vulnerability assessment of urban historic centers</b>	Igor Gjorgjiev, Goran Jelic, Aleksandar Zhurovski <b>IDENTIFICATION OF DYNAMIC PROPERTIES OF RC BUILDINGS IN SKOPJE BY IN-SITU TESTING</b>	Vlatko Sheshov, Roberta Apostolska, Marija Vitanova, Zivko Bozinovski, Aleksandra Bogdanovik, Kemal Edip, Blagojce Stojanoski, Radmila Sali <b>Post-earthquake mission in Durres, Albania, from Science to practice</b>	
11:30 - 13:00	Esmael Asadi, Edgar Emilio Bastidas Arteaga, Yue Li <b>Seismic Life-cycle Functional Recovery Analysis of Corroded Reinforced Concrete Buildings</b>	Elena Dumova-Jovanoska, Grozde Aleksovski, Liljana Denkovska, Sergey Churilov, Kristina Milkova, Simona Bogoevska, Stefan Micevski <b>SEISMIC VULNERABILITY OF EXISTING MASONRY BUILDINGS IN THE BALCAN AREA - CASE NORTH MACEDONA</b>	Emir Hodžić, Senad Medic, Mustafa Hrasnica <b>EXPERIMENTAL VERSUS NUMERICAL RESPONSE OF R.C. WALLS SUBJECTED TO EARTHQUAKE LOADING</b>	Ksenija Tesic, Ana Baričević, Marijana Serdar <b>CASE STUDY ON APPLICATION OF GROUND-PENETRATING RADAR FOR NON-DESTRUCTIVE ASSESSMENT OF HISTORICAL BUILDING</b>	
	Lukas Bodenmann, Yves Reuland, Božidar Stojadinović <b>Using regional earthquake risk models as priors to dynamically assess the impact on residential buildings after an event</b>	Mohammad Mizanur Rahman, Abdullah Al Tariq, Sabrina Sharmin <b>Earthquake Resilience at District Level Hospital in Bangladesh: Tactic of Non-Structural Elements and Social Awareness</b>	Eldin Kaloper, Edhem Živalj, Senad Medic <b>Experimental and numerical assessment of reinforced concrete column under cyclic loading</b>	Tomaž Pazlar, Milost Egon <b>Albania 2019 earthquake: Building damage assessment</b>	
	Diana Maria Contreras Mojica, Laure Fallou, Matthieu Landès, Sean Wilkinson, Ivan Tomljenovich, Nipun Balan Balan, Rémy Bossu, Philip James <b>Assessing Emergency Response and Early Recovery using Sentiment Analysis (SA). The case of Zagreb, Croatia</b>	Kristina Milkova, Elena Dumova-Jovanoska, Christoph Butenweg <b>Region-sensitive comprehensive procedure for determination of Seismic Fragility Curves for Existing Masonry Buildings</b>	Ionut Ovidiu Toma, George TARANU, Petru Mihai, Nicolae TARANU, Mihai BUDESCU, Mihai-Sergiu ALEXA-STRATULAT <b>Shake-table tests to assess the behavior of structural systems under seismic excitations</b>	Drilona Disha, Hektor Cullufi <b>THE IDENTIFICATION OF DAMAGES OCCURRED IN REINFORCED CONCRETE STRUCTURES DURING DURRES EARTHQUAKE 2019</b>	
	Rafael Ramirez Eudave, Tiago Miguel Ferreira <b>Proposal for a suitable workflow for assessing the seismic vulnerability of historical buildings. Atlixco (Puebla, México) as a case study</b>	Alexandru Tiganeşcu, Dragos Toma-Danila, Bogdan Grecu, Iolanda-Gabriela Craifaleanu, Stefan Florin Balan, Claudiu Sorin Dragomir <b>Current status and perspectives on seismic monitoring of structures and rapid seismic loss estimation in Romania</b>	George TARANU, Ionut-Ovidiu TOMA, Nicolae TARANU <b>Shake table test of a 1:2 scale historical unreinforced masonry building</b>	Mislav Stepinac, Tomislav Kisiček, Tvrtko Renić, Ivan Hafner, Luka Lulić, Karlo Ožić <b>The role of assessment in the proper rehabilitation of existing structures</b>	
	Boris Azinović, Meta Kržan, Tomaž Pazlar <b>In-plane lateral testing of timber based shear walls and the influence of loading rate</b>	Tanzila Aktar Shawon, Akter Mahmud, Mohammad Mizanur Rahman, Michio Ubaura, Masudur Rashied <b>Evaluating Earthquake Vulnerability Using Analytical Hierarchy Process (AHP) and Social Appraisal of Retrofitting in Lalmatia, Dhaka</b>		Luka Lulić, Tvrtko Renić, Michele Škofič, Ivan Hafner, Tomislav Kisiček, Mislav Stepinac <b>Damage assessment after the Zagreb earthquake - The case study of the educational building</b>	
	Matej Šodan, Boris Trogrlić, Damir Foretić, Antonio Munjiza, Ivan Balić, Hrvoje Smoljanović <b>FEM DEM FAILURE ANALYSIS: BELL TOWER OF CHURCH OF ST. FRANCIS OF ASSISI ON KAPTOL IN ZAGREB</b>			Ivan Hafner, Tomislav Kišiček, Tvrtko Renić, Karlo Ožić <b>An insight into The Masonry Quality Index (MQI) method for the visual assessment of existing masonry structures</b>	
13:00 - 14:00	Lunch break				





	Great hall	Room 121	Room 221	Room 216	Faculty hall
	Session 3A- Seismic Performance of Structures	Session 3B - Seismic Performance of Structures (infil frames)	Session 3C - Seismic Performance of Structures (bridges)	Session 3D- Seismic Performance of Structures	Session 3F -Post Disaster Recovery and Reconstruction (architects)
	<b>Željana Nikolić</b> Estimation of the seismic capacity of civil engineering structures	<b>Filip Anić, Davorin Penava, Ivica Guljaš, Tihomir Dokšanović</b> Out-of-Plane Behaviour of Masonry Infilled RC Frames with Openings under Cyclic Loading	<b>Zlatko Šavor, Nijaz Mujkanović, Gordana Hrelja Kovačević, Anđelko Vlašić, Mladen Srbić</b> Seismic designs of some recent bridges created by the Bridge Department of Zagreb Faculty of Civil Engineering	<b>Vlatka Rajčić, Jure Barbačić, Nikola Perković</b> Seismic and energy renovation of masonry or RC framed buildings with prefabricated timber or composite timber panels	<b>Zrinka Barišić Marenić</b> Izazovi obnove Zagreba i okruženja nakon potresa 2020. godine
	<b>Zeljko Zeljko Zugic, Sandra Nedeljkovic, Dejan Dragojevic, Marko Marinkovic</b> Pilot activity - rapid seismic risk assessment of school buildings in Serbia	<b>Arkadiusz Kwiecień, Zoran Rakicevic, Aleksandra Bogdanovic, Theodoros Rousakis, Alper Ilki, Matija Gams, Alberto Viskovic, Filip Manojlovski, Angela Poposka, Antonio Soklarovski</b> PUFJ and FRPU earthquake protection of infills tested in resonance	<b>Maria Gabriella Castellano, Alberto Dusi</b> SEISMIC ISOLATION OF BRIDGES THROUGH CURVED SURFACE SLIDERS AND VISCOUS DAMPERS	<b>Andrea Roncari, Blériot V. Feujofack K., Cristiano Loss</b> Modal Response Spectrum Analysis of Cross-Laminated Mid-Rise Timber Buildings Equipped with Multiple Shear Slotted-In Steel Plates Connections	<b>Ivana Katurić, Sven Šimov, Mario Gregar</b> Pristup integriranoj urbanoj revitalizaciji Urbane aglomeracije Zagreb nakon potresa 2020. godine
14:00 - 15:30	<b>Zhivko Bozhinovski, Golubka Necevska-Cvetanovska, Roberta Apostolska, Elena Delova, Aleksandar Zlateski</b> IZIS Methodology for Design, Repair and Strengthening of Earthquake Resisting Masonry and Reinforced Concrete Structures	<b>Davorin Penava, Lars Abrahamczyk, Filip Anić, Muhammad Hisham Al Hanoun, Melad Haweyou, Jochen Schwarz</b> The M6.4 Durrës (Albania) 2019 Earthquake Damages to Masonry Infilled RC Frame Buildings in Correlation with Shaking Table Tests	<b>Jelena RISTIC, Ragip BEHRAMI, Danilo RISTIC</b> UPGRADING OF ISOLATED BRIDGES WITH VERTICAL FIXED ENERGY DISSIPATION DEVICES: SHAKING TABLE SEISMIC TESTS	<b>Mladen Čosić, Radomir Folić</b> Modelling of Damping Effects in Soil-Structure Interaction for Pushover Analysis	<b>Mark Mišević</b> Urban Renewal of the City of Zagreb
	<b>Mustafa Hrasnica, Senad Medic</b> Seismic Response of Unreinforced Masonry Buildings from 1950's	<b>Qudratullah Sharafi, Ahmad Naqi, Taiki Saito</b> Effect of Brick Masonry Infill Walls on Seismic Performance of Reinforced Concrete Frame Structures in Afghanistan	<b>Benazir Ahmed, Kaustubh Dasgupta</b> SYSTEM-LEVEL SEISMIC FRAGILITY ASSESSMENT OF MULTISPAN CONTINUOUS INTEGRAL ABUTMENT BRIDGES	<b>Suzana Ereiz, Ivan Duvnjak, Domagoj Damjanović, Joško Krolo, Marko Bartolac</b> ANALYSIS OF SEISMIC ACTION OF THE TIE ROD SYSTEM IN HISTORICAL BUILDINGS	<b>Ivana Podnar, Iva Kostešić, Fedja Vukić</b> (De)construction of urban identity - counter-image as symbolic capital
	<b>Patricio Andrés Pineda Nalli</b> ANALYSIS OF THE INTENSITY TENSOR IN CHILE SUBDUCTION EARTHQUAKES	<b>Amar Kadić, Senad Medić, Davorin Penava</b> Macromodel of reinforced concrete frame with masonry infill for detailed assessment of structural performance	<b>Emad Abraik</b> Examining the yielding displacement of pier bridges equipped with shape memory alloy rebars	<b>Yeraly Shokbarov, Gani Temiraliuly</b> EXPERT ASSESSMENT OF SEISMIC SAFETY OF BUILDINGS AND STRUCTURES IN ALMATY	<b>Jasna Grujoska, Veronika Shendova</b> THE ROLE OF ARCHITECT IN EARTHQUAKE PROTECTION OF CULTURAL HERITAGE
	<b>Matea Sruk, Marija Demšić, Maja Baniček:</b> Out-of-plane wall failure of a typical downtown building in Zagreb	<b>Zoran Trajčevski, Golubka Necevska-Cvetanovska</b> THE ROLE OF MASONRY INFILL IN SEISMIC BEHAVIOR OF RC BUILDINGS	<b>Viktor Hristovski, Marija Vitanova, Nikola Hristovski</b> EXPERIENCES IN SEISMIC DESIGN OF STRUCTURAL BEARINGS AND EXPANSION JOINTS FOR RC BRIDGES ACCORDING TO EUROCODES		<b>Zora Maštrović, Marko Jambreč, Ljubomir Mišević, Zdravko Živković</b> ANCIENT AND TRADITIONAL KNOWLEDGE OF THE EARTHQUAKE PROTECTION (An Insight into Why Maharishi Vastu Buildings Create an Influence of Invincibility)
			<b>Iralda Khaferaj, Neritan Shkodrani</b> SEISMIC ASSESSMENT METHOD FOR EXISTING REINFORCED CONCRETE BRIDGES IN ALBANIA		<b>Željko Uhlir</b> Strateški pristup projektu obnove nakon potresa u Zagrebu i pravni okvir za provedbu
	Great hall	Room 121	Room 221	Room 216	
	Session 4A - Seismic Performance of Structures (non structural)	Session 4B - Seismic Performance of Structures (RC frames)	Session 4C - Seismic Performance of Structures (bridges)	Session 4D - - Seismic Performance of Structures (seismic isolation)	
	<b>Marko Marinković, Svetlana Brzev, Markel Baballëku, Brisid Isufi, Nikola Blagojević, Ivan Miličević</b> OUT-OF-PLANE BEHAVIOUR OF LOAD BEARING AND NON-STRUCTURAL MASONRY WALLS DURING RECENT EARTHQUAKES	<b>Francesco Pugliese, Luigi Di Sarno</b> Probabilistic Seismic Assessment of existing RC framed structures under earthquake sequences and exposed to pitting corrosion	<b>Gordana Hrelja Kovačević, Mladen Srbić, Ana Mandić Ivanković</b> Seismic performance of existing bridges in Croatia - shortcomings, hidden reserves and vulnerability assessment perspective	<b>Nikolin Hima, Maria Gabriella Castellano</b> SEISMIC ISOLATION OF BUILDINGS IN CROATIA	
	<b>Wilson Carofilis Gallo, Bryan Chalarca Echeverri</b> Comparative study of estimation methodologies for the seismic demand on acceleration-sensitive nonstructural elements	<b>Aleš Jamšek, Matjaž Dolšek</b> Improved fish-bone model: a simplified structural model for seismic analysis of older and contemporary reinforced concrete frames	<b>Nina Čeh, Han Qin, Gordan Jelenić, Luyu Li</b> Modes of oscillation of long-span structures subjected to multiple support earthquake excitation	<b>Milovan Stanojev, Radomir Folić</b> COMPARATIVE BEHAVIOUR ANALYSIS OF FIXED AND BASE ISOLATED RC BUILDING DURING SEISMIC EVENT	
15:45 - 16:45	<b>David Antolinc, Vlatko Bosiljkov</b> Seismic behaviour and design provisions for contemporary masonry chimney systems	<b>Ion Sococol, Petru Mihai, Nicolae TARANU, Ionut Ovidiu Toma, Mihai BUDESCU</b> AN ALTERNATIVE APPROACH TO IMPROVE THE CAPACITY DESIGN CONCEPT FOR MOMENT RESISTING REINFORCED CONCRETE (RC) FRAME SYSTEMS	<b>RISTIC Jelena, BEHRAMI Ragip, RISTIC Danilo</b> UNIFORM UPGRADING OF ISOLATED BRIDGES WITH VERTICAL MULTI GAP ENERGY DISSIPATION DEVICES: SEISMIC SHAKING TABLE TESTS	<b>George TARANU, Nicolae TARANU, Ionut-Ovidiu TOMA</b> Shake Table test of a Structural Model made of Glass Fiber Reinforced Mineral Matrix Composite	
	<b>Lidija Krstevska, Aleksandra Bogdanović, Robert Rimboeck, Angela Poposka, Filip Manojlovski, Antonio Shoklarovski, Igor Markovski, Nikola Naumovski, Dejan Filipovski</b> Shake table tests for seismic assessment of nonstructural elements	<b>Borjan Petreski, Igor Gjorgjiev</b> ANALYTICAL MODEL VERIFICATION FOR IMPROVED PERFORMANCE-BASED DESIGN OF MOMENT RESISTING FRAMES	<b>Mladen Bulić, Mehmed Čaušević</b> Retrofit of Bridges for an Earthquake Resilient Society	<b>Maria Gabriella Castellano</b> SEISMIC ISOLATION OR SUPPLEMENTAL ENERGY DISSIPATION FOR SEISMIC RETROFIT OF BUILDINGS	
	<b>Matthias Roik, Caroline Piesker</b> Technical Recommendations for Fixing of Façades in Seismic Zones	<b>Besar Abdiu, Golubka Necevska-Cvetanovska</b> Comparative analysis of Eurocodes and Macedonian Codes - in terms of an example RC frame structure	<b>Arben Kulloraj</b> INTEGRATED EARTHQUAKE ALARM SYSTEM FOR MONITORING THE BRIDGES AND ROADS BY SFG-0 SENSOR AND RDM SENSOR	<b>Ferit Gashi, Franco Bontempi, Francesco Petrini</b> Component Tests, Fracture Simulation, and Experimental Study on Steel Damper for passive energy dissipation	
	<b>Caroline Piesker, Matthias Roik: Rehabilitation and Strengthening Methods for Masonry Façades</b>				
17:00 - 18:30	 <b>Keynote lecture</b> <b>Abhineet Gupta</b> Probabilistic seismic risk and resilience assessment				
	 <b>Keynote lecture</b> <b>Ting Lin</b> Multi-Hazard Sustainability (HazSus): From Earthquake to Climate Science and Engineering				

DAY 3 - Wednesday 24th March 2021					
9:00 - 11:00	 <b>Keynote lecture</b> Neritan Shkodrani Engineering characteristics of ground shaking and some aspects of soil liquefaction during Durres earthquake				<b>Keynote practice lectures</b>  <b>Faculty hall</b>  Special Session II - (Ambassadors) session 6 - Seismic certificate (representatives from Embassy of Italy, Japan, India and Slovenia) Kamal Kishore : Building Disaster and Climate Resilient Infrastructure in 21st Century: oportunities and challenges
	 <b>Keynote lecture</b> Ina Cević The role and importance of historical earthquakes and macroseismological studies				
	 <b>Keynote lecture</b> Marijan Herak 110 years of engineering seismology and earthquake engineering in Croatia				
11:30 - 13:00	<b>Great hall</b>	<b>Room 121</b>	<b>Room 221</b>	<b>Room 216</b>	
	Session 5A - Engineering and General Seismology	Session 5B - Geo-aspects of Earthquake Engineering	Session 5C - Seismic Performance of Structures (behaviour)	Session 5D - Seismic Performance of Structures (practice selected)	
	Radmila Salic, Zoran Milutinovic, Daniel Tomic, Jovan Trajceviski, Mirko Dimitrovski, Zabedin Neziri Seismic Hazard Zonation and Seismic Design Codes. A Regional Perspective.	Tsutomu Ochiai, Takahisa Enomoto, Shigeki Senna Study of ground amplification characteristics by strong motion and microtremor observations - A simple study on ground nonlinearity by equivalent linear analysis	Ahmad Naqi, Taiki Saito Performance of a buckling-restrained braced RC high-rise building under successive application of wind-earthquake scenarios	Mario Uroš, Marija Demšić, Marta Šavor Novak, Josip Atalić, Maja Baniček: Case-study of typical residential building in Lower town in the city of Zagreb	
	Irena Gjorgjeska GEOPHYSICAL SITE CHARACTERIZATION FOR STRONG MOTION STATIONS. A CASE STUDY IN NORTH MACEDONIA	Julijana Bojadjeva, Kemal Edip, Vlatko Sheshov, Irena Gjorgjeska, Toni Kitanovski, Dejan Ivanovski, Borce Veljanovski IZIIS in situ Geo Laboratory	João Alves, Ildi Cismasiu, Teresa Santana Seismic performance of a RC building founded on soft stratified soils	Veronika Shendova, Aleksandar Zlateski, Goran Jekic INOVATIVE TECHNIQUE FOR SEISMIC RETROFITTING OF TRADITIONAL MASONRY BUILDINGS	
	Naida Ademovic, Snježana Cvijić-Amulić: Data analysis for national parameters in compliance with EC8 in Bosnia and Herzegovina	Kemal Edip, Vlatko Sheshov, Julijana Bojadjeva, Irena Gjorgjeska, Toni Kitanovski, Dejan Ivanovski Pore pressure effects in seismic simulation of an earth dam	Ivan Kraus, Ana Perić, Jelena Kaluder, Lucija Kraus Seismic behavior of traditional Croatian earth architecture: a case study	Lampros Koutas, Christos Papakonstantinou TEXTILE-REINFORCED GEOPOLYMER MORTAR FOR STRENGTHENING REINFORCED CONCRETE ELEMENTS: PILOT STUDY ON MORTAR DEVELOPMENT	
	Snježan Prevolnik, Snježana Markušić, Ines Ivančić Strong ground motion records of the Zagreb earthquake of 22 March 2020	Nicola Rossi, Mario Bačić, Meho Saša Kovačević Evaluation of seismic resilience of levees through development of fragility curves	Nikola Vladimir, Ivo Senjanovic Seismic design of emergency machinery foundation for nuclear power plants	Engin Cuneyt Seyhan PRACTICAL APPLICATIONS OF FIBER REINFORCED POLYMERS IN RETROFITTING OF RC AND MASONRY STRUCTURES	
	Helena Latečki, Josip Stipčević, Irene Molinari Seismic shaking scenarios for city of Zagreb, Croatia	Piotr Kowalczyk New insight on seismic soil-structure interaction: amplification of soil generated high frequency motion on a kinematic pile	George Papagiannopoulos, Foteini Konstandakopoulou, George Hatzigeorgiou, Nikos Pnevmatikos, Panagiota Katsimpini On the seismic behavior of steel buildings, designed according to Eurocode 8 provisions, when subjected to near-fault or to long duration seismic motions	Naser Kabashi, Enes Krasniqi, Milot Muhaxheri Assessment and numerical analyses of a poorly realized concrete elements under earthquake induced loading - Case Study: Durres Earthquake	
	Marijan Herak, Davorka Herak, Mladen Živić Which one of the three latest large earthquakes in Zagreb was the strongest - the 1905, 1906 or the 2020 one?	Tvrtko Korbar, Snježana Markušić, Matija Vukovsk, Davor Stanko PETRINJA M6.2 EARTHQUAKE IN 2020 DAMAGED ALSO SOLID LINEAR INFRASTRUCTURE: ARE THERE SIMILAR ACTIVE FAULTS IN CROATIA?	Roberta Apostolska, Adamantia ATHANASOPOULOU, Maria Luisa Sousa, Silvia Dimova Adoption and implementation of Eurocode 8 as national standard for seismic design in the Balkan countries	Marko Dabrović VOLUM3 Collaboration platform	
	Miklos Kazmer, Rosana Škrkulja The 4th century Siscia earthquake - archaeoseismological evidence	Nikola Naumovski, Viktor Hristovski, Lidija Krstevska In-situ measurments and numerical modeling of railway traffic-induced ground vibrations in urban areas	Frančeska Brkić, Mario Uroš Seismic analysis of the stone masonry building in the Korčula archipelago	Sponsors Samoborka / Spegra	
13:00 - 14:00	Lunch break				



	Great hall	Room 121	Room 221	Room 216	Faculty hall
	Session 6A - General session	Session 6B Geo-aspects of Earthquake Engineering	Session 6C - Seismic Performance of Structures	Session 6D - Seismic Performance of Structures (practice selected)	Presentation od book
14:00 - 15:30	Chiara Scaini, Valerio Poggi, Bojana Petrovic, Elisa Venturini, Stefano Parolai From seismic alert to near real-time products: an overview of OGS research activities and operational services in northeastern Italy	Mario Bacic, Meho Sasa Kovacevic, Lovorka Libric, Petra Zuzul Sinkholes induced by the Petrinja M6.2 earthquake and guidelines for their remediation	Trajche Zafirov, Viktor Hristovski BEHAVIOR OF RC FRAME STRUCTURES WITH ADDED FLOORS MADE OF DIFFERENT MATERIALS SUBJECTED TO SEISMIC LOADINGS	Dimitar Jurukovski, Predrag Gavrilovic, Zoran Rakicevic, Aleksandra Bogdanovic DESIGN PROCEDURE FOR COMPLEX STRUCTURES UNDER DYNAMIC LOADS	Presentation of a new book created after the Zagreb 2020 earthquake, which gathered most of the knowledge needed for a successful reconstruction
	Dario Jozinović, Alberto Michelini, Ivan Štajduhar, Anthony Lomax Rapid prediction of earthquake ground shaking intensity using raw waveform data and a Convolutional Neural Network	Glenda Abate, Sebastiano Corsico, Maria Rosella Massimino The role of the soil heterogeneity in the seismic response of tunnel-soil systems	ILIR HETEMI, Golubka Nechevska-Cvetanovska LATERAL BEHAVIOR OF LOW AND MIDDLE RISE BUILDINGS WITH FLAT SLABS	Tomislav Kišiček, Mislav Stepinac, Tvrtko Renić, Ivan Hafner, Luka Lulić Calculation of masonry in-plane shear strengthening	
	MOHELDEEN HEJAZI, Serra Tinbir, Pooya ghaffari khalifani, Ali Sari A MACHINE LEARNING FRAMEWORK FOR AUTOMATED GROUND MOTION PREDICTION	Adriana Brandis, Ivan Kraus, Simon Petrovčič Simplified method for modelling of compliant soil with comparison to experimental results	Gabrijela Starešinić, Blaž Zoubek, Matija Gams, Tatjana Isaković, Matej Fischinger In-plane seismic response of a fastening system for horizontal concrete cladding panels in RC prefabricated buildings	Hektor Cullufi, Drilona Disha The impact of non-compliance with design rules according to code designs of structures in seismic areas	
	Tomislav Petrovski SEISMIC MICROZONING PARAMETERS FOR URBAN DEVELOPMENT PLANNING BASED ON DAMAGE CONTROL CRITERIA	Kemal Edip, Aleksandra Bogdanovic, Radmila Shalic, Marta Stojmanovska (in review) Improved SSI analysis based on UHS time history selection	Ivan Dimitrov, Golubka Nechevska-Cvetanovska DISADVANTAGES OF RC BUILDING STRUCTURES WITH A SOFT STOREY	Dragan Manojlović, Đorđe Ladinović, Vladimir Vukobratović Seismic Retrofit of an Existing Grammar School Masonry Building	
	Marija Mustać, Ina Cević, Helena Latečki, Iva Dasović Social media as a tool for providing information following a hazardous event: „Zagrebački potres 2020 – vaše info za seizmologe“ Facebook group case	Jure Atanackov, Petra Jamšek Rupnik, Miloš Bavec, Jernej Jež, Bogomir Celarc, Vanja Kastelic, Blaž Milanič, Anže Markelj Database of active faults in Slovenia: geologic input into seismic hazard assessment at national scale	Ionut Ovidiu Toma, Ioana-Sorina Entuc, Ozana-Adnana Petcu, Nicolae Taranu, Aliz-Eva Mathe, George Taranu, Petru Mihai Numerical investigations on the seismic performance of a scaled-down RC frame structure pre- and post-strengthening with composite membrane	Elena Manzoni, Alberto Dusi STUDIES AND INTERVENTION ON ROCCA OF SISSA	
	Irena Gjorgjeska, Vlatko Sheshov, Kemal Edip, Julijana Bojadjeva Combined seismic methods for 3D modeling of quarternary deposits: application to Skopje sedimentary basin	Helene Hofmann, Armin Roduner, Vjekoslav Budimir Slope stabilization in earthquake prone environment - the TECCO® System	Milos Stokuca, Golubka Nechevska-Cvetanovska INFLUENCE OF PANELS ON BUILDING BEHAVIOR	Predrag Gavrilovic, Dimitar Jurukovski, Zoran Rakicevic, Aleksandra Bogdanovic Structural Design for Seismic Action, or Wind Action, or Bouth. Case Study	
	Maria Valasaki, George Ristas, Christos Papakonstantinou FRP-Confined Concrete Analytical Axial Stress Model Evaluation	Ivan Muhovec, Matija Orešković A reflection of the interdependency between the foundation assembly and the building exposed to earthquake oscillation (waiting review)	Miloš Čokić, Boris Folić, Radomir Folić ROBUSTNESS AND FRAGILITY OF THE RC BUILDING DESIGNED ACCORDING TO YU-81 AND EUROPEAN STANDARDS	Zoran Petraskovic, Žarko Petrašković MASS REPAIR AND REHABILITATION OF MASSIVE MASONRY STRUCTURES DAMAGED BY EARTHQUAKE USING STEEL ELEMENTS AND SPECIAL DEVICES FOR HYSTERISE VIBRATION DAMPING	
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	Great hall	Room 121	Room 221	Room 216
	Session 7A - Lessons Learnt from Earthquakes	Session 7B- Geo-aspect of Earthquake Engineering	Session 7C - Immediate Post-Disaster Response	Session 7D - Seismic Performance of Structures (practice selected)
15:45 - 16:45	Nina Serdar, Jelena Pejovic 40 years after Montenegrin earthquake : leasons learned and future chalanges	Božo Padovan, Laszlo Podolszki, Tomislav Novosel, Igor Sokolić, Ivica Sović, Ivan Kosović, Nina Pivčević Seismic and geological zonation of the part of the City of Zagreb area	Ivo Haladin, Mislav Stepinac, Mateo Gašparović, Nenad Trifunović, Milan Domazet Rapid post-earthquake damage assessment platform based on UAV and GIS	Shala Alush, Jelena Bleiziffer Assessment, repair, rehabilitation and strengthening of earthquake-damaged buildings
	Marina Poposka, Dragi Dojcinovski, Marta Stojmanovska, Irena Gjorgjeska, Goran Chapragoski MAVROVO EARTHQUAKE, EXPERIENCE AND DYNAMIC STRUCTURAL RESPONSE	Petra Jamšek Rupnik, Jure Atanackov, Miloš Bavec Paleoseismological evidence for large past earthquakes on reverse and strike-slip faults in Slovenia: Examples from the Idrija and Vodice faults	Mario Dobrilović, Vječislav Bohanek ROLE OF BLASTING TECHNOLOGY IN REMOVAL OF THE PART OF NORTHERN TOWER OF ZAGREB CATHEDRAL	Zlatko Džanić, Mustafa Hrasnica, Senad Medić Optimization of the Reinforced Concrete Structural Systems Under Seismic Load
	Azin Shahkar, Caner Gocer, Oguz C. Celik Overview of Post-Earthquake Housing Alternatives for Enhanced Architectural and Structural Performances	Mladen Garašić, Davor Garašić Earthquakes in Caves (waiting review)	Tihomir Tandarić, Mladen Fusić HRVATSKA VOJSKA I PRIRODNE KATASTROFE	Davor Uglešić, Ante Uglešić: Structural Natural Frequencies Assessment and Application in SHM and the Calibration of FEM Models
	Sonja Zlatovic, Igor Gukov EDUCATION OF FUTURE CIVIL ENGINEERS, CIVIL ENGINEERS, COLLEAGUES OF OTHER PROFESSIONS AND PUBLIC	Danijel Šugar, Željko Bačić Kinematic effects of M5.5 Zagreb earthquake assessed by GNSS method supported by Galileo satellite system	Marko Šimić, Zvonko Sigmund The role of military forces in crisis - example of Zagreb earthquake 2020	Davor Uglešić, Ante Uglešić Reinforcement of Stone Masonry Walls with Carbon Fibers Textile and Tapes
		Mladen Viher, Ivona Žiža, Branimir Radun, Ivan Tomljenović, Matko Čvrljak, Vladimir Kušan, Josip Vuković, Lana Knežević GEOINT in Natural and Technical Disasters	Igor Magdalenić, Dijana Paljug MODERN TECHNOLOGIES IN SUPPORT OF THE CIVIL PROTECTION SYSTEM	Anjeza Gjini, Hektor Cullufi, Princ Xhika Structural analysis of a RC building failure caused by the earthquake of 26th November in Durrës, Albania
		Tomislav Gregurić, Matija Orešković, Alberto Pasquetto, Eda Fett Povećanje potresne otpornosti ojačanjem temeljnog tla objekata (waiting review)		
17:00 - 18:30	Great hall			
	 <b>Keynote lecture</b> Mladen Vučetić Critical review of the cyclic soil behavior and the input soil parameters and relationships for the seismic site response analyses and evaluation of liquefaction			
19:00	 <b>Keynote lecture</b> Ross Stein			
	Closing ceremony			

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