

13:30 - 14:30	ESC Executive Committee & LOC meeting "HUMAN RIGHTS" Hall - Floor P
14:30 - 16:00	EAAE & ESC Executive Committees joint meeting "HUMAN RIGHTS" Hall - Floor P
18:00 - 20:00	Welcome cocktail - Lobby

Monday 5 September 2022

09:00 - 10:00	OPENING CEREMONY - "Unirii" Hall, Floor P
10:00 - 10:45	ESC OPENING PLENARY - "Unirii" Hall, Floor P
10:45 - 11:30	JOINT KEYNOTE LECTURE: Prof. Nicholas N. Ambraseys Keynote Lecture MAURO DOLCE - <i>Earthquake and Structural Engineering Science for Civil Protection</i> "Unirii" Hall, Floor P - Chairperson: Kyriazis Pitilakis, Radu Văcăreanu
11:30 - 11:45	Coffee Break

	ESC Sessions "C.A. ROSETTI" Hall Floor S1	ESC Sessions "NICOLAE BĂLCESCU" Hall Floor P	EAAE/ESC Sessions "MIHAI VITEAZU" Hall Floor P1	EAAE Sessions "UNIRII" Hall Floor P	EAAE Sessions "NICOLAE IORGA" Hall Floor P	EAAE Sessions "HUMAN RIGHTS" Hall Floor P
11:45 - 12:00	<p>ESC - Session 01 Old seismograms / new knowledge: Preservation and use of legacy seismograms - A Joint SSA-ESC session <i>Conveners: Josep Batlló, Lorraine Hwang, Raphael de Plaen, Allison Bent (PART I)</i></p> <p>ESC Invited Lecture: Lorraine J. Hwang <i>Seize the Digital Age with Analog Seismograms</i></p>	<p>ESC - Session 06 Advances in Probabilistic Seismic Hazard and Risk Assessment: Insights from Local, National and Regional Models <i>Conveners: Danciu Laurentiu, Fabrice Cotton, Helen Crowley, Päivi B. Mäntyniemi, António Araújo Correia, Olga-Joan Ktenidou, Celine Beauval (PART I)</i></p> <p>8172: The 2020 national seismic hazard maps for the UK National Annex to the revision of the Eurocode 8 ∞ <i>Ilaria Mosca, Susanne Sargeant, Brian Baptie, Roger M.W. Musson and Tim Paroah</i></p>	<p>ESC - Session 32 Development of unconventional sensors for cutting-edge research in observational seismology <i>Conveners: Valerio Poggi, Juan José Gallana-Merino, Jacopo Boaga, Philippe Gueguen, Stefano Parolai</i></p> <p>ESC Invited Lecture: Valeria Cascone <i>Seismic detection efficiency of a new inexpensive MEMS sensor prototype: application to micro-seismicity and distant moderate earthquakes</i></p>	<p>EAAE Theme Lecture: Paolo Negro The challenge of the integrated seismic strengthening and environmental upgrading of existing buildings Chairperson: Ihsah Engin Bal</p>	<p>EAAE Theme Lecture: Anastasio Sextos Large-scale testing for enhancing the resilience of schools in seismic regions: challenges and cost-efficient solutions Chairperson: Andreas Kappos</p>	
12:00 - 12:15		<p>ESC - S06 0134 - A Preliminary Probabilistic Seismic Hazard Assessment for Boeotia (Central Greece) ∞ <i>Angelos Zymvragakis, George Kaviris, Vasiliki Kouskouna and Nicholas Voulgaris</i></p>				
12:15 - 12:30	<p>ESC - S01 6981 - Case Study Vienna: Integration of data from a single analogue seismogram for improving earthquake location ∞ <i>Maria-Theresia Apoloner</i></p>	<p>ESC - S06 4677 - Influence of the local site effects on the Italian seismic risk maps ∞ <i>Fabio Sabetta, Gabriele Fiorentino, Gaetano Falcone, Martina Sinibaldi and Gianmarco de Felice</i></p>	<p>ESC - S32 0464 - The TURNkey European Testbeds for Consistent Real-time Monitoring of Seismic Ground Motion and Other Geophysical Markers ∞ <i>Benedikt Halldrósson, Stefan Balan, Pierre Gehl, Nikolaos S. Melis, Barbara Borzi, Elmer Ruigrok, Mario Martinelli, Bernd Weber, Davide Curane and Johannes Schweitzer</i></p>	<p>EAAE - ES SGM Engineering Seismology and Strong Ground Motions <i>Conveners: Pierre-Yves Bard, Hiroshi Kawase</i></p> <p>7244 - A preliminary evaluation of using hazard-consistent real and simulated ground motions for structural response assessment <i>Nevena Sipic, Pablo García de Quevedo Iñarritu, Luis Alvarez-Sanchez, Mohsen Kohrangji and Paola Bazzurra</i></p>	<p>EAAE - GEE Geotechnical Earthquake Engineering <i>Conveners: Atilla Ansal, Anastasio Sextos</i></p> <p>9062 - A new framework to account for SSI and site amplification in the city-scale risk analyses ∞ <i>Chiara Amendola and Dimitris Pitilakis</i></p>	<p>EAAE - SADBBS Seismic Analysis and Design of Buildings and Structures <i>Conveners: Jhon Paul Smith Pardo, Ovidiu Prodan</i></p> <p>7213 - Seismic design of elevator systems in base isolated structures ∞ <i>Luis Guerreiro, Jorge Proença and Paulo Silva</i></p>
12:30 - 12:45	<p>ESC - S01 2219 - Legacy-Seismic-Data: A Website for Discovering Digital Analog Seismograms ∞ <i>Lorraine Hwang and Denise Kwong</i></p>	<p>ESC - S06 2585 - A quantitative assessment of empirical ground motion models performance against a worldwide dataset of near-source records ∞ <i>Angela Chiechio, Roberto Paolucci and Manuela Vanini</i></p>	<p>ESC S32 2680 - Distributed Acoustic Sensing (DAS) monitoring of an inland active tectonic area: the Southern Apennines, Irpinia Fault system ∞ <i>Gaetano Festa, Alistar Trabattani, Roberto Longo, Pascal Bernard, Guy Plantier, Aldo Zollo and Angelo Strollo</i></p>	<p>EAAE - ES SGM 4494 - A provisional seismic source zonation of Iceland for the ESHM20 based on new physics-based bookshelf fault system models and a revised earthquake catalogue <i>Benedikt Halldrósson, Milad Kowsari, Farnaz Bayat, Claudia Abiri, Atefe Darzi, Bjarni Bessason and Jónas Þór Snæbjörnsson</i></p>	<p>EAAE - GEE 1523 - Liquefaction Assessment of a Loose Silty Sand Site in the 2008 Mw 6.3 Ölfus Earthquake ∞ <i>Seyed Javad Fattahi, Elin Asta Ólafsdóttir, Sigurdur Erlingsson, Bjarni Bessason and Rajesh Rupakthety</i></p>	<p>EAAE - SADBBS 0673 - Experimental characterization of timber joist-masonry connections ∞ <i>Onur Arslan, Francesco Messali, Eleni Smyrou, Ihsan Engin Bal and Jan Gerrit Rots</i></p>
12:45 - 13:00	<p>ESC - S01 3521 - Seismic Patrimony Tutorial: Analog seismograms and related documentation ∞ <i>Maria Teresa Merino, Josep Batlló and Tana Andrades</i></p>	<p>ESC - S06 3036 - Comparing and Testing Probabilistic Seismic Hazard Models at National and Regional Scale: Examples from France, Germany and the ESHM20 ∞ <i>Graeme Weatherill, Fabrice Cotton, Guillaume Daniell, Irmela Zentner, Emmanuel Viallet, Dino Bindi, Riccardo Zaccarelli, Pablo Iurrieta and Christian Bosse</i></p>	<p>ESC - S32 2152 - Unconventional sensors and new technology integration in the monitoring of the Vrancea seismic region <i>Eduard Ilie Nastase, Nicusor Necula, Mihaela Nicoleta Jecu, Alexandra Muntean and Sorin Dimitriu</i></p>	<p>EAAE - ES SGM 2153 - Simulation of accelerograms specific to design hazard for Vrancea intermediate-depth earthquakes ∞ <i>Anabella Cotovanu and Radu Vacăreanu</i></p>	<p>EAAE - GEE 1077 - The Plaza Cathedral Case in Bucharest: Seismic Structure-Soil-Structure Interaction ∞ <i>Evangelia Garini, George Gazetas, Konstantinos Kanellopoulos and John Radhima</i></p>	<p>EAAE - SADBBS 0175 - Nonlinear structural design for a residential high-rise building ∞ <i>Dan Iancu, Ștefan Marin and Cristian Arian</i></p>
13:00 - 14:00	Lunch Break					

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14:00 - 14:45	JOINT KEYNOTE LECTURE: HRVOJE TKALČIĆ - A new journey to the Earth's inner core: a planet within the planet "Unirii" Hall - Chairperson: Päivi B. Mäntyniemi					
14:55 - 15:10	ESC - S01 - (PART II) 3802 - The Milne seismograph at the Geophysical and Astronomical Observatory of Coimbra University - 20th-century seismograms heritage ∞ Ana Gomes, Paulo Ribeiro, Joana Domingues, Fernando Figueiredo and Fernando Carlos	ESC - S06 - (PART II) 4353 - On the Calibration of a New Finite-Fault Bookshelf Fault System Model for Southwest Iceland ∞ Farnaz Bayat, Benedikt Halldorsson and Milad Kowsari	ESC - Session 31 Seismic site characterization onshore and offshore by single-station and array methods Conveners: Manuel Hobiger, Cécile Cornou, Agostiny Marrios Lontsi ⊕ 0184 : On the offshore site characterization in the shallow-water environment using seismic methods ∞ Anastasya Shynkarenko, Agostiny Marrios Lontsi, Katrina Kremer, Paolo Bergamo, Manuel Hobiger, Miroslav Halló, Paulina Janusz and Donat Fäh	EAAE Theme Lecturers: Alexandru Aldea GMPEs for Romania's Vrancea intermediate depth seismic source Chairperson: Sinan Akkar	EAAE Theme Lecturers: Stefano Pampanin NextGen Building Systems - S4: Seismically Safer, Sustainable and Smart - Raising the Bar to Enhance Community Resilience and Sustainability Chairperson: Paolo Negro	
15:10 - 15:25	ESC - S01 5375 - A new census for legacy seismological data ∞ Josep Batlló, Raphael De Plaen and Thomas Lecocq	ESC - S06 0817 - Comparative seismic risk assessment of the residential buildings for a strong earthquake scenario in Iceland using local vs. global models ∞ Atefe Darzi, Bjarni Bessason, Benedikt Halldorsson and Majaaba Moosapoor	ESC - S31 7897 - Combining active and passive seismic methods for non-invasive site characterization of the Belgian seismic network ∞ Martin Zeckra, Koen Van Noten and Lecocq Thomas			
15:25 - 15:40	ESC - S01 5954 - Extracting Microseismic Ground Motion From Legacy Seismograms ∞ Raphael De Plaen, Thomas Lecocq, Polina Lemenkova, Olivier Debeir, Fabrice Ardhuin and Marine De Carlo	ESC - S06 0142 - Performance Evaluation of Cumulative Absolute Velocity (CAV) Prediction Models for the New Turkish Strong Motion Database ∞ Tuğçe Tetik, Burak Akbaş, Gülüm Tanırca and Zeynep Gülerce	ESC - S31 1757 - Extension of shear-wave velocity profiles using the Hybrid Heuristic Search Inversion algorithm at Swiss seismic stations ∞ Dario Chieppa, Manuel Hobiger, Fumiaki Nagashima, Hiroshi Kawase and Donat Fäh	EAAE - ES SGM 3460 - Ground motion directionality effects on inelastic spectral displacements ∞ Savvinos Aristeidou, Karim Tarbali and Gerard J. O'Reilly	EAAE - GEE 7972 - Kinematic interaction forces in rigid inclusions under seismic loading ∞ Yuxiang Shen, Jesús Pérez-Herreras, Fahd Culra, Jean-François Semblat and Sébastien Burlon	EAAE - SADBBS 1821 - Study on the influence of fault displacement on long span cable-stayed bridge considering uncertainties ∞ Tomohiko Nishihara, Hiroki Sugiyama, Masato Teraoka and Miki Nishimura
15:40 - 15:55	ESC - S01 2022 - Recovering seismic data of the last century in Banat region (Romania) by re-evaluating historical recordings ∞ Adina Vancu Rav, Mihaela Popa, Mircea Radulian, Cristian Neagoe and Mihail Lungu	ESC - S06 7033 - Effects of Input Parameters on the Probabilistic Seismic Hazard Assessment Results: A Case Study for Georgia, Sakartvelo ∞ Nino Tsereteli, Laurentiu Danciu, Tatia Sharia, Irine Khvedelidze, Otar Varazashvili, David Svanadze, Andreas Rietbrock and Birgit Müller	ESC - S31 3416 - Noise cross correlation performed on a micro-seismicity monitoring network ∞ Ilaria Barone, Sergio Del Gaudio, Giorgio Tango, Valeria Cascone, Simone Re and Alessandra Brovelli	EAAE - ES SGM 6174 - 3D Seismic Network in urban environment - case study, Ohrid, North Macedonia ∞ Aleksandra Bogdanovic, Zoran Rakicevic, Julijana Bojadjevic, Lidija Krstevska, Angela Paposka, Filip Manojlovski, Antonio Shoklarovski, Igor Markovski, Dejan Filipovski and Nikola Naumovski	EAAE - GEE 2082 - Site categorization and spectral amplification factors in the 2022 draft of Part 1-1 of Eurocode 8 ∞ Roberto Paolucci	EAAE - SADBBS 7181 - The influence of overstrength of structure to the seismic design ∞ Dimitris Fragiadakis, Pnevmatikos Nikos and Styliani Papatzani
15:55 - 16:10	ESC - Session 25 Seismological and geophysical investigation for imaging shallow geological structures and site-specific seismic hazard applications: challenges and perspectives Conveners: Sebastiano D'Amico, Francesco Panzera, Stefano Parolai, Fabio Villani ⊕ 9263 - Shear-wave velocity profiles and their relationship with empirical amplification functions ∞ Francesco Panzer a, Dario Chieppa, Paolo Bergamo, Affja Imtiaz, Valerio Poggi and Donat Fäh	ESC - S06 4494 - A provisional seismic source zonation of Iceland for the ESHM20 based on new physics-based bookshelf fault system models and a revised earthquake catalogue ∞ Benedikt Halldorsson, Milad Kowsari, Farnaz Bayat, Claudia Abril, Atefe Darzi, Bjarni Bessason and Jónas Þór Snæbjörnsson		EAAE - ES SGM 7046 - SIGMA: a software tool to simulate non-stationary ground motions for engineering applications ∞ Gabriele Fiorentino	EAAE - GEE 8408 - Applicability of a Simple Constitutive Model for Three-Dimensional Finite Element Analysis on Dynamic Soil-Structure Interaction Problem ∞ Hiroto Nakagawa, Hisatoshi Kashiwa and Shoichi Nakai	EAAE - SADBBS 3438 - Ultimate cyclic response of steel reduced beam section connections ∞ Dan V. Bomp a and Ahmed Y. Elghazouli
16:10 - 16:30	Coffee Break					
16:30 - 16:45	ESC - S25 4775 - First 3D characterization of the Rhône Messinian Canyon in the Tricastin area from complementary geophysical approaches ∞ Bérénice Froment, Edward Marc Cushing, Céline Gélis, Nanaba Bagoyako, Sophie Beauprêtre, Pierre Boué, Damien Da Couto, Olivier Magnin, Ludovic Mochachin, Aurélien Nordret, Jean-Loup Rubino and Alexandre Tourette	ESC - S06 - (PART III) 8696 - Earthquake Forecasting Model in Albania ∞ Edlira Xhafaj, Chung-Han Chan and Kuo-Fang Ma	ESC - Session 07 Advances in Statistical Seismology: from earthquake occurrence to risk assessment Conveners: Antonella Peresan, Elisa Varini, Katerina Orfanogiannaki, Peter Shebalin ⊕	EAAE - ES SGM 4448 - Rapid Earthquake Damage Assessment System in the Black Sea Basin: Selection/Adoption of GMPEs with Emphasis in the Cross-Border Areas ∞ Nikos Theodoulidis, Basil Margaris, Dimitris Sotiriadis, Can Zulfikar, Seyhan Okuyan Akcan, Carmen Ciolfan, Elena-Florinela Manea and Dragos Toma-Danila	EAAE - GEE Conveners: Kyriazis Ptilakis, Kemal Önder Çetin 4204 - Effect of irregular waves on liquefaction strength of sandy soil ∞ Keisuke Ishikawa, Susumu Yasuda and Kousuke Oikawa	EAAE - SADBBS Conveners: Dan Dubina, Serena Cattari 8827 - Modeling dependence of peak floor acceleration and maximum interstory drift ratio with Gaussian copulas ∞ Huda Munij and Farzin Zareian
16:45 - 17:00	ESC - S25 2915 - Application of canonical correlation for assessing site amplification in Basel, Switzerland ∞ Affja Imtiaz, Francesco Panzera and Donat Fäh	ESC - S06 7403 - Seismic Site Characterisation at Regional Scale for the 2020 European Seismic Risk Model: Overview and Considerations for Application ∞ Graeme Weatherill, Helen Crowley, Agathe Roullé, Bruno Taurière, Anne Lemoine, Cécile Gracianne Hidalgo, Sreeram Reddy Kotha and Fabrice Cotton	ESC Invited Lecture: Vladimir G. Kossobokov <i>Seismic Roulette</i>	EAAE - ES SGM 1202 - Evaluation of correlation between the mean period Tm and the control period Tc for intermediate-depth earthquakes in Romania and Iran ∞ Florin Pavel and Saman Yaghmaei-Sabegh	EAAE - GEE 3183 - Soil-structure interaction effects on the seismic response of steel frames with BRBs, SC-BRBs, and Hybrid bracing systems ∞ Ahmad Fayeq Ghowsi and Oguz C. Celik	EAAE - SADBBS 2747 - STEAUA ARENA - Bucharest, Romania ∞ Mihai Bîță, Bogdan Gagionea, Ionel Bodea and Florin Voica
17:00 - 17:15	ESC - S25 6150 - Imaging the Mirandola and Casaglia anticlines, northern Italy, with HVSR frequencies and amplitudes ∞ Giulia Sga ttani, Mirko Bonazzo, Andrea De Biasi, Gabriele Tarabusi and Riccardo Caputo	ESC - S06 7757 - A national ground motion amplification model for Switzerland based on site proxies and incorporating local response observations at instrumented sites ∞ Paolo Bergamo, Francesco Panzera, Carlo Cauzi, Franziska Glüer, Vincent Perran and Donat Fäh	ESC - S07 9614 - Spatio-temporal variations of earthquake productivity in Kamchatka, Kuril Islands and Japan ∞ Kirill Krushelnitskii, Sofia Matochkina and Olga Selyutskeya	EAAE - LRE Lessons from recent earthquakes Conveners: Ihsan Engin Bal, Cristian Arion ⊕ 4500 - Some lessons learned from accelerograph recording in Mexico ∞ Leonardo Al cántara, Miguel Romo and Silvia Garcia	EAAE - GEE 2768 - Seismic soil structure interaction for a highrise building ∞ Fatma Berber and Giuseppe Lomiento	EAAE - SADBBS 5072 - The plastic hinge length of planar and non-planar RC walls ∞ Ryan Hoult and João Pacheco de Almeida

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17:15 - 17:30	ESC - S25 4153 - Geophysical investigations and engineering geological modelling for the local seismic response study of the Rieti historical centre (Central Italy) ∞ <i>Roberto Iannucci, Benedetta Antonielli, Salomon Hailemikael, Domenico Marchetti, Guido Martini, Salvatore Martino, Davide Pistillo, Gabriele Scarascia Mugnozza and Francesca Bozzano</i>	ESC - S06 0287 - An investigation of PSHA sensitivity with focus on Finland ∞ <i>Ludovic Fülöp, Páivi Mäntyniemi, Marianne Malm, Gabriel Taro, Maria J. Crespo, Timo Schmitt, Simon Burck and Pekka Välikangas</i>	ESC - S07 1213 - The Lake Baikal Region anisotropic seismic impact modelling for realistic assessment of associated risks and disaster scenarios ∞ <i>Anastasia Nekrasova and Vladimir Kossobokov</i>	EAAE - LRE 5722 - Performance of reinforced concrete buildings during the November 26, 2019 Albania earthquake (Mw 6.4) and December 29, 2020 Petrinja earthquake (Mw 6.4) ∞ <i>Marko Marinković, Markel Baballéku, Brisid Isufi, Ivan Miličević, Svetlana Brzev, Nikola Blagojević, Željko Žugić and Petar Bursać</i>	EAAE - GEE 9535 - Soil-structure interaction effects on the real elastic axis of buildings ∞ <i>Asimina Athanopoulou-Kyriakou and Vasiliki Terzi</i>	EAAE - SADB5 1151 - Deep Q-learning agent for building earthquake resisting wall ∞ <i>Qianqing Wang, Ketsun Roberto Maximiano dos Santos and Katrin Beyer</i>
17:30 - 17:45	ESC - S25 7933 - Seismic response and numerical modelling of coseismic stability of a damaged underground ammunition storage in Switzerland ∞ <i>Franziska Glueer, Mauro Häusler, Valentin Gischig and Donat Fäh</i>	ESC - S06 2077 - On the Establishment of Physics-based Finite-fault Earthquake Source Models of the Transform Zones of Iceland ∞ <i>Benedikt Halldorsson, Claudia Abril, Farnaz Bayat and Milad Kowsari</i>	ESC - S07 9353 - A multi-parametric space-time analysis of seismicity clustering ∞ <i>Giuliana Rossi, Antonella Peresan, Carla Barnaba and Gianni Bressan</i>	EAAE - LRE 1988 - Classifying and predicting earthquake damage by using machine learning after the 2020 Elazığ, Turkey, earthquake ∞ <i>Onur Ulku, Ali Talha Atici, Firat Can Yesilirmak and Ufuk Hancilar</i>	EAAE - SS05 Challenges and future trends on the assessment and retrofitting of infilled reinforced concrete structures ∞ 5940 - Towards improved response quantification of existing infilled RC frames ∞ <i>Gerard J. O'Reilly and Al-Mouayed B. Nafeh</i>	EAAE - SADB5 5365 - A strategy for generating pushover curves of block assemblies including post-peak branch using the discrete element method ∞ <i>Igor Bouckaert, Michele Godia and João Pacheco de Almeida</i>
17:45 - 18:00		ESC - S06 3069 - SIGMA2: Scientific outcomes for future seismic hazard studies ∞ <i>Guillaume Daniel</i>	ESC - S07 04050 - Tsunami scenarios modelling for selected areas along the Northern Adriatic coast ∞ <i>Antonella Peresan and Hany Hassan Elsayed</i>	EAAE - LRE 7114 - Spatiotemporal Characteristics of the Source Process of the M6.3 Northern Thessaly (Greece) Earthquake ∞ <i>Nikolaos Vavlas, Ioannis Fountoulakis, Christos Evangelidis, Zafeiria Roumelioti and Anastasia Kiratzi</i>	EAAE - SS05 1314 - Simplified Seismic Risk Assessment of Non-Ductile Infilled RC Frame Buildings ∞ <i>Al Mouayed B. Nafeh and Gerard J. O'Reilly</i>	EAAE - SADB5 2643 - Experimental evaluation of bar slip and strain penetration in reinforced concrete columns ∞ <i>Ghassan Fawaz, Juan Murcia-Delso and Xiaoyi Chen</i>
18:00 - 18:15		ESC - S06 9699 : Development of an improved PSHA model for Central Asia ∞ <i>Valerio Paggi, Natalya Silacheva, Anatoly Ischuk, Roman Ibragimov, Vakhtikhan Ismailov, Kanatbek Abdrakhmatov, Zainalabudin Kobilev, Japar Karayev, Stefana Parolai and Paola Bazzurro</i>		EAAE - LRE 6600 - An opinion on the mechanism of the depression caused by the 2018 Hokkaido Iburi-tobu Earthquake ∞ <i>Susumu Yasuda</i>	EAAE - SS05 6718 - Epistemic uncertainty impact on seismic loss estimates of an Italian RC existing school building ∞ <i>Gianrocco Mucedero, Daniele Perrone and Ricardo Monteiro</i>	EAAE - SADB5 7844 - Seismic analysis of tall buildings through an enriched equivalent beam model: Application to Grenoble City Hall ∞ <i>Carolina Franco Ariza, Céline Chesnois, Jean-François Semblat, Cédric Desprez and Cedric Giry</i>
18:15 - 18:30				EAAE - LRE 9544 - The role of flat-jack testing after recent earthquakes ∞ <i>Luka Lulić, Mislav Stepinać, Domagoj Damjanović, Ivan Duvnjak, Marko Bartolac and Ivan Hafner</i>	EAAE - SS05 6381 - In-Plane/Out-of-Plane interaction in masonry infills strengthening with Textile Reinforced Mortar ∞ <i>Maria Teresa De Risi, André Furtado, Hugo Rodrigues, José Melo, Gerardo Mario Verderame, António Arêde and Humberto Varum</i>	EAAE - SADB5 6798 - Experimental investigation of the sliding failure mode in full-scale squat reinforced concrete shear wall specimen ∞ <i>Diego Pizarro, Milan Kovarbasic and Bozidar Stojadinovic</i>
18:30 - 18:45					EAAE - SS05 5246 - Proposed Design of Bridge Seismic Retrofit Using THFRC ∞ <i>Konstantinos Tsiotsias, Ismail Mohammed and Stavroula Pantazopoulou</i>	
18:00-19:30	Poster Session I					
ESC Session 01	1467 - Archiving paper seismograms from 1907 to 2008 from Denmark and Greenland <i>Trine Dahl-Jensen, Lif Lund Jacobsen, Ann-Sophie Graulund Sølund, Peter Henrik Voss and Tine Birgitte Larsen</i>					
	5890 - Preserving and digitizing seismograms at the IIGUT <i>Mahdy Aghajani, Josep Batlló, Hossein Ahmadi and Mirzaei Noorbakhsh</i>					
	6855 - Moment tensor inversion and relocation of pre-digital earthquakes using modern algorithms: case studies in Calabrian Arc (Southern Italy) <i>Silvia Sclaro, Josep Batlló, Daniel Stich, Barbara Orecchio, Debora Presti and Cristina Totaro</i>					
ESC Session 06	8441 - Preparation of Finite-fault Earthquake Catalogues Enabling Physics-based PSHA in Southwest Iceland <i>Milad Kowsari, Benedikt Halldorsson and Farnaz Bayat</i>					
	4910 - Preliminary Probabilistic Seismic Hazard Assessment for Attica (Greece) <i>George Kaviris, Angelos Zymvragakis, Ioannis Spingos, Vasilis Kapetanidis, Ioannis Kasarasa, Spyridon Mavroulis, Evelina Kotsi, Eftymis Lekkas and Nicholas Voulgaris</i>					
	6720 - Smoothed seismicity model underlying ESHM20 <i>Shyam Nandan, Laurentiu Danciu, Stefan Wiemer and Domenico Giardini</i>					
	5256 - Source parameter scaling relationship in the central-southern Europe <i>Ming-Hsuan Yen, Dino Bindi, Riccardo Zaccarelli, Adrien Oth, Ben Edwards and Fabrice Cotton</i>					
ESC Session 32	9352 - Turning a linear geometry force balance accelerometer to a broad-band seismometer: Design, modelling, and evaluation <i>Nikolaos Geremis, Dimitrakakis Georgios, Eftimios Sokos and Nikolakopoulos Pantelis</i>					
ESC Session 31	7724 - A passive seismic array measurement campaign in the Upper Rhine Graben (Southwest Germany) <i>Manuel Hobiger, Björn Goebel, Sandra Beiers, Thomas Spies, Andreas Steinberg, Christine Thiel and Aida Azari Sisi</i>					
	1849 - Stability analysis of the HVSR peak amplitude and frequency for the seismic station Balgarevo (KALB), NE Bulgaria <i>Emil Oynakov, Liliya Dimitrova and Lyubka Pashova</i>					
	3268 - Preliminary S-wave velocity profiles of subaqueous slopes in Lake Lucerne (Switzerland) from the inversion of full microtremor H/V and phase velocity dispersion curves <i>Agostiny Marrios Lontsi, Anastasiia Shynkarenko and Donat Fäh</i>					
ESC Session 25	2782 - Ambient Noise as a tool in the Quaternary Geology: The NE of Buenos Aires Province, Argentina <i>Luciano Galone, Emanuele Colica, Sebastiano D'Amico, Francisco Chellone, Eleonora Carol and Enrique Fucks</i>					
	1612 - The evaluation of the path effects impact on ground motion from spectral ratios analysis <i>Alina Coman, Carmen Orțana Cioflan, Elena Florinela Manea and Nicu Marius Mihai</i>					
ESC Session 07	4081 - Spatiotemporal analysis of catalogues declustered by different methods in Northeastern Italy region <i>Amel Benali, Antonella Peresan and Elisa Varini</i>					
EAAE - ES SGM	2907 - Implementation of Earthquake Early Warning System (EPIC) in Bursa and Yalova cities (BUYEEW) <i>Süleyman Tunç, Ran Novitsky Nof, Deniz Çaka, Berna Tunç and Şerif Barış</i>					
	4216 - QuakeManager: an integrated software for management, analysis, selection and modification of ground motions <i>Mahmoud Hachem, Bashar Abdo, Hamza Al-Jundi, Sohaib Al-Jundi, Bahaa Tayba, Bahaa Ghieh and Khaled Chandab</i>					
	7195 - From Seismic imagination to azimuth - dependent ground motion models <i>Snezhana Stamatovska</i>					
	3068 - Comparison of structural response to Mavrovo earthquake records, original and scaled <i>Marina Poposka, Dragi Dojcinovski, Marta Stojmanovska, Zivko Bozinovski and Irena Gjorgjeska</i>					

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EAAE - GEE	4014 - Aspects for evaluating the seismic stability of tailings dams <i>Ana Nanevska and Violeta Mircevska</i>					
	8237 - SSI effects on assessment of seismic response of girder bridges <i>Marija Vitanova, Kemal Edip, Julijana Bojadzieva, Vlatko Sheshov and Viktor Hristovski</i>					
	1624 - Study on the seismic behaviour of shallow box tunnels in dry sandy soil <i>Ali Tawalo and Rami Ousta</i>					
	3930 - A time-domain deconvolution procedure for soil deposits with nonlinear properties <i>Luis A. Pinzón, Miguel A. Mánica, Diego A. Hidalgo and Luis G. Pujades</i>					
	8326 - PGA prediction by three machine learning models <i>Wanwan Qi, Rui Sun and Jinlei Qi</i>					
EAAE - LRE	3825 - Post- 30.10.2020 Mw 7.0 Izmir Bay – Samos earthquake reconnaissance in Izmir: evaluation of the records and the collapsed buildings <i>Ahmet Güllü, Ercan Yuksel and Oğuz Cem Çelik</i>					
	3255 - Strong ground motion in the epicentral area of the 2020-2021 earthquake swarm in the Reykjanes Peninsula, Iceland <i>Victor M. Hernandez, Rajesh Rupakthety, Simon Ólafsson, Bjarni Bessason and Sigurður Erlingsson</i>					
	3825 - Post- 30.10.2020 Mw 7.0 Izmir Bay – Samos earthquake reconnaissance in Izmir: evaluation of the records and the collapsed buildings <i>Ahmet Güllü, Ercan Yuksel and Oğuz Cem Çelik</i>					
SADBS	2566 - Nonlinear static method for assesment of the seismic response of frame structures featuring RC walls <i>Liljana Mijalkova, Elena Delova and Zivko Bozinovski</i>					
EAAE - SS05	3123 - The "accidental" torsion effects w. r. t. strain measurements in a large-scale three-storey RC frame building with URM infill walls under shake-table tests <i>Davorin Penava, Lars Abrahamczyk, Fakhri Ramadhan and Ivica Guljas</i>					
18:00 - 20:00	WORKING GROUP MEETINGS	EAAE WG11 meeting "AGRICULTURE PARLIAMENTARY COMMISSION" Hall				
18:00 - 20:00		ORFEUS Executive Committee Meeting "MIHAI VITEAZU" Hall - Floor P1				

Tuesday 6 September 2022

JOINT KEYNOTE LECTURE - ANDREAS KAPPOS - <i>Optimum design of seismic joints in bridges</i> "Unirii" Hall - Chairperson: Rita Bento, Emil Sever Georgescu							
09:00-09:45							
09:55 - 10:10	ESC - Session 05 Waveform Data, Services & Products for Observational Seismology <i>Conveners: Carlo Cauzzi, Susana Custódio, Christos Evangelidis, Giovanni Lanzano</i> ☉ 3334 - Promoting Waveform Seismology in Europe and Beyond: ORFEUS Community Data Services and Products ∞ <i>Carlo Cauzzi, Jarek Bieńkowski, Wayne Crawford, Susana Custódio, Sebastiano D'Amico, Christos Evangelidis, Philippe Guéguen, Christian Haberland, Florian Haslinger, Giovanni Lanzano, Lars Ottemöller, Reinoud Sleeman, Angelo Strollo and Stéphane Rondenay</i>				EAAE Theme Lecturers: Dimitris Pitilakis <i>Urban-scale risk assessment: Does it change if we include SSI and site effects?</i> Chairperson: Dimitrios Vamvatsikos		EAAE Theme Lecturers: Laurentiu Danciu <i>The 2020 European Seismic Hazard Model (ESHM20): lessons learned and future challenges</i> Chairperson: Kyriazis Pitilakis
	10:10 - 10:25	ESC - S05 7831 - Comparisons of Velocity and Acceleration Earthquake Records as a Quality Assessment Tool for European Co-Located Seismic Stations ∞ <i>Carlo Cauzzi, Dino Bindi, Didem Cambaz, Fernando Carrilho, Susana Custódio, John Clinton, Chiara Felicetta, Christos Evangelidis, Dağın Kalafat, František Gallovič, Olga-Ioan Ktenidou, Giovanni Lanzano, Lucia Luzi, Alexandru Marmureanu, Marco Massa, Emeline Maufroy, Vladimir Plicka, Stéphane Rondenay, Jérôme Vergne, Vincent Perron, Fabrice Hollender, Margaux Buscetti and Pauline Rischette</i>					
10:25 - 10:40	ESC - S05 7329 - Effect of installation depth and coupling solutions on the frequency content of signals recorded by seismological stations: examples from the French RESIF network ∞ <i>Fabrice Hollender, Pauline Rischette, Hélène Hund, Isabelle Douste-Bacque and Paola Traversa</i>	ESC - S06 - (PART IV) 1319 - Sensitivity of earthquake risk to modeling the Vienna basin fault system ∞ <i>Jochen Woessner, Jessica Velasquez and Marleen Nyst</i>	EAAE - PBDBS Performance Based Design of Buildings and Structures <i>Conveners: Dimitrios Vamvatsikos, Dominik Lang</i> ☉ 7752 - Towards a hazard-consistent predictive model for drifts in steel MRFs ∞ <i>Faridah Zahra, Christian Málaga-Chuquitaype and Jorge Macedo</i>	EAAE - LRE 8465 - Damage to masonry buildings after Petrinja Mw 6.4 earthquake in 2020 ∞ <i>Mario Uroš, Josip Atalić, Marija Demšić, Marta Šavar Novak, Maja Banček, Ante Pilipović and Romano Jevtić Rundek</i>	EAAE - SR Seismic Resilience <i>Conveners: Katsuhiko Goda, Radu Vacareanu</i> ☉ 8204 - Monitoring of the recovery and reconstruction process after the 2016 Kumamoto earthquake based on multi-temporal remote sensing data ∞ <i>Fumio Yamazaki and Wen Liu</i>	EAAE - SS01 New Perspectives in Supplementary Energy Dissipation for Vibration Control of Structures ☉ 0214 - Seismic Response Control of Adjacent Buildings Linked by Optimal Double-Mass-Tuned-Damper-Inerter (DMTDI) ∞ <i>Salah Djerouni, Rajesh Rupakthety and Said Elias Rahimi</i>	
	10:40 - 10:55	ESC - S05 1042 - The ISC products for use in Geoscience ∞ <i>Dmitry Storchak, James Harris, Domenico Di Giacomo, Thomas Garth, Lynn Elms, Kathrin Lieser, Ryan Gallacher, Natalia Poiata, Burak Sakarya, Elizabeth Ayres, Blessing Shumba, Rosemary Hulín, Rebecca Verney, Colm Clague, Rian Harris, Oliver Rea and Adrian Armstrong</i>	ESC - S06 8044 - A critical look into the discretization of epistemic variables and treatment of their correlation in seismic hazard and risk assessment ∞ <i>Athanasios N. Papadopoulos and Laurentiu Danciu</i>	EAAE - PBDBS 8697 - Seismic input for displacement-based design of RC buildings in Romania ∞ <i>Paul Olteanu and Radu Vacareanu</i>	EAAE - LRE 8929 - The role of UAV in rapid post-earthquake building inspections after the Zagreb earthquake in 2020 ∞ <i>Mislav Stepinac, Ivo Haladin, Mateo Gašparović, Nenad Trifunović and Milan Domazet</i>	EAAE - SR 5696 - Validating a resilience quantification framework: The Case of 2010 Kraljevo Earthquake ∞ <i>Nikola Blagojević, Lukas Bodenmann, Yves Reuland and Božidar Stojadinović</i>	EAAE - SS01 0652 - Seismic-Induced Vibration Mitigation of a Benchmark Building Using the Double Mass Tuned Damper Inerter (DMTDI) ∞ <i>Salah Djerouni, Rajesh Rupakthety and Said Elias</i>

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10:55 - 11:10	ESC - S05 6455 - Fast and reliable seismic locations: the added value of RaspberryShake network ∞ <i>Remy Bossu, Julien Roch and Istvan Bondar</i>	ESC - S06 5918 - Probabilistic seismic hazard analysis for the western area of Naples, Italy: Comparisons at local, national, and regional scale ∞ <i>Hossein Ebrahimian, Fatemeh Jalayer, Vincenzo Convertito and Konstantinos Trevelopoulos</i>	EAAE - PBDBS 3573 - Influence of local-site effects on the seismic assessment of a reinforced concrete bridge ∞ <i>Volkán Ozsarac and Ricardo Monteiro</i>	EAAE - SDC Seismic Design Codes <i>Conveners: Pierre Labbé, António A. Correia</i> 4726 - Behaviour factor q for the seismic design of URM buildings ∞ <i>Paolo Morandi, Christoph Butenweg, Khaled Breis, Katrin Beyer and Guido Magenes</i>	EAAE - SR 1102 - Homeowners' perceptions of seismic building performance ∞ <i>Catalina Miranda, Charlotte Toma, Julia Becker, David Johnston and Ken Elwood</i>	EAAE - SS01 7184 - Multi-Hazard Consideration in Control of Flexible Structures (Long-Span Bridges & Tall Buildings) ∞ <i>Abdul Motin Jami, Said Elias Rahimi and Rajesh Rupakhetty</i>
11:10 - 11:30	Coffee Break					
11:30 - 11:45	ESC - S05 0656 - Why a Twitter QuakeBot? The 10-years' experience of @LastQuake ∞ <i>Bossu Remy, Marina Corradini and Cheny Jean-Marc</i>	ESC - S06 8541 - Assessment of recent Ground-Motion Models applicable in Europe in the framework of a Swiss site specific PSHA ∞ <i>Luis Dalguer and Philippe Renault</i>	EAAE Theme Lecturers: Kemal Önder Çetin <i>Probability-based Unified Liquefaction Triggering Models</i> Chairperson: Pierre Yves Bard		EAAE Theme Lecturers: Ahmed Elghazouli <i>Seismic performance of heritage clay brick and lime mortar masonry structures</i> Chairperson: Mauro Dolce	
11:45 - 12:00	ESC - S05 7561 - The ERMES platform: a web interface for generating strong-motion event reports ∞ <i>Giovanni Lanzano, Francesca Pacor, Chiara Felicetto, Emiliano Russo, Sara Sgobba and Lucia Luzi</i>	ESC - Session 09 From Earthquake Early Warning to Rapid Response – Integrating State-of-the-Art from Real-time Seismology and Earthquake Engineering <i>Conveners: Aldo Zollo, John Clinton, Carmine Galasso, Alberto Michelini (PART I)</i> ∞ ESC Invited Lecture: Richard M. Allen <i>Sensors, data, warning – everywhere</i>	EAAE - PBDBS 0733 - Nonlinear truss modeling and strain-based evaluation of RC walls considering lap-splice failure effects ∞ <i>Xianjue Deng, Juan Murcia-Delso, Ioannis Koutromanos and Marios Panagiotou</i>	EAAE - SDC 6212 - The approaches to define seismic hazard and demand for building design in Kyrgyz Republic ∞ <i>Ulugbek Begaliev and Marat Abdybaliev</i>	EAAE - SR 7064 - Experimental Investigation of braced steel frames equipped with dissipative replaceable connections ∞ <i>Roberto Andreotti, Giulia Giuliani, Nicola Tondini and Oreste S. Bursi</i>	EAAE - SS01 4331 - Seismic performance of tall buildings with novel damping approaches ∞ <i>Miguel Martínez-Paneda and Ahmed Elghazouli</i>
12:00 - 12:15	ESC - Session 14 Citizen and School Seismology: the links between research, STEM education and community resilience <i>Conveners: Dragos Tataru, Gerasimos Chouliaras, Nikolaos Melis, Jean-Luc Berenguer</i> ∞ ESC Invited Lecture: Jean-Luc Berenguer <i>A new impetus for seismology at school with EDUMED Observatory</i>	ESC - S09 3510 - Application of shakemap procedures for induced seismic events: Case study of Groningen ∞ <i>Jochen Schwarz, Silke Beinersdorf, Peshawa L. Hasan, Christian Kaufmann and Christian Golbs</i>	EAAE - PBDBS 7303 - Shake table tests of RC waffle-flat-plate structures under two components of near-field ground motions ∞ <i>Jesús Donaire-Ávila, David Galé-Lamuela and Amadeo Benavent-Climent</i>	EAAE - SDC 7163 - Definition of performance limit states and in-plane drift capacity of URM walls according to experimental results ∞ <i>Paolo Morandi, Luca Albanesi, Riccardo Milanesi and Guido Magenes</i>	EAAE - SR 2917 - Decision support system for community earthquake drills and evacuation ∞ <i>Alireza Azarbakht and John Douglas</i>	EAAE - SS01 0177 - Full-scale shake table tests of a reinforced concrete structure equipped with a novel active mass damper ∞ <i>Paolo Calvi, Giovanni Rebecchi, Matteo Rosti, Alberto Bussini, Stefano Cui, Davide Bolognini, Filippo Dacarro, Luca Grottoli and Francesco Ripamonti</i>
12:15 - 12:30						
12:30 - 12:45	ESC - S14 1084 - Earth Science Education, Outreach and Training program in Romania ∞ <i>Dragos Tataru, Dragos Toma-Danila, Eduard Nastase and Bogdan Zaharia</i>	ESC - S09 4582 - A review of combined EEW and SHM system applications and potential use in Romania ∞ <i>Alexandru Tiganescu, Alexandru Marmureanu, Bogdan Grecu, Dragos Toma-Danila, Cristian Neagoe, Stefan Florin Balan and Constantin Ionescu</i>	EAAE - PBDBS 7957 - Fully Nonlinear Performance-based Seismic Analysis of a Modern RC Core Wall Building in Los Angeles Using the BTM-shell Methodology ∞ <i>Marios Mavros, Marios Panagiotou, Ioannis Koutromanos, Jose I. Restrepo and Rodolfo Alvarez</i>	EAAE - SDC 4882 - Proposal for a new seismic hazard zonation map for Greece ∞ <i>Kyriazis Pitilakis, Evi Riga and Stefania Apostolaki</i>	EAAE - SR 4808 - Stationary Proposal Importance Sampling (SP-IS) for life-cycle resilience-based seismic risk assessment of deteriorating bridge networks ∞ <i>Luca Capacci and Fabio Biondini</i>	EAAE - SS01 0598 - Design and experimental characterization of a novel Lead Damper for seismic protection of buildings ∞ <i>Virginio Quaglini, Eleonora Bruschi and Carlo Pettrorosso</i>
12:45 - 13:00	ESC - S14 2287 - Data Mining at school with InSight space mission ∞ <i>Jean-Luc Berenguer, Marie Baillet, Guillaume Coupechoux and Julien Balestra</i>	ESC - S09 0771 - Extended source kinematic models for Earthquake Early Warning and Rapid Response applications: preliminary results for the Norcia earthquake case-study ∞ <i>Antonio Scala, Gaetano Festa, Simona Colombelli, Sahar Nazeri, Stefania Tarantino, Antonio Emolo and Aldo Zollo</i>	EAAE - PBDBS 6920 - Hazard-, Risk-, and Loss-based Seismic Design: Review and Proposal for A New Methodology ∞ <i>Nicholas Clemett and Max Gündel</i>	EAAE - SDC 6411 - The Eurocodes Balkan Summer School 2021: sharing knowledge for better seismic resilience ∞ <i>Roberta Apostolska, Adamantia Athanasopoulou, Maria Luisa Sousa and Silvia Dimova</i>	EAAE - SR 5116 - Enhancing seismic and climate change resilience of buildings through integrated high-performance solutions ∞ <i>Simona Bianchi, Jonathan Ciurlanti, Mauro Overend and Stefano Pampanin</i>	EAAE - SS01 1868 - Effects of two testing protocols on the material model parameter identification for rubber-like materials ∞ <i>Sergio Reyes, Michalis Vassiliou, Konstantinos Agathos and Dimitrios Konstantinidis</i>
13:00 - 14:00	Lunch Break					
13:00 - 15:00	WORKING GROUP MEETINGS		EMSC Executive Council Meeting "AGRICULTURE PARLIAMENTARY COMMISSION" Hall			
14:00 - 14:45	JOINT KEYNOTE LECTURE: MIRCEA RADULIAN - Vrancea seismic source and the geodynamics at South-Eastern Carpathians (Romania): an overview "Unirii" Hall - Chairperson: Constantin Ionescu					
14:55 - 15:10	ESC - Session 13 Seismology, geothermics and society: risk communication at the service of risk reduction <i>Conveners: Silvia Peppoloni, Laure Fallou, Irina Dallo, Femke Mudler</i> ∞ ESC Invited Lecture: Sarah Dryhurs <i>Earthquake misinformation: perceptions of the seismological community</i>	ESC - S09 - (PART II) 5895 - Toward the effective use of an earthquake early warning system for the high-speed rail network in Italy ∞ <i>Aldo Zollo, Simona Colombelli, Francesco Carotenuto, Luca Elia, Gaetano Festa, Sergio Gammaldi, Antonio Giovanni Iaccarino, Giovanni Iannaccone, Matteo Picozzi, Rosario Riccio, Stefania Tarantino, Franca Iacobini, Andrea Vecchi, Alberto Mauro, Virgilio Sabelli, Giulia Polimanti and Alessandro Caruso</i>	EAAE Theme Lecturers: Helen Crowley <i>European Seismic Risk Model – Insights and Emerging Research Topics</i> Chairperson: Katrin Beyer		EAAE Theme Lecturers: Olga-Joan Ktenidou <i>Hard as a rock? Reconsidering rock-site seismic response and reference ground motions</i> Chairperson: Kemal Önder Çetin	
15:10 - 15:25		ESC - S09 6144 - A synthetic case study using the TURNkey scientific engine for earthquake disaster management ∞ <i>Chen Huang, Abdelghani Meslem, Hakan Balin, Vette Refsum, Daniela Kuehn, Tina Kaschwich, Johannes Schweitzer and Volker Oye</i>				
15:25 - 15:40	ESC - S13 3483 - Evidence-based and user-centred recommendations on how to design rapid impact assessments and risk scenarios for earthquakes ∞ <i>Stefan Wiemer, Michèle Marti and Irina Dallo</i>	ESC - S09 6906 - Earthquake Early Warning System in Israel – national operational stage ∞ <i>Ran Nof and Ittai Kurzon</i>	EAAE - PBDBS <i>Conveners: Andrea Pena, Anastasios Tsiavos</i> 3289 - Robust Performance-based Optimum Design of Reinforced Concrete Bridge Piers ∞ <i>Soheil Soltanieh, Panagiotis Mergos and Andreas Kappas</i>	EAAE - SDC <i>Conveners: Sergio Lagomarsino, Violel Papa</i> 9292 - The second generation of Eurocode 8: comparison between the new displacement-based and force-based design approaches for RC MRFs ∞ <i>Joao Pacheco de Almeida, António A. Correia and Humberto Varum</i>	EAAE - SR <i>Conveners: Mauro Dolce, Fumio Yamazaki</i> 1105 - Improving community disaster resilience by providing adequate supply of recovery resources and services ∞ <i>Nikola Blagojević, Lukas Bodenmann, Yves Reuland and Božidar Stojadinović</i>	EAAE - SS01 4873 - Seismic retrofitting of RC precast industrial sheds: experimental characterization and numerical case study ∞ <i>Carlo Pettrorosso, Eleonora Bruschi, Luca Mari and Virginio Quaglini</i>

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15:40 - 15:55	ESC - S13 7643 - Fighting earthquake misinformation in Haiti through a citizen seismology approach: challenges and perspectives ∞ <i>Laure Fallou, Alice Corbet, Nixon Calixte, Laenne Hurbon, Remy Bossu and Eric Calais</i>	ESC - S09 8990 - An overview of the scientific engine of the TURKEY platform ∞ <i>Chen Huang, Abdelghani Meslem, Hakan Bolin, Vete Refsum, Daniela Kuehn, Tina Kaschwich, Johannes Schweitzer and Volker Oye</i>	EAAE - PBDBS 6818 - Vulnerability and robustness analysis of a multi-storey RC building ∞ <i>Radomir Folc and Milo Cokic</i>	EAAE - SDC 4584 - Probabilistic Seismic Hazard Assessment in Bangladesh and Comparison with the Bangladesh National Building Code ∞ <i>Aida Azari Sisi, Manuel Hobiger, Diethelm Kaiser and Thomas Spies</i>	EAAE - SR 1980 - Timber framed masonry houses: resilient or not? ∞ <i>Andreea Dutu, Kit Miyamoto, Giulia Jole Sechi and Shoichi Kishiki</i>	EAAE - SS01 5158 - ADAS-based seismic retrofit of a 6-storey building structure ∞ <i>Gloria Torenzi, Stefano Sorace, Damiano Melani and Elena Fuso</i>
15:55 - 16:10	ESC - S13 5404 - The social component: Understanding the public need and support for an EEW system in Central America ∞ <i>Benazir Orihuela, Irina Dallo, John Clinton, Michèle Marti, Maren Boese, Frédéric Massin, Grisselda Marroquin, Marino Protti, Wilfried Strauch and Robin Yani</i>	ESC - S09 9717 - Real-time solutions for an improved rapid response to earthquakes in Romania ∞ <i>Toma-Danila Dragos, Alexandru Marmureanu, Alexandru Tiganescu, Constantin Ionescu, Iuliana Armas, Bogdan Grecu, Carmen Ortzana Cioflan and Cristian Neagoe</i>	EAAE - PBDBS 4532 - Illustrative application of direct loss-based seismic design for reinforced concrete buildings ∞ <i>Roberto Gentile and Gian Michele Calvi</i>	EAAE - SDC 6281 - Seismic qualification of non-structural elements by shake table testing according to AC-156 ∞ <i>Angela Poposka, Antonio Shoklarovski, Filip Manojlovski, Lidija Krstevska, Aleksandra Bogdanovic, Dejan Filipovski, Igor Markovski and Nikola Naumovski</i>	EAAE - SR 4875 - Seismic resilience through cross-border cooperation and European research networking - CRISIS project ∞ <i>Vlatko Sesov, Barbara Borzi, Roberta Apostolska, Dimitrios Pitilakis, Stevko Stefanoski, Neritan Shkodrani, Julijana Bojadjeva, Marija Vitanova, Radmila Salic, Aleksandra Bogdanovic, Marta Stojmanovska, Elisa Zuccolo, Francesca Bozzoni, Evi Riga, Stavroula Fotopoulou, Christos Petridis, Markel Baballéku and Kemal Edip</i>	EAAE - SS01 6658 - Cyclic loading test of existing beam-flexural-yielding-type reinforced concrete frames strengthened by external seismic retrofitting reinforced concrete members with knee-brace dampers ∞ <i>Yusuke Maeda, Yuta Nakano, Hiroyasu Sakata, Takumi Sato, Yutaro Ishida and Masaharu Kubota</i>
16:10 - 16:30	Coffee Break					
16:30 - 16:45	ESC - Session 03 Topo-Transylvania: a multidisciplinary cooperation to investigate the geodynamics of the Carpathian-Pannonian Region <i>Conveners: István János Kovács, Mircea Radulian, Sierd Cloetingh, Liviu Matenco</i> ∞ 6684 - The first integrated Geodynamic Station in Central Europe: a possible tool for earthquake 'forecasting' ∞ <i>Istvan Janos Kovacs, Csaba Szabó and Alexandru Szakacs</i>	ESC - S09 - (PART III) 7243 - Warning before the shaking: the physical challenges of Earthquake Early Warning systems ∞ <i>Simona Colombelli, Gaetano Festa and Aldo Zollo</i>	EAAE - PBDBS 6167 - A Seismic Classification Procedure for Non-Structural Building Elements based on Shake-Table Qualification Testing ∞ <i>Roberto Javier Merino, Daniele Perrone, Andre Filatroul and Roberto Nascimbene</i>	EAAE - SDC 4420 - Seismic fragility analysis of RC dual system buildings designed for modern codes ∞ <i>Payal Gwalani, Yogendra Singh and Humberto Varum</i>	EAAE - SR 5450 - The Croatian Centre for Earthquake Engineering: establishment, activities and future opportunities ∞ <i>Josip Atalić, Mario Uroš, Marta Šavar Novak, Marija Demšić, Maja Banček, Alen Kadić and Jakov Oreb</i>	EAAE - SS01 7563 - A simplified design procedure for the seismic rehabilitation of RC framed structures with hysteretic damped braces ∞ <i>Eleonora Bruschi, Virginia Quaglino and Paolo Calvi</i>
16:45 - 17:00	ESC - S03 3174 - Looking the global plate tectonics from a different perspective: the 'paragosphere' hypothesis ∞ <i>István János Kovács, Nóra Liptai, Thomas Pieter Lange, Márta Berkési, Csaba Szabó, Alexandru Szakács, Mircea Radulian, Sierd Cloetingh, Liviu Matenco, Attila Novák, Ákos Kővágyó, Orsolya Gelencsér, Ágnes Gál, Levente Patkó and Viktor Westergom</i>	ESC - S09 9152 - Combining Estimates from FinDer and Virtual Seismologist Earthquake Early Warning Algorithms ∞ <i>Dario Jazinović, Frédéric Massin, Maren Böse and John Clinton</i>	EAAE - PBDBS 9911 - Shake table tests for seismic qualification of glass cladding elements ∞ <i>Antonio Shoklarovski, Filip Manojlovski, Angela Poposka, Lidija Krstevska, Aleksandra Bogdanovic, Nikola Naumovski, Dejan Filipovski and Igor Markovski</i>	EAAE - SDC 9861 - Numerical Evaluation of the Column Lap Splice Location Effect on RC Frame Behavior ∞ <i>Furkan Çalm, Emre Günölcü, Murad Safarlı, Mehmet Ali Toprak, Varol Karayel and Ercan Yüksel</i>	EAAE - SR 2256 - Experimental investigation of composite moment resisting frames equipped with dissipative replaceable beam splices ∞ <i>Giulia Giuliani, Roberto Andreotti, Nicola Tondini and Alessio Bonelli</i>	EAAE - SS11 March 4, 1977 Vrancea earthquake: Engineering, seismological and public policies reflections after 45 years <i>Conveners: Gian Michele Calvi, Ahmed Elghazouli</i> ∞ 3369 - The INCERC record of the March 4, 1977 Vrancea earthquake: unique features and relevance for the six decades of modern earthquake engineering in Romania ∞ <i>Emil Sever Georgescu, Iolanda-Gabriela Craifaleanu, Claudiu-Sorin Dragomir and Daniela Dobre</i>
17:00 - 17:15	ESC - S03 7592 - The importance of measuring and sampling radon and CO2 soil-gas for the installation of an Integrated Geodynamic Station ∞ <i>Ákos Kővágyó, Thomas Pieter Lange, Orsolya Gelencsér, Alexandru Szakács, Ágnes Gál, Sándor Gyilla, László Palcsu, Csaba Szabó and István János Kovács</i>	ESC - S09 8908 - Techniques and methods for near real-time seismic damage detection ∞ <i>Alexandru Tiganescu, Barbara Borzi, Stefan Florin Balan, Francesca Bozzoni, Juan Jose Galiano-Merino, Alireza Kharazin, Sergio Molina, Caterina Negulescu, Ali Güneý Özcebe, Ekin Ozer, Simone Peloso, Dragos Toma-Danila and Enrico Tubaldi</i>	EAAE - PBDBS 1433 - Seismic Design Factors for a Mass Timber Mid-Rise Building ∞ <i>Bryant Ramirez, Mikhail Gershfeld and Giuseppe Lamiento</i>	EAAE - SDC 4269 - Genetic algorithm-based seismic retrofitting optimization for existing masonry structures ∞ <i>Fabio Di Trapani, Antonio Pio Sberna, Cristoforo Demartino and Giuseppe Carlo Marano</i>	EAAE - SR 7320 - Smart tools for self assessing community resilience in seismic regions: a case study from Nepal ∞ <i>Rishi Parajuli, Mario Xanthou, Jitendra Agarwal and Anastasios Sextos</i>	EAAE - SS11 9727 - Earthquakes in Romania: lessons of the past, brought to the present ∞ <i>Dragos Toma-Danila, Alexandru Tiganescu, Mircea Radulian and Dragos Tataru</i>
17:15 - 17:30	ESC - S03 0798 - Deep CO2 degassing in a tectonically active region at the boundary of the Transylvanian Basin and the South-Eastern Carpathians ∞ <i>Thomas Pieter Lange, László Palcsu, Alexandru Szakács, Ákos Kővágyó, Orsolya Gelencsér, Ágnes Gál, Sándor Gyilla, Csaba Szabó and István János Kovács</i>	ESC - S09 4217 - An earthquake early warning case study with different parameters for high speed railway lines ∞ <i>Zenne Merdan Tutar, Abdullah Can Zulfikar and Erdem Köse</i>	EAAE - PBDBS 0630 - Hazard-consistent floor acceleration demands in steel Moment Resisting Frames ∞ <i>Faridah Zahra, Christian Málaga-Chuquitaype and Jorge Macedo</i>	EAAE - SS10 2351 - The efficiency of seismic plus energy retrofitting to prevent the masonry infill walls out-of-plane collapse ∞ <i>André Furtado, Hugo Rodrigues, Jose Melo, Antonio Arede and Humberto Varum</i>	EAAE - SR 2612 - Evaluating the Performance of Chevron Braced Frame and TADAS Damper on Seismic Response of Moment Resisting Steel Frame ∞ <i>Marin Grubišić and Benjamin Pervan</i>	EAAE - SERBS Seismic Evaluation and Rehabilitation of Buildings and Structures <i>Conveners: Mustafa Erdik, Paolo Negro</i> ∞ 7580 - The behaviour of innovative partially reinforced clay masonry wallets towards building low-rise housing with sufficient seismic resistance and thermal insulation ∞ <i>Lazaros Melidis, George Manos, Lampros Kotoulas and Konstantinos Katakalos</i>
17:30 - 17:45	ESC - S03 7341 - Precursor-based earthquake prediction: wishful thinking or real possibility? ∞ <i>Alexandru Szakács, István János Kovács and Mircea Radulian</i>	ESC - Session 36 Advances in Strong Ground Motion Simulation for Urban Hazard/Risk Assessment and Risk Reduction <i>Conveners: Eser Çaktı, Nilgün Merve Çağlar, Hakan Süleyman</i> ∞ 2510 - Stochastic ground motion simulations of M6+ earthquakes for Istanbul ∞ <i>Hakan Süleyman and Eser Çaktı</i>	EAAE - PBDBS 4997 - Correlation of the results of R/C frame structures designed with the EN1998 1 and the direct displacement based method ∞ <i>Milton Demosthenous and Petar Jovanovic</i>	EAAE - SDC 7971 - Resin Injection ground improvement as part of the seismic strengthening of a shopping centre in Queenstown, New Zealand ∞ <i>Georgia Crosby and Theo Hnat</i>	EAAE - SS05 Challenges and future trends on the assessment and retrofitting of infilled reinforced concrete structures ∞ 4911 - Predictive equations for the out-of-plane resistance of masonry infills in RC frames by a data-driven approach ∞ <i>Fabio Di Trapani, Alessandro Vizzino, Giovanni Tomaselli, Antonio Pio Sberna and Gabriele Bertagnoli</i>	EAAE - SERBS 2905 - On the influence of mechanical parameters involved in ground vibrations of pylons: A statistical analysis ∞ <i>Georgios Dadoulis, George Manolis and Konstantinos Katakalos</i>
17:45 - 18:00		ESC - S36 4475 - Sedimentary basin models for ground motion simulations: testing two case studies in the Alps and Apennines ∞ <i>Giulia Sgattoni, Irene Molinari and Giuseppe Di Giulio</i>	EAAE - SEMS Site Effects and Microzonation Studies <i>Conveners: Chiara Smerzini, Roberto Paolucci</i> ∞ 9287 - Simulation-based Site Amplification Factors for Medium Stiff-to-Stiff Sites in Southern Coast of Izmir City ∞ <i>Okan İlhan and Abdullah Can Zulfikar</i>	EAAE - SS10 9989 - Numerical Modelling of RC Frames Retrofitted with BRBs Incorporating Stainless Steel and SE-SMA Cores ∞ <i>Pedro Guimaraes Rocha and Dan Palermo</i>	EAAE - SS05 9096 - Pseudodynamic tests on a Full-Scale RC Building with Masonry Infills: Preliminary results on the global response ∞ <i>Stylianou Kallioras, Daniel Pohoryles, Dionysios Bournas, Francisco Javier Molina and Pierre Pegon</i>	EAAE - SERBS 8497 - The response of clay brick wallets with external thermal insulation composite systems under in plane and out of plane seismic type loads ∞ <i>Lazaros Melidis, George Manos, Lampros Kotoulas and Konstantinos Katakalos</i>

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18:00-18:15		ESC - S36 0848 - A GIS based seismic risk scenario of the cities of Santa Fé and Atarfe in Andalucía Spain ∞ Manuel Pérez-Docampo , David Escalona-Margarit, Mercedes Feriche and Leandro Morillas	EAAE - SEMS 3091 - Expected ground motion in Beirut (Lebanon) for realistic earthquake scenarios ∞ Marleine Brax , Hiba Labaki, Céline Beauval and Pierre-Yves Bard	EAAE - SS10 2332 - Toward new seismic evaluation methods with the C1SMA real-scale experimental approach ∞ Alexandre de la Foye	EAAE - SS05 3484 - Effects of prior in-plane damage on out-of-plane response of masonry infills with openings ∞ Aleksa Milijaš , Bogdan Šakić, Marko Marinković, Christoph Butenweg, Matija Gams and Sven Klinkel	EAAE - SERBS 3763 - Experimental assessment of post-fire retrofitted RC columns tested under cyclic loading ∞ Jose Melo , Zafiris Triantafyllidis, David Rush, Luke Bisby, Tiziana Rossetto, António Arêde, Humberto Varum and Ioanna Ioannou
18:15 - 18:30			EAAE - SEMS 7153 - Multi-method approach for seismic site characterization ∞ Irena Gjorgjeska , Vlatko Sesov, Marta Stojmanovska, Julijana Bajadjieva, Dragi Dojchinovski, Kemal Edip and Marina Poposka	EAAE - SS10 2384 - Seismic retrofit of important structures in Romania ∞ Peter Nawrotzki and Daniel Siepe	EAAE - SS05 4772 - Development and validation of a codified procedure for the seismic verification of masonry infills ∞ Riccardo R. Milanesi , Paolo Morandi, Sanja Hak and Guido Magenes	EAAE - SERBS 5171 - Seismic performance assessment of existing URM-RC buildings: a BIM-based methodology ∞ Gonçalo Correia Lopes , Nuno Mendes, Romeu Vicente, Tiago Ferreira and Miguel Azenha
18:30 - 18:45			EAAE - SEMS 1214 - The effects of soil conditions on the structural damage to a building ∞ Angela Flamingo and Maria Rossella Rita Massimino	EAAE - SS10 6359 - Simplified Textile-Reinforced-Mortar analytical model for seismic retrofitting of existing buildings ∞ Christiana Filippou , Nicholas Kyriakides and Christis Chrysostomou	EAAE - SS05 5724 - Dual-scale model of shear-critical reinforced concrete infilled frames ∞ Alex Brodsky	EAAE - SERBS 6904 - Post-earthquake fire assessment of reinforced concrete frame structures without seismic design ∞ Hugo Vitorino , Paulo Vila Real, Hugo Rodrigues, Carlos Couto and Romain Sousa
18:45 - 19:00			EAAE - SEMS 9656 - Main dynamic parameters for the seismic characterization of Bucharest, Romania surface geology ∞ Cristian Arion , Elena Calarasu, Cristian Neagu, Alexandru Aldea and Radu Vacareanu			EAAE - SERBS 8574 - Strengthening Techniques on timber frames: Experimental and Analytical Investigation ∞ Ioannis Stavrou and Milton Demosthenous
18:00 - 19:30	Poster Session II					
ESC Session 03	8364 - S receiver function analysis in the Alpine-Carpathian-Pannonian region: Preliminary results Dániel Kalmár , Attila Balázs, Bálint Süle, Cristian Neagoe, István Bondár, Josip Stipčević, Mladen Živčić and Laura Petrescu					
ESC Session 14	6694 - Shallow seismic structure around the Vrancea Seismic Zone from joint inversion of ambient noise H/V ratios and surface wave dispersion Mihaela Popa , Mircea Radulian and Laura Petrescu					
ESC Session 06	6065 - 10 years of Romanian Educational Seismic Network Bogdan Zaharia , Dragos Tataru, Bogdan Grecu and Cristian Neagoe					
ESC Session 09	5861 - Region - specific Ground Motion Models for Vrancea Intermediate - Depth Earthquakes Elena Florinela Manea , Carmen Ortanza Clofjan , Laurentiu Danciu, Alexandru Marmureanu and Alina Coman					
ESC Session 12	4699 - On the Effects of Ground Motion Model Epistemic Uncertainties on Site-specific Hazard Curves in Iceland Milad Kowsari , Saeid Ghasemi, Farnaz Bayat and Benedikt Halldorsson					
ESC Session 09	6720 - Smoothed seismicity model underlying ESHM20 Shyam Nandan , Laurentiu Danciu, Stefan Wiemer and Domenico Giardini					
ESC Session 09	8522 - An alternative fault source modeling for the north and east anatolian faults Cem Koca and Karin Şeşetyan					
ESC Session 09	6074 - Automated seismic phases' arrival time estimation, by exploiting the statistical and polarization attributes of the seismic waves. An application towards an EEWs to Corinth Gulf area (Greece) Athanasios Lois , Dimitrios Giannopoulos, Filippos Vallianatos and George Hloupis					
ESC Session 09	5618 - Combining smartphone-embedded accelerometers and Artificial Intelligence toward increasingly accurate estimates of ground motion at local scale Ialanda G audiosi , Giuseppe Ancona, Anna Bondarenko, Gian Paolo Cavinato, Roberto de Franco, Francesco Ponziani and Cesare Roseti					
ESC Session 09	3705 - Quantitative Performance Evaluation of an Earthquake Early Warning System: application to the Italian High-speed railway line Simona Colombelli , Aldo Zollo, Antonio Giovanni Iaccarino, Matteo Picozzi, Stefania Tarantino, Franco Iacobini, Andrea Vecchi, Alberto Mauro, Virgilio Sabelli, Giulia Polimanti and Alessandro Caruso					
ESC Session 09	8730 - The 1st operational smartphone-based public earthquake early warning system and the feedback from its users Francesco Finazzi , Remy Bossu , Istvan Bondar, Laure Fallou and Robert Steed					
ESC Session 12	7631 - Automatic and real-time earthquake magnitude estimation from the analysis of the first second of P waves signal Valeria Lan gobardi , Simona Colombelli and Aldo Zollo					
ESC Session 12	6480 - An Earthquake Early Warning Method Based on Time-Varying Mapping of Peak Ground Shaking Predictions Aldo Zollo , Simona Colombelli, Alessandro Caruso and Luca Elia					
EAAE - SEMS	8809 - Searching for seismic precursors on the geomagnetic field with deep learning Laura Petrescu and Iren Moldovan					
EAAE - SEMS	1012 - Site effects analysis in Algiers city using simulated accelerograms Mourad Mobarki , Abdelhak Talbi and Leila Djadia					
EAAE - SEMS	9364 - Determination of Peak Ground Acceleration and Amplification Factors for Selected Sites in Karbala City –central Iraq Abdul-Kareem H. Al-Rubaiee , Mohammed L. Husein and Ali Majdi					
EAAE - SEMS	9576 - Numerical approach of Transfer Function estimation by means of cross- and auto-power PSD functions from earthquake time series recorded in tri-axial accelerometers vertical array Gonzalo Alejandro Ramirez , Carlos Isidro Huerta, Adolfo Preciado, Leonardo Alcantara, Mario Gonzalez, Karla Cabrera and Antonio Gomez-Roa					
EAAE - PBDBS	9615 - Experimental response of voltage and current transformers tested on shake table Francesco Cavalieri , Giuseppe Donelli, Rui Pinho and Filippo Dacarro					
EAAE - PBDBS	5557 - Correlation of the results of R/C frame structures designed with the EN1998-1 and the direct displacement-based method Milton Demosthenous and Petar Jovanovic					
EAAE - PBDBS	6790 - Assessment of corrosion effects on reinforced concrete (RC) buildings through a probabilistic framework Pablo García de Quevedo , Rita Peres, Nuno Pereira, Romão Xavier and José Miguel Castro					
EAAE - PBDBS	3096 - Prediction of the maximum inter-storey drift of multi-storey infilled steel moment frames using artificial neural networks Jing-Ren Wu and Luigi Di Sarno					
EAAE - PBDBS	0629 - Combined physical and virtual experimental testing for self-centring concentrically braced frames Borjan Petreski and Igor Gjorgjiev					
EAAE - SDC	7723 - Seismic assessment of a building change of use in the rural regions using Iraqi Seismic Code Ali Majdi , Aqeel Abdulhasan Husein and Abdullah Kadhim					
EAAE - SDC	1885 - Values of EN 1998-1 importance factors for a wider European area based on the seismic hazard results from the "SHARE" project data Dejan Dragojević , Radmila Šalić Makreska and Zoran Milutinović					
EAAE - SDC	2771 - Evaluation of displacement based design criteria for steel moment resisting frames according to Eurocode 8 Mario Arsov and Koce Todorov					
EAAE - SS01	9768 - Nonlinear seismic response of bare and infilled RC framed structures retrofitted using dissipative steel exoskeletons Fabio Mazza and Egidio Mollo					
EAAE - SS10	3598 - Analysis of the Seismic Stability with Technical Solution for Strengthening of an Existing Building Elena Delova , Aleksandar Zlateski, Veronika Shendova, Zivko Bozinovski and Liljana Mijalkova					

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EAAE - SS11	3817 - Monitoring and modelling a large buttress dam <i>Alexandru Aldea, Altan Abdulamit, Etienne Bertrand, Daniel Gaftoi and Ruxandra Enache</i>					
EAAE - SR	7806 - Inelastic spectra under mainshock-multiple aftershock sequences <i>Saeed Amiri and Sanda Kobojevic</i>					
EAAE - SERBS	1566 - Determination of dynamic characteristics of reinforced concrete residential building by ambient vibration method <i>Filip Manojlovski, Angela Poposka, Zoran Rakicevic, Aleksandra Bogdanovic, Nikola Naumovski, Dejan Filipovski, Igor Markovski, Lidija Krstevska and Antonio Shokiarovski</i>					
	9960 - Seismic Response Estimation of Shape Memory Alloy Reinforced Concrete Shear Walls Considering the Aftershock Induce Seismic Hazards <i>Emad Abraik and Ateeyah Asteetah</i>					
18:00 - 20:00	EAAE Council meeting "C.A. ROSETTI" Hall - Floor S1					
18:00 - 20:00	WORKING GROUP MEETINGS Business Meeting of the ESC WG 02-12 Preservation, valorization and analysis of seismological legacy data "EDUCATION" Hall					
18:00 - 20:00	ORFEUS Board of Directors (BoD) meeting "AGRICULTURE PARLIAMENTARY COMMISSION" Hall					

Wednesday 7 September 2022

09:00 - 09:45	JOINT KEYNOTE LECTURE: DOMENICO DI GIACOMO - <i>Magnitudes and related topics relevant to hazard input</i> "Unirii" Hall - Chairperson: Stefano Parolai					
09:55 - 10:10	<p>ESC - Session 19 Seismicity: High resolution imaging, analysis, interpretation and forecasting <i>Conveners: Bogdan Enescu, Margarita Segou, Francesco Grigoli, Iren-Adelina Moldovan, Natalia Poiata, Tom Garth, Mihaela Popa, Laura Gulia</i></p> <p>ESC Invited Lecture: Stefan Wiemer Using seismicity parameters for forecasting earthquakes: State-of-the-art and future directions</p>	<p>ESC - Session 20 Characterizing building's response: combined perspective from engineering and seismology for risk reduction <i>Conveners: Chiara Scaini, Bojana Petrovic, Maria Rosaria Gallipoli, Filomena de Silva</i></p> <p>ESC Invited Lecture: Philippe Guéguen <i>Geophysical/seismological based methods for seismic response assessment of the built environment and its interaction with the ground: an overview</i></p>	<p>EAAE Theme Lecturers: Vitor Silva <i>The Evolution of Future Earthquake Risk</i></p> <p>Chairperson: Gian Michele Calvi</p>		<p>EAAE Theme Lecturers: Stathis Boucias <i>Hybrid simulation testing of coupling beams</i></p> <p>Chairperson: Ahmed Elghazouli</p>	
10:10 - 10:25						
10:25 - 10:40	<p>ESC - S19 3487 - Earthquake repeaters and small-scale Vp/Vs ratio in the Irpinia region (Southern Italy): spatiotemporal patterns and relationship with seismic source properties ∞ <i>Mauro Palo, Matteo Picozzi, Grazia De Landro and Aldo Zollo</i></p>	<p>ESC - S20 3939 - The Friabas database: towards building and soil dynamic characterization ∞ <i>Maria Rosaria Gallipoli, Bojana Petrovic, Chiara Scaini, Giuseppe Calamita, Nicola Traghi, Carla Barnaba, Marco Vona and Stefano Parolai</i></p>	<p>EAAE - SADBS Seismic Analysis and Design of Buildings and Structures <i>Conveners: Humberto Varum, Stathis Boucias</i></p> <p>3226 - Justification of concrete piles in seismic situations: some basic points ∞ <i>Issam Charara</i></p>	<p>EAAE - SHEFRA Seismic Hazard, Exposure, Fragility and Risk Analyses <i>Conveners: Helen Crowley, Dimitris Pitilakis</i></p> <p>1448 - Seismic fragility curves via nonlinear dynamic analyses: derivation for three unreinforced masonry school buildings ∞ <i>Sofia Giusto, Serena Cattari and Sergio Lagomarsino</i></p>	<p>EAAE - SS03 Earthquake Risk Assessment for Earthquake Insuranc ∞ 5520 - Addressing Focal Depth in Cat-In-A-Box Parametric Earthquake Transactions: The Vrancea Seismic Zone in Romania as a Case Study ∞ <i>Guillermo Franco and Roberto Guidotti</i></p>	<p>EAAE - SHM Structural Health Monitoring <i>Conveners: Toshihide Kashima, Alexandru Aldea</i></p> <p>3954 - Fluctuation in Dynamic Characteristics of a Six-storey Steel Building Examined from Ambient Vibration and Strong Motion Data ∞ <i>Toshihide Kashima</i> and Hiroto Nakagawa</p>
10:40 - 10:55	<p>ESC - S19 1217 - Integrating advanced detection techniques to enhance catalogues for characterizing seismic sequences in Southern Italy ∞ <i>Francesco Scotto di Uccio, Antonio Scala, Gaetano Festa, Matteo Picozzi and Gregory Beroza</i></p>	<p>ESC - S20 3828 - Kinematic coupling check as empirical support in seismic vulnerability assessment of buildings ∞ <i>Stefano Grimaz and Petra Malisan</i></p>	<p>EAAE - SADBS 9047 - Soil-Structure Interaction effects on the seismic behavior of steel moment resisting frames: Preliminary assessment ∞ <i>Christos Petridis, Dimitrios Lignos and Dimitris Pitilakis</i></p>	<p>EAAE - SHEFRA 3584 - SafeSchools: A tool for Real-time Seismic Risk Assessment of School Buildings ∞ <i>Kyriazis Pitilakis, Anastasia Kiratzi, Stelios Siskos, Christos Spandonidis, Dimitris Pitilakis, Stavroula Fotopoulou, Stella Karafagka, Christos Petridis, Maria Manakou, Konstantinos Kozalakis, Kostas Liakakis, Kostas Siazios, Fotis Giannopoulos and Nikos Demagos</i></p>	<p>EAAE - SS03 1465 - Investigating the importance of liquefaction in earthquake catastrophe modelling: A case study for Singapore ∞ <i>Athanasios Gkimprxis, Silvia Bertelli, Svetlana Stripajova and Goran Trendafilski</i></p>	<p>EAAE - SHM 4862 - Optimal Sensor Placement for Structures Excited by Earthquakes ∞ <i>Tulay Ercan and Costas Papadimitriou</i></p>
10:55 - 11:10	<p>ESC - S19 6231 - EMS-98 based damage grade assessment using remote sensing images for cascading events ∞ <i>Nooshin Hadidian M. and Jochen SchwarzESC</i></p>	<p>ESC - S20 6301 - Validation of the DARR (Damage Assessment for Rapid Response) method for different building types and shaking levels ∞ <i>Bojana Petrovic, Chiara Scaini and Stefano Parolai</i></p>	<p>EAAE - SADBS 8418 - A Case Study: Dynamic Analyses of Barrette Foundations under a Pipe Rack in a High Seismicity Region ∞ <i>Burak Akbas, Onur Kanun, Berna Unutmaz, Zeynep Gülerce and N. Kartal Tokar</i></p>	<p>EAAE - SHEFRA 7301 - Constructing fragility models for school buildings ∞ <i>Stavroula Fotopoulou, Stella Karafagka, Christos Petridis, Maria Manakou and Kyriazis Pitilakis</i></p>	<p>EAAE - SS03 1586 - Resolving Earthquake Insurance Gap Problems for Canadian Homeowners: Earthquake Risk Pool Approach ∞ <i>Katsuchihiro Goda</i></p>	<p>EAAE - SHM 5854 - Nonlinear elastic response to monitor structural damage in buildings ∞ <i>Ariana Lucia Astorga Nino and Philippe Guéguen</i></p>
11:10 - 11:30	Coffee Break					
11:30 - 11:45	<p>ESC - S19 - (PART II) 1968 - Seismicity analysis for Vrancea region (Romania) using a z-value statistical approach ∞ <i>Bogdan Enescu, Iren Moldovan, Mircea Radulian, Cristian Ghita, Felix Borleanu, Anica Otilia Placinta and Natalia Poiata</i></p>	<p>ESC - S20 - (PART II) 7236 - Polarization analysis in soil-structure interaction assessment: example of the Matera experiment ∞ <i>Anna Maria Skłodowska, Stefano Parolai, Bojana Petrovic and Fabio Romanelli</i></p>	<p>EAAE Theme Lecturers: Amadeo Benavent-Climent <i>From conventional to innovative approaches in seismic engineering: buildings with energy dissipation devices and the upcoming second generation of Eurocode-8</i></p> <p>Chairperson: Rajesh Rupakshy</p>		<p>EAAE Theme Lecturers: Pierre-Yves Bard <i>Hazard curves, spectral shapes, importance coefficients and return periods: insight from recent PSHA studies</i></p> <p>Chairperson: Roberto Paolucci</p>	
11:45 - 12:00	<p>ESC Invited Lecture: Pablo Iturrieta</p>	<p>ESC - S20 6048 - Validation of a simplified approach for evaluating soil-structure interaction effects on the seismic response of masonry buildings ∞ <i>Annachia ra Piro, Nicola Traghi, Filomena de Silva, Fulvio Parisi, Maria Rosaria Gallipoli and Francesco Silvestri</i></p>				

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12:00 - 12:15	<i>Sharing and reproducing experiments of earthquake forecasting: designing open Floating Testing Experiments</i>	ESC - S20 2834 - Monitoring buildings at INFP for seismic vulnerability mitigation ∞ <i>Stefan Florin Balan, Bogdan Felix Apostol, Alexandru Tiganescu and Anton Dane t</i>	EAAE - SADBS 5799 - Modelling the post-capping flexural response of rectangular reinforced concrete columns ∞ <i>Milena Tomić, Anže Babič and Tatjana Isaković</i>	EAAE - SHEFRA 7704 - Probabilistic seismic hazard and risk assessment of Thessaloniki, Greece ∞ <i>Stefania Apostolaki, Evi Riga and Dimitris Pitilakis</i>	EAAE - SS03 4995 - Regression models and intensity measure pairs for offshore wind turbine multi-hazard fragility functions ∞ <i>Ziliang Zhang, Raffaele De Risi and Anastasios Sextos</i>	EAAE - SHM 5576 - Structural characterization of an arch bridge in Italy using wave propagation analysis ∞ <i>Nicola Tragni, Bojana Petrovic, Vincenzo Serlenga, Maria Rosaria Gallipoli, Felice Carlo Pozzo and Rocco Ditommaso</i>
12:15 - 12:30	ESC - S19 9816 - Assessing and Measuring Moment Tensor Uncertainty in Global Moderate Magnitude Earthquakes ∞ <i>Thomas Garth, Karin Sigloch and Dmitry Storchak</i>	ESC - S20 7451 - Observations and simulations of seismic soil-structure interaction effects at building and urban scale ∞ <i>Andrea Brunelli, Filomena de Silva and Serena Cattari</i>	EAAE - SADBS 2878 - Experimental cyclic performance of glass fiber reinforced gypsum (GFRG) wall panels with and without concrete filled cells ∞ <i>Beyza Kapucu Guzelbulut and Oguz Cem Celik</i>	EAAE - SHEFRA 8656 - Fragility assessment of rocking colonnades ∞ <i>Spyridon Diamantopoulos and Michalis Fragiadakis</i>	EAAE - SS03 7596 - An integrated approach for exposure modelling to improve losses estimation at regional scale ∞ <i>Maria Polese, Marco Di Ludovico, Gabriella Tacchi and Andrea Prota</i>	EAAE - SHM 4597 - Digital twins for post-earthquake damage assessment of free-standing buildings including damage information ∞ <i>Bryan German Pantoja-Rosero, Radhakrishna Achanta, Amir Rezaie and Katrin Beyer</i>
12:30 - 12:45	ESC - S19 5942 - Automated High Resolution Catalog for the 2020 Mw 7.3 Samsos earthquake ∞ <i>Ioannis Fountoulakis and Christos Evangelidis</i>	ESC - S20 3215 - Numerical Coupling of Structural Response and Ground Motion in Multi-scale 3D Physics Based Simulations ∞ <i>Srihari Sangaraju, Roberto Paolucci and Chiara Smerzini</i>	EAAE - SADBS 5953 - The Great Mosque of Algiers – Seismic Calculation and Earthquake Safety Measures ∞ <i>Jan Akkermann and Dan Constantinescu</i>	EAAE - SHEFRA 8771 - Seismic Fragility Functions of Bridge Pylons: Effects of Rayleigh-surface waves ∞ <i>Carolina Franco, Yaël Perraud and Charis T Chatzigagos</i>	EAAE - SS03 1764 - A single deep learning model for portfolio risk analysis ∞ <i>Luis Martins and Vitor Silva</i>	EAAE - SHM 4206 - Ambient modal identification applied to a school building in Girona (Spain) ∞ <i>Luis G. Pujades Beneit, Ramon González-Drigo, Nieves Lantada and Antoni Blázquez</i>
12:45 - 13:00	ESC - S19 7474 - Routine estimation of standard body- and surface-wave magnitudes for ISC Bulletin using globally available waveform data ∞ <i>Natalia Poiata and Domenico Di Giacomo</i>	ESC - S20 1808 - Frequency vs. time-domain analysis for the calculation of foundation stiffness and damping ∞ <i>Chiara Amendola, Filomena de Silva, Dimitris Pitilakis and Francesco Silvestri</i>	EAAE - SADBS 6563 - Seismic behaviour of prefabricated large panel reinforced concrete buildings considering the effect of local soil conditions ∞ <i>Svetlana Brzev, Zeljko Zugic and Merita Guri</i>	EAAE - SHEFRA 6896 - The applied methodology for national seismic risk assessment: uncertainties and open questions ∞ <i>Nina Serdar and Jelena Pejovic</i>	EAAE - SS03 4507 - Earthquake loss assessment for earthquake insurance ∞ <i>Mustafa Erdik</i>	EAAE - SHM 6991 - Monitoring Solutions for Supporting Immediate Post-Earthquake Decision-Making ∞ <i>Derek Skolnik and Mauricio Ciudad-Real</i>
13:00 - 14:00	Lunch Break					
14:00 - 14:45	JOINT KEYNOTE LECTURE: ALPER ILKI - Seismic Risk Assessment and a Preliminary Cost-Benefit Evaluation on Intervention Options: Building Stock of Istanbul "Unirii" Hall - Chairperson: Andreas Kappos, Cristian Arion					
14:55 - 15:10	ESC - S19 - (PART III) 3909 - A sensitivity analysis of sequence-based seismic hazard assessment for the United Kingdom ∞ <i>Mabel Orlacchia, Pasquale Cito and Lucia Iervolino</i>	ESC - S20 - (PART III) 6149 - Testing machine learning algorithms for earthquake building damage prediction ∞ <i>Subash Ghimire and Philippe Guéguen</i>	EAAE Theme Lecturers: Dominik Lang <i>Peculiarities of seismic risk in hilly regions: topographic effects on hazard and vulnerability</i> Chairperson: Pierre Labbé		EAAE Theme Lecturers: Rita Bento <i>Analysis Case Studies in Evaluation, Rehabilitation and Reconstruction of the Built Heritage</i> Chairperson: Katrin Beyer	
15:10 - 15:25	ESC - S19 1091 - Study of seismic parameters over time and space: application to Lorca's series ∞ <i>David Montiel-López, Sergio Molina-Palacios, Juan José Galiano-Merino and Igor Gómez-Doménech</i>	ESC - Session 10 Recent advances in Archeoseismology: historical monuments as "stone" seismometers <i>Conveners: Diego Mercerat, Arnaud Montabert, Cédric Giry, Maria Lancieri</i> 4844 - Can ancient multi-drum columns be used as "stone" seismometers? ∞ <i>Loizos Papalouzaou, Ernestos Sarris, Panayiotis Polycarpou, Marias Kyriakides and Petros Komadromos</i>	EAAE - SADBS <i>Conveners: Katrin Beyer, Iolanda Craifaleanu</i> 0999 - Parametric Study of the Seismic Response of RC Walls Coupled by Slabs ∞ <i>Antonio Janevski, Miha Remec and Tatjana Isaković</i>		EAAE - SHEFRA <i>Conveners: Vitor Silva, Laurentiu Danciu</i> 0153 - Seismic vulnerability assessment of masonry buildings in the education sector in Romania ∞ <i>Alexandra Scupin, Radu Văcăreanu and Florin Pavel</i>	
15:25 - 15:40	ESC - S19 5471 - Validation of early seismicity forecasting based on ETAS model using a simulation-based Bayesian workflow ∞ <i>Hossein Ebrahimian and Fatemeh Jalayer</i>	ESC - S10 8448 - Absence and presence. The power of images in Building Archaeoseismology ∞ <i>Margherita Ganz</i>	EAAE - SADBS 3739 - In-plane behavior of R/C slabs with openings ∞ <i>Asimina Athanopoulou, Grigoris Manoukas and Athanasios Pavloudis</i>	EAAE - SHEFRA 4040 - Spectral velocity- and energy-based intensity measures ∞ <i>Yeudy F. Vargas-Alzate, Ramon Gonzalez-Drigo, Jorge A Avila-Haro, Rodrigo E. Alva, Luis G. Pujades and Rodolfo J. Tirado-Gutiérrez</i>	EAAE - SS03 5426 - Earthquake loss models in Turk Reinsurance Inc.'s catastrophic event modeling platform (CatMod) for portfolio losses ∞ <i>Sinan Akkar, Ufuk Yazgan and Onur Ulku</i>	EAAE - SS06 Life Cycle Thinking: integrated renovation strategies targeting safety and sustainability of existing buildings 3317 - Life Cycle Thinking principles for the design of sustainable seismic retrofit interventions ∞ <i>Chiara Passoni, Simone Labbè, Andrea Belleri, Alessandra Marini and Rui Pinha</i>
15:40 - 15:55	ESC - Session 37 The collection, processing, homogenization, analysis and representation of multisource non-instrumental data on earthquake effects <i>Conveners: Ina Cécic, Valerio De Rubeis, Iren Adelina Moldovan, David J. Wald</i> ESC Invited Lecture: David J. Wald <i>Towards Developing and Implementing an International Macroseismic Scale (IMS) for Earthquake Engineering, Earthquake Science, and Rapid Damage Assessment</i>	ESC - S10 6672 - Operational Modal analysis of Five historical Bell towers in the mugello basin (Tuscany, Italy) ∞ <i>Diego Mercerat, Arnaud Montabert, Cédric Giry, Maria Lancieri and Andrea Arrighetti</i>	EAAE - SADBS 1499 - Nonlinear performance of high strength steel reinforced circular concrete columns ∞ <i>Yuriy Kikhany and Giuseppe Lamiento</i>	EAAE - SHEFRA 6367 - Syner-G+: prospect of systemic seismic risk assessment of interconnected system ∞ <i>Astha Poudel, Evi Riga and Kyriazis Pitilakis</i>	EAAE - SS03 2939 - Earthquake Losses in the Middle East: Potential Strategies to Improve Insurance Affordability ∞ <i>Vitor Silva and Jamal Dabbeek</i>	EAAE - SS06 3392 - Application of a life cycle framework for optimal seismic vulnerability and energy efficiency retrofitting of buildings ∞ <i>Martina Caruso, Rui Pinho, Federica Bianchi, Francesco Cavallieri and Maria Teresa Lemmo</i>
15:55 - 16:10		ESC - S10 2056 - Damage and destruction at Anfeh Castle, coastal Lebanon: evidence of a new active seismic source ∞ <i>Ata Elias</i>		EAAE - SHEFRA 6051 - Earthquake Insurance Gaps for Canadian Homeowners ∞ <i>Katsuichiro Goda</i>		EAAE - SERBS Seismic Evaluation and Rehabilitation of Buildings and Structures <i>Conveners: Rita Bento, Rui Pinho</i> 9206 - Numerical investigation on the effect of different shape memory alloys' material characteristics on energy dissipative cushions ∞ <i>Furkan Çalm, Ahmet Güllü and Ercan Yüksel</i>
16:10 - 16:30	Coffee Break					
16:30 - 16:45	ESC - S37 1660 - Internet macroseismology in Romania ∞ <i>Iren Adelina Moldovan, Liviu Manea, Angela Petruta Constantin, Constantin Ionescu and Andreea Predoiu</i>	ESC - Session 28 Structure and Seismicity in the Central Mediterranean, Pannonian, and Carpathian Region: from seismic networks and experiments to seismic catalogues and models <i>Conveners: Petr Kolínský, Irene Mallinarí, Giuliana Bossi, Jasin Stinčević, Constantin</i>	EAAE - SADBS 0246 - Updating fragility curves with experimental data ∞ <i>Gidewon Tekeste and António Correia</i>	EAAE - SHEFRA 1782 - Assessing the Value of Information in Site-Response Analysis ∞ <i>Haifa Tebib, John Douglas and Jennifer Roberts</i>	EAAE - SS07 Modelling Rocking Systems ∞ 5239 - Rocking Response of Rigid Block with Superelastic Tendon Restraint ∞ <i>Sheng Li, Hing-Ho Tsang and Nelson Lam</i>	EAAE - SERBS 4606 - Study of in-plane behaviour of strengthened rubble stone masonry walls ∞ <i>Madalena Ponte, Andrea Penna and Rita Bento</i>

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16:45 - 17:00	ESC - S37 7034 - New approaches to Intensity Evaluation ∞ Carlos Oliveira	Ionescu, Thomas Meier, Athanasios Gano, Andrei Bala ∞ ESC Invited Lecture: Ian Bastow <i>Broadband seismological analyses in the Eastern Mediterranean: implications for plateau uplift and the development of the North Anatolian Fault</i>	EAAE - SADB5 5477 - Investigation of the effectiveness of the roof in-plane stiffness in industrial precast reinforced concrete building ∞ Liana Ostetto, Romain Sousa, Paulo Fernandes and Hugo Rodrigues	EAAE - SHEFRA 8985 - Seismic fragility assessment of two low-rise equipment-supporting RC industrial buildings ∞ Athanasia Kazantzi, Nikolaos Karafotis, Vasileios Melissianos, Konstantinos Bakalis and Dimitrios Vamvatsikos	EAAE - SS07 7792 - The sensitivity of rocking response of rigid blocks to impact modelling assumptions ∞ Huanian Zhu, Manolis Chatzis and Sinan Acikgoz	EAAE - SERBS 5295 - Rammed earth for modelling and standardization in seismically active areas: the RE-forMS project ∞ Ivan Kraus, Ana Perić, Jelena Kaluder, Lucija Kraus, Paulina Kralo, Mihaela Domazetović, Dario Iljkić, Ivana Varga, Ivana Brkančić Mihić and Marin Grubišić
17:00 - 17:15	ESC - S37 1563 - Towards Developing and Implementing an International Macroseismic Scale (IMS) for Earthquake Engineering, Earthquake Science, and Rapid Damage Assessment ∞ David Wald, Vince Quitoriano, Tatiana Goded, Ayse Hortacsu, Robin Spence and Valerio de Rubéis	ESC - S28 1143 - Spatial Correlation between Intraplate Volcanism and Thin Lithosphere in the Circum-Mediterranean: New Evidences from Surface Wave Tomography and Thermomechanical Modelling ∞ Amr El-Sharkawy, Thor Hansteen, Carlos Clemente-Gomez, Javier Fulla, Sergei Lebedev and Thomas Meier	EAAE - SS09 Integrated seismic and energy retrofit of buildings ∞ 0637 - Combined seismic and environmental upgrading of existing buildings: the programme of the EAAE Working Group ∞ Licia Felicioni, Paolo Negro, Naida Ademovic, Elvira Romano, Alessandra Marini, Chiara Passoni, Andrea Belleri, Rui Pinho, Martina Caruso, Kyriazis Pitilakis, Dimitris Pitilakis, Costantino Menna, Andrea Prota and Petr Hájek	EAAE - SHEFRA 5205 - Development of analytical fatality vulnerability functions for masonry buildings in Portugal ∞ Holger Lovon, Vitor Silva, Romeu Vicente and Tiago Ferreira	EAAE - SS07 3623 - Comparison of modelling approaches to rocking for hazard-consistent estimations ∞ Christian Málaga-Chuquitaype and Yu Shen	EAAE - SERBS 3724 - Multi-knowledge level seismic assessment procedure for reinforced concrete existing buildings ∞ Livio Pedone, Simona Bianchi and Stefano Pampani
17:15 - 17:30	ESC - S37 7688 - Towards a harmonized macroseismic database for Belgium ∞ Ben Neefs, Koen Van Noten and Thierry Camelbeek	ESC - S28 3575 - In search of activated faults in the Petrinja (Croatia) earthquake sequence of 2020-2021 ∞ Marijan Herak, Davorka Herak, Josip Stipčević and Iva Dasović	EAAE - SS09 3740 - In-plane cyclic tests of URM walls strengthened with an innovative external steel modular framing system ∞ Luca Albanesi, Carlo Manzini and Paolo Morandi	EAAE - SS04 Geotechnical Seismic Isolation ∞ 7291 - Vision for Global Collaboration on Geotechnical Seismic Isolation (GSI) ∞ Hing-Ho Tsang	EAAE - SS07 1078 - Designing for earthquake induced rotational and translational components in symmetrical and asymmetrical steel structures ∞ Nikos Pnevmatikos, Styliani Papatzani, Georgios Papagiannopoulos and Georgios Hatziogeorgiou	EAAE - SERBS 4395 - Finite element analysis of shear resistance of post-installed anchors used for joints between existing reinforced concrete frames and external seismic retrofitting reinforced concrete members with dampers ∞ Yusuke Maida, Yuta Nakano, Hiroyasu Sakata, Takumi Sato, Yutaro Ishida and Masaharu Kubota
17:30 - 17:45	ESC - S37 9915 - Data improvement of historical earthquakes using flashbulb memory ∞ Mihail Garevski, Valentina Luckova, Marina Kordaska, Tanja Ilievska and Ognen Garevski	ESC - S28 8849 - Crustal structure of the East European Craton beneath the Carpathian Orogen revealed by attenuation tomography ∞ Felix Borleanu, Laura Petrescu, Ioan Seghed, Christine Thomas and Luca De Siena	EAAE - SS09 5386 - Novel integrated seismic and energy retrofitting of masonry-infilled RC frames using prefabricated textile capillary tube panels ∞ Eun-Rim Baek, Daniel Pohoryles, Stylianos Kalliaros, Dionysios Bournas and Tae-Hyeong Kim	EAAE - SS04 0984 - Dynamic Behaviour of a Geotechnical Seismic Isolation System with Rubber-Sand Mixtures to Enhance Seismic Protection ∞ Juan Bernal-Sanchez, John McDougall, Marina Miranda-Manzanares and Daniel Barreto	EAAE - SS07 1502 - Non-linear Structural Performance of Self-Centering Bridge Piers with Shape Memory Alloy Bars ∞ Sedef Kocakaplan, Ehsan Ahmadi and Mehdi Khashan i	EAAE - SERBS 6987 - A Detail Seismic Evaluation Method of Existing RC Buildings Combining Japanese and American Seismic Evaluation Standards ∞ Matsutaro Seki, Bidhan C. Dey, Yusuke Nakajima and Tatsuo Azuhata
17:45 - 18:00	ESC - Session 21 Historical earthquake data: strength and limitations Conveners: Mihaela Popa, Iren Adelina Moldovan, Andrea Rovida, Christa Hammerl ∞ 7045 - Communicating low-magnitude earthquakes in SE Finland in 1751-1752 ∞ Päivi Mäntyniemi	ESC - S28 9987 - 3D Vs model of the broader Pannonian region from the joint inversion of earthquake and ambient noise surface wave tomography ∞ Máté Timkó, Amr El-Sharkawy, Lars Wiesenberg, László Fodor, Zoltán Weber, Sergei Lebedev and Thomas Meier	EAAE - SS09 8749 - A pilot project on the integrated seismic and energy retrofit of European buildings ∞ Konstantinos Gkatzogias, Daniel Pohoryles, Elvira Ramona, Ana Veljkovic, Silvia Dimova, Georgios Tsionis, Paolo Negro, Dionysios Bournas and Maria Luisa Sousa	EAAE - SS04 1528 - The geotechnical seismic isolation of historical buildings through polyurethane injections: a numerical study ∞ Michele Placido Antonio Gatto and Lorella Montrasio	EAAE - SS07 5751 - A comparative investigation of two flexible rocking oscillator models ∞ Zheng-You Zhang, Manolis Chatzis and Sinan Acikgoz	EAAE - SERBS 0500 - Passivization of buildings and structures of the city of Almaty in order to inspect them for earthquake resistance ∞ Ymatsutaro Seki, Bidhan C. Dey, Yusuke Nakajima and Tatsuo Azuhata
18:00 - 18:15	ESC - S21 8573 - Was Antiquity seismically more active than the Middle Ages? – Roman earthquakes in Pannonia and Dacia ∞ Miklos Kazmer, Erzsébet Györi and Krzysztof Gaidzik	ESC - S28 5543 - High seismicity in Vrancea zone (Romania) suite of geodynamic and tectonic processes ∞ Dumitru Ioane and Irina-Marilena Stanciu	EAAE - SS09 2632 - Taylor-made seismic screening - essential tool for sustainable energy efficiency of buildings ∞ Veronika Shendova, Roberta Apostolska and Vlatko Sesov	EAAE - SS04 2546 - Methodologies and design parameters that influence the efficiency and sustainability of geotechnical seismic isolation systems ∞ Anastasios Tsiavos	EAAE - SS07 5734 - Seismic Performance of Double Rocking Walls ∞ Michele E. Bressanelli, Andrea Belleri, Alessandra Marini, Paolo Riva and Stefano Cademartori	EAAE - SERBS 5282 - Real-Time estimation of buildings' seismic damage in City-Scale using an Artificial Neural Network based software application ∞ Konstantinos Morfidis, Olga Markogiannaki and Sotiria Stefanidou
18:15 - 18:30			EAAE - SS09 3448 - Economic evaluation of combined seismic and energy retrofitting of the European building stock ∞ Daniel Pohoryles, Carmen Maduta, Dionysios Bournas and Leonidas Kouris	EAAE - SS04 3680 - Large scale experimental investigation of gravel rubber mixture layers as a low-cost geotechnical seismic isolation system ∞ Athanasios Vratsikidis, Anastasios Kapouliaris, Dimitris Pitilakis and Anastasios Anastasiadis	EAAE - SS07 9310 - Statistical Validation of a Rocking Numerical Model ∞ Natalia Reggiani Manzo, Michalis Vassiliou, Harris Mouzakis and Efstratios Badogiannis	EAAE - SERBS 6890 - The behavior of R/C columns before and after FRP strengthening under seismic type loadings ∞ Lazaros Melidis, Dadoulis Georgios and Konstantinos Katakalos
18:30 - 18:45			EAAE - SS10 Seismic rehabilitation and retrofit of structures ∞ 4421 - Seismic Vulnerability Assessment of Planalto Palace ∞ Philippe Queiroz Rodrigues, João da Costa Pantoja and Paulo de Souza Tavares Miranda	EAAE - SS04 5723 - Innovative seismic isolation system for new and existing structures ∞ Gianluca Fasano, Giuseppe Astuto, Emilio Bilotta and Alessandra Flora	EAAE - SS07 9021 - Preliminary results of energy-based intensity measures for rigid rocking blocks subjected to single pulses ∞ Stefano Cademartori, Andrea Belleri, Alessandra Marini and Michele Bressanelli	EAAE - SERBS 6095 - Decision support system for earthquake risk mitigation for hospitals and health facilities ∞ Sarvenaz Amini Haji Bashi, Alireza Azarbakht and John Douglas
18:45 - 19:00			EAAE - SS10 9435 - Development of web-based tools for multi-scale vulnerability assessment of roadway bridges ∞ Barbara Borzi, Davide Bellotti, Antonino Famà, Carlo Filippo Manzini, Paolo Morandi, Pagano Marco and Davide Quaroni	EAAE - SS07 3660 - Optimal design of self-centering multiple rocking systems ∞ Ameer Marzok and Oren Lavan		EAAE - SERBS 6187 - Results from the parametric study of the number and arrangement of dowels for the seismic strengthening of RC frames with RC infill walls ∞ Elpida Georgiou, Nicholas Kyriakides and Christis Chrysostomou
18:00 - 19:30	Poster Session III					
ESC Session 19	5990 - Analysis of the relationship between geochemical data and seismicity parameters for the development of a procedure for OEF Victorin Emilian Toader, Iren Adelina Moldovan and Andrei Mihai 7937 - Analysis of seismicity in North Eastern part of Romania for the last three decade Cristian Ghita, Mihail Diaconescu, Eduard Gabriel Constantinescu and Iren Adelina Moldovan 4756 - Multi-parametric location and time-domain source parameter estimation of induced earthquakes: application to The Geysers Geothermal field Raffaele Rea, Valeria Longobardi, Grazia De Landro, Simona Colombelli, Sahar Nazeri, Alessandro Caruso and Aldo Zollo 0829 - Imaging the changes in the clustering properties of deep low-frequency earthquakes caused by the occurrence of the 2010 long-term slow slip event in Western Shikoku, Japan Anco Opris, Keisuke Ariyoshi, Takahiro Hatano and Takane Hori					
ESC Session 20	4785 - Soil-building resonance effect in the urban area of Villa d'Agri town (southern Italy) Giovanni Gangone, Maria Rosaria Gallipoli, Nicola Tragni, Luigi Vignola and Riccardo Caputo 3323 - Influence of a close foundation on the dynamic stiffness of a strip footing Enza Zeolla, Filomena de Silva and Stefania Sica					

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ESC Session 16	<p>0129 - A web service providing parametric data from Cryo-generated seismic events in Greenland <i>Peter Voss, Trine Dahl-Jensen, Tine B. Larsen and Nicolai Rinds</i></p> <p>1732 - Seismic activity in Bransfield strait, Antarctica between 2020 and 2022 as recorded on seismic station LIVV <i>Gergana Georgieva, Liliya Dimitrova, Dragomir Dragomirov and Valentin Buchakchiev</i></p>					
ESC Session 37	<p>9612 - Combining macroseismic intensity felt reports using ShakeMap <i>Vince Quitoriano and David Wald</i></p> <p>5623 - Analysis of recent macroseismic data collected through online and classic questionnaires: uncertainties, discrepancies and limitations <i>Angela Constantin, Liviu Manea, Iren Adelina Moldovan and Constantin Ionescu</i></p>					
ESC Session 21	<p>3117 - Destructive earthquakes occurred in Bulgaria at the beginning of the 20th century <i>Plamena Raykova, Stela Simeonova, Dimcho Solakov and Irena Aleksandrova</i></p> <p>2773 - Analogous period of seismic measurements in Romania <i>Andreea Chircea, Mihaela Popa and Raluca Dinescu</i></p>					
EAAE - SADBBS	<p>2310 - Seismic performance of URM buildings: a probabilistic approach <i>Jorge A. Avila-Haro, Ramón González-Drigo, Yeudy F. Vargas Alzate, Rodrigo E. Alva Bañuelos and Lluís Pujades Beneit</i></p> <p>2560 - Generation of seismic resonance vulnerability maps through interpolation method <i>Gonzalo Alejandro Ramirez, Adolfo Preciado, Hortensia Flores, Leonardo Alcantara and Juan Carlos Santos</i></p> <p>5692 - Analytical study regarding the seismic response of the reinforced concrete frame model according to performance objectives <i>Ian Sococol and Petru Mihai</i></p> <p>1857 - Experimental research on a vibro platform in regard to panels as stiffeners of a structure <i>Milos Stokuca and Golubka Necevaska-Cvetanovska</i></p>					
EAAE - SHEFRA	<p>4699 - On the Effects of Ground Motion Model Epistemic Uncertainties on Site-specific Hazard Curves in Iceland <i>Milad Kowsari, Saeid Ghosemi, Farnaz Bayat and Benedikt Halldorsson</i></p> <p>9974 - Seismic risk analysis for historic areas. Case study: Fabric district, Timisoara European Capital of Culture 2022 <i>Iasmina Onescu, Eugen Onescu and Marius Mosarca</i></p> <p>7204 - Harmonization of vulnerability index method for seismic assessment of Skopje Old Bazaar <i>Aleksandar Zlateski and Veronika Shendova</i></p>					
EAAE - SHM	<p>7949 - Seismic Monitoring System on "Crveni Muij" Dam <i>Marta Stajmanovska, Dragi Dojcinovski, Marina Poposka, Goran Chapragoski, Stevo Savic, Tatjana Sarenač, Maja Stanoevic, Sinisa Novicic and Boris Ilic</i></p> <p>1955 - A new force balance accelerograph for earthquake and structural monitoring based on a linear geometry accelerometer <i>Nikos Geremis, Georgios Dimitrakakis, Efthimios Sokos and Pantelis Nikolakopoulos</i></p> <p>5776 - Seismic instrumentation of buildings in Romania: overview, challenges and future actions needed for a coordinated approach <i>Iolanda-Gabriela Craifaleanu, Claudiu-Sorin Dragomir, Alexandru Tiganescu, Alexandru Aldea, Radu Vacareanu, Daniela Dobre and Emil-Sever Georgescu</i></p> <p>4376 - Vulnerabilities of Low-cost Sensors to Electro Magnetic Interference <i>Timothy Lee-Lewis, Nikos Nanos and Christian Malaga Chuquitaype</i></p> <p>3836 - Amplitude dependence of natural frequency of the damaged RC building based on observed earthquake records <i>Kazuya Mitsuji and Ami Satoh</i></p> <p>6089 - Design and implementation of a remote data acquisition system for seismic noise measurements in building monitoring <i>Jornet-Monteverde Julio Antonio, Juan Jose Galiana-Merino and Soler-Llorens Juan Luis</i></p>					
EAAE - SERBS	<p>2006 - System Identification of a tall office building in Kathmandu, Nepal, using ambient vibration measurements <i>Ashim Niraula, Dipendra Gautam and Rajesh Rupakhety</i></p> <p>3495 - CFRP confining effect of concrete cylinder subjected to axial compression <i>Goran Chapragoski and Golubka Necevaska-Cvetanovska</i></p> <p>3667 - Characterization of Existing RC Buildings in Lisbon for Earthquake Risk Assessment <i>Valter Xavier, Rita Couto, Rita Bento, Ricardo Monteiro and José Miguel Castro</i></p> <p>9510 - Seismic evaluation of an existing Church Building <i>Alexandru Cosmin Dăescu, Tamás Nagy-György, Cătălin Călbăș and Ioșif Boros</i></p>					
EAAE - SEMS	<p>4523 - Implementation and validation of a wireless multichannel seismic noise recorder system <i>Juan Luis Soler-Llorens, Juan Jose Galiana-Merino, Julio Antonio Jornet-Monteverde, Sergio Molina Palacios, JosÉ Delgado-Marchal, Igor Gómez-DomÉnech and Vicent Alavés-Baeza</i></p>					
EAAE - SS09	<p>Seismic Resilience and Energy Efficiency in Public Buildings Project (SREEPB) <i>Esra Tombak, Serkan Narin, Mehtap Kumdağçı Can, Giray Şamil Yıldırım, Dilek Avar, İsmail Ozan Demirel</i></p>					
18:00 - 20:00	WORKING GROUP MEETINGS		EMSC General Assembly "C.A. ROSETTI" Hall - Floor S1			
EAAE WG15 "AGRICULTURE PARLIAMENTARY COMMISSION" Hall						
Meeting of the Consortium of Organizations for Strong Motion Observation System "NICOLAE BĂLCESCU" Hall - Floor P						
Thursday 8 September 2022						
09:00-09:45	JOINT KEYNOTE LECTURE: Dr. Inge Lehmann Keynote Lecture HELLE A. PEDERSEN - <i>New seismic imaging methods in Europe using noise</i> "Unirii" Hall - Chairperson: Maria José Jiménez					
09:55 - 10:10	<p>ESC - Session 08 Earthquake nests: seismotectonics and clustering features <i>Conveners: Mircea Radulian, Alik Ismail-Zadeh, Götz Bokelmann, Adrien Oth</i></p> <p>☺</p> <p>6062 - Pinballing across the fault plane: the 1.5-year-long migration of earthquakes in the Bitdalsvatnet swarm (Telemark, S Norway) ∞ <i>Felix Halpaap and Lars Ottemöller</i></p>	<p>ESC - Session 15 Seismo-acoustic and discrimination studies <i>Conveners: István Bondár, Daniela Ghica, Ulrike Mitterbauer, Patrick Hupe</i></p> <p>☺</p> <p>ESC Invited Lecture:</p>	<p>EAAE Theme Lecturers: Pierre Labbé</p> <p><i>Revised description of seismic action in the next Eurocode 8</i></p>		<p>EAAE Theme Lecturers: Andrea Pena</p> <p><i>Extending analysis capabilities of equivalent frame models for masonry structures</i></p>	

	ESC Sessions "C.A. ROSETTI" Hall Floor S1	ESC Sessions "NICOLAE BĂLCESCU" Hall Floor P	EAAE/ESC Sessions "MIHAI VITEAZU" Hall Floor P1	EAAE Sessions "UNIRI" Hall Floor P	EAAE Sessions "NICOLAE IORGA" Hall Floor P	EAAE Sessions "HUMAN RIGHTS" Hall Floor P
10:10 - 10:25	ESC - S08 5337 - The volcano-tectonic unrest in the Reykjanes Peninsula in Iceland in 2021 and the new seismic and strong-motion arrays in Southwest Iceland ∞ <i>Hanna Blanck, Dirk Roessler, Bernd Weber, Benedikt Halldorsson and Kristin S. Vogfjord</i>	Christoph Pilger <i>Multi-technology analysis of the January 2022 Hunga Tonga-Hunga Ha'apai explosive volcanic eruption from the perspective of CTBT monitoring</i>	Chairperson: Laurențiu Danciu		Chairperson: Rita Bento	
10:25 - 10:40	ESC Session 38 General Seismology. Earthquake Observation and New Challenges <i>Conveners: Constantin Ionescu, Mariana Jose Jimenez, Stefano Parolai, Sebastiano D'Amico (PART I)</i> ∞ ESC Invited Lecture: David J. Wald <i>The Future of Earthquake Impact Estimation</i>	ESC - S15 6555 - The Central and Eastern European Infrasonic Network ∞ <i>István Bondár, Tereza Šindelarová, Daniela Ghica, Ulrike Mitterbauer, Alexander Liaschuk, Jiri Baše, Jaroslav Chum, Csenge Czani, Constantin Ionescu, Cristian Neagoe, Marcell Pásztor and Alexis Le Pichon</i>	EAAE - SADBS Seismic Analysis and Design of Buildings and Structures <i>Conveners: Anil C. Wijeyewickrema, Dragos Marcu</i> ∞ 3251 - Estimation of small strain dynamic shear modulus from lab and in situ tests ∞ <i>Julijana Bojadžieva, Vlatko Sheshov, Kemal Edip, Aleksandra Bogdanovic, Toni Kitanovski, Irena Gjojajaska and Dejan Ivanovski</i>	EAAE - SHEFRA Seismic Hazard, Exposure, Fragility and Risk Analyses <i>Conveners: Athanasios Gkimprxis, Evi Riga</i> ∞ 9871 - Earthquake risk assessment and territorial management in the "Pla de Barcelona" ∞ <i>Mario A. Salgado-Gálvez, Martha Liliana Carreño, Stefania Grajales Noreña, Claudia Zinggerling and Carles Valls Feliu</i>	EAAE - SERBS Seismic Evaluation and Rehabilitation of Buildings and Structures <i>Conveners: Stefano Grimag, Petra Malisan</i> ∞ 8177 - Seismic retrofit of a RC school building with traditional and innovative techniques ∞ <i>Milena Casto, Fabio Menardo, Matteo Rosti, Daniele Perrone, Giuseppe A. Mesiano, Roberto Nascimbene and Maria A. Aiello</i>	EAAE - SS15 Response modification techniques for bridges ∞ 0584 - A methodology for performance-based optimum seismic design of joint gaps in bridges ∞ <i>Ioannis Mikes and Andreas Kappas</i>
10:40 - 10:55	ESC - S38 3619 - Groundwater monitoring for the Maltese Islands from ambient seismic noise correlations ∞ <i>Luca Laudi, Matthew R. Agius, Pauline Galea, Sebastiano D'Amico, Martin Schimmel and Thomas Lecocq</i>	ESC - S15 8640 - Seismo-acoustic event detection, localization and discrimination of a missile impact in Western Ukraine on March 18, 2022 ∞ <i>Bernd Weber, Péter Mónus, István Bondár, Dirk Rößler, Csenge Czani and Marcell Pásztor</i>	EAAE - SADBS 4158 - Numerical assessment of out-of-plane behaviour of rammed earth walls ∞ <i>Ana Perić and Ivan Kraus</i>	EAAE - SHEFRA 8151 - Empirical vulnerability curves for Icelandic low-rise buildings based on zero-inflated beta regression models ∞ <i>Bjarni Bessason, Rajesh Rupakthety and Jón Órvar Bjarnason</i>	EAAE - SERBS 5659 - Experimental test to evaluate the in-plane flexural behavior of hollow brick masonry walls with horizontal holess ∞ <i>Simone Labò, Alessandra Marini, Andrea Belleri and Stefano Cademartori</i>	EAAE - SS15 5592 - Controlling bridge seismic demands using non-contact lap splices and ultra-high performance concrete ∞ <i>Kevin Mackie, Georgios Apostolakis and Tiancheng Wang</i>
10:55 - 11:10	ESC - S38 2382 - Prediction Models for Vertical Ground Motion for Italy and France ∞ <i>Fadel Ramadan, Giovanni Lanzano, Chiara Smerzini, Francesca Pacor, Paola Traversa and Chiara Felicetta</i>	ESC - S15 1420 - Tracking repeating explosive sources at near-regional ranges using seismo-acoustic analysis ∞ <i>Daniela Ghica, Ulrike Mitterbauer and Constantin Ionescu</i>	EAAE - SADBS 8472 - Numerical modelling of the cyclic behaviour of clay brick and lime mortar masonry elements ∞ <i>Yu-Tao Guo, Dan V. Bampa and Ahmed Y. Elghazouli</i>	EAAE - SHEFRA 1817 - Debunking seismic vulnerability of Bhutanese buildings ∞ <i>Dipendra Gautam, Nimesh Chettri and Rajesh Rupakthety</i>	EAAE - SERBS 2924 - Seismic performance and numerical modelling of existing large precast industrial buildings not designed for earthquake resistances ∞ <i>Bruno Dal Lago, Luca Capacci and Fabio Biondini</i>	EAAE - SS15 8905 - Rocking piers with non-conventional configuration for ABC ∞ <i>Ioannis Thomaidis, Andreas Kappas and Alfredo Camara</i>
11:10 - 11:30	Coffee Break					
11:30 - 11:45	ESC - S38 - (PART II) 9436: The Swedish National Seismic Network ∞ <i>Michael Roth, Björn Lund, Peter Schmidt, Zaher Hossein Shomali and Gunnar Eggertsson</i>	ESC - Session 30 Seismic site response: case studies, issues and new challenges <i>Conveners: Aysgul Askan, Marco Pilz, Sebastiano D'Amico (PART I)</i> ∞ 1218 - Use of the attenuation laws of the Next Generation Attenuation of Ground Motion (NGA) project in Guatemala ∞ <i>Rolando Torres, Janeth De Paz, Frau Carlos and Jorge Campa</i>	EAAE Theme Lecturers: Viorel Popa <i>Impact of long period ground motions on the design of concrete structures</i> Chairperson: Christoph Betenweg		EAAE Theme Lecturers: Katrin Beyer <i>Drift capacity models for the new masonry chapter of EC8 Part 1</i> Chairperson: Humbero Varum	
11:45 - 12:00	ESC - S38 8521 - EPOS Data Portal - cross-disciplinary data access in the Solid Earth domain ∞ <i>Jan Michálek, Daniele Bailo, Keith G. Jeffery, Kuvvet Atakan and Rossana Paciello</i>	ESC - S30 8382 - New site amplification functions for key geological units in Iceland ∞ <i>Sahar Rahpeyma, Benedikt Halldorsson, Birgir Hrafnkelsson and Atefe Darzi</i>	EAAE - SADBS 0282 - Seismic Behaviour of a Precast Industrial Building Employing Ultra-Long-Span Beams Suspended on Stay Cables ∞ <i>Bruno Dal Lago and Sofo Vlachaki Karagiannopoulou</i>		EAAE - SERBS 9481 - Experimental Investigation of Recycled Rubber Concrete Columns under Cyclic Loading ∞ <i>Kristina Jeleč, Marin Grubišić and Tanja Kalman Sipos</i>	EAAE - SS02 Performance-based seismic design of buildings and bridges using seismic protection devices: Seismic isolation, tuned mass dampers and energy dissipation systems ∞ 8713 - Seismic Response Control of a Base-Isolated Building Using Double Mass Tuned Damper Inerter (DMTDI) ∞ <i>Salah Djerouni, Rajesh Rupakthety and Said Elias Rahimi</i>
12:00 - 12:15	ESC - S38 5278 - Progress and Challenges Toward the Development of a Uniform Moment Magnitude Catalog for Eastern Canada ∞ <i>Allison Bent, Kevin Mayeda, Jorge Roman-Nieves, David Shelly and Justin Barno</i>	ESC - S30 7612 - Equivalent linear site response analysis in time domain with LS Dyna: a case study ∞ <i>Danilo Tarquini, Sunay Stauble and Andrii Nykyforchyn</i>	EAAE - SADBS 0475 - Braceless seismic restraints for suspended nonstructural elements ∞ <i>Bryan Chalarca, Andre Filiatrault, Daniele Perrone and Roberto Nascimbene</i>	EAAE - SHEFRA 8257 - Impact of exposure spatial resolution on seismic loss estimates in regional portfolios ∞ <i>Jamal Dabbeek, Helen Crowley, Vitor Silva, Graeme Weatherill, Cecilia I. Nieves and Nicole Paul</i>	EAAE - SS02 1504 - Seismic Response of Core Wall Building with Friction-Based Force-Limiting Connections ∞ <i>Kyoungeon Lee, Kaixin Chen and Georgios Tsampras</i>	
12:15 - 12:30	ESC - S38 2555 - Project of Seismic Beacon – harmonic seismic wave generator and detection of changes in the rock massif ∞ <i>Renata Lukešová, Jiří Málek and Petr Kolínský</i>	ESC - S30 7956 - Comparing site response using shear wave velocities from model and field data ∞ <i>Pauline Kruever, Manos Pefkas, Malgorzata Chmiel and Anais Lavoué</i>	EAAE - SADBS 8048 - Seismic Demand on Acceleration-Sensitive Non-Structural Elements in Post-Tensioned Timber Frames ∞ <i>Alessandra Miliziano, Lydell Wiebe, Stefano Pampiani, Daniele Perrone and André Filiatrault</i>	EAAE - SHEFRA 8695 - Seismic risk assessment as a basis for sustainable urban development - pilot case Karposh district in Skopjes ∞ <i>Kefajet Edip and Roberto Apostolska</i>	EAAE - SERB 9226 - A Comparative Seismic Performance Assessment Study Of The Turkish Seismic Codes On An Existing Building ∞ <i>Sahin Dede and Ufuk Hancilar</i>	EAAE - SS02 5054 - A new multiphase tube in tube damper for seismic protection of structures ∞ <i>Julio Arcos-Espada, Hermes Ponce-Parra, David Escolano-Margarit and Amadeo Benavent-Climent</i>
12:30 - 12:45	ESC - S38 2080 - Source parameters and shakemap (PGV) for the Mag. 5 North Sea earthquake on 2022-03-21 ∞ <i>Celso Alvizuri, Chen Huang, Annie Jerkins, Johannes Schweitzer and Volker Oye</i>	ESC - S30 6998 - Site Characterization and Site Response Study in Georgia ∞ <i>Nino Tsereteli, Iolanda Gaudiosi, Lasha Ghudushauri, Tamar Shubladze and Nazi Tugushi</i>	EAAE - SADBS 2067 - Reinforced concrete walls detailed with shape memory alloys: recent experimental and numerical investigations ∞ <i>Ryan Hout, Joao Almeida, Matthieu B. Lezaock and Aude Simar</i>	EAAE - SHEFRA 1038 - A brief note on the earthquake hazard module of Turk Reinsurance Inc.'s catastrophic event modeling platform for portfolio losses: Comparisons with OpenQuake ∞ <i>Sinan Akkar, Ozkan Kale, Ali Talha Atici and Onur Ulku</i>	EAAE - SERBS 8860 - Preliminary evaluation of the seismic vulnerability of low rise masonry structures based on self – diagnosis: a simple solution for improving public awareness on the risk level ∞ <i>Mircea Barnaure</i>	EAAE - SS02 9698 - Seismic Protection of a Reinforced Concrete Moment-Frame Building using Resonant Metamaterials: Finite Element Model Verification ∞ <i>Constantinos Kanellopoulos, Han Yang, Boris Jeremic, Ioannis Anastasopoulos and Bozidar Stojadinovic</i>
12:45 - 13:00	ESC - S38 3168 - Time residual analysis in the iterative process of earthquakes location with travel time tomograph ∞ <i>Gualtiero Böhm and Luca Marotto</i>	ESC - S30 6807 - Seismic hazard assessment in Menton, France: Topographical site effect zoning considering a semi-empirical approach and a Machine Learning scheme ∞ <i>Mathieu Allimant, Etienne Bertrand, Nathalie Glinisky and Celine Bourdeau</i>	EAAE - SADBS 2067 - Reinforced concrete walls detailed with shape memory alloys: recent experimental and numerical investigations ∞ <i>Ryan Hout, Joao Almeida, Matthieu B. Lezaock and Aude Simar</i>		EAAE - SERBS 6757 - A comparative study of rapid visual screening methods to detailed seismic assessment of a reinforced concrete residential building ∞ <i>Nurullah Bektaş and Orsalya Kegyes-Brassai</i>	

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13:00 - 14:00	Lunch Break					
14:00 - 14:45	JOINT KEYNOTE LECTURE: HUMBERTO VARUM - Insights on the seismic design of current RC buildings: Field lessons, codes and research needs "Unirii" Hall -- Chairperson: Mauro Dolce, Viorel Popa					
14:55 - 15:10	ESC - S38 - (PART III) 2702 - Quantifying the probability of multiple-structure rupture and recurrence intervals in Taiwan <i>Chung-Han Chan, Chieh-Chen Chang and Chih-Yu Chang</i>	ESC - S30 - (PART II) 5961 - Calibration of soil dilatancy parameters using CPT data – the case of Lucerne in central Switzerland ∞ <i>Paulina Janusz, Luis Fabian Bonilla, Vincent Perron and Donat Fäh</i>	EAAE Theme Lecturers: Florin Pavel <i>New insights on the seismic exposure and vulnerability of structures in Romania</i>		EAAE Theme Lecturers: Christoph Butenweg <i>Seismic design and evaluation of industrial facilities</i>	
15:10 - 15:25	ESC - S38 5378 - The concept of resonance in engineering seismology ∞ <i>Io n Vlad and Mirela Nausica Vlad</i>	ESC - S30 6853 - Parametric spectral inversion for North-eastern Italy ∞ <i>Laura Cataldi, Valerio Poggi, Giovanni Costa, Stefano Parolai and Benjamin Edwards</i>	Chairperson: Helen Crowley		Chairperson: Alper Ilki	
15:25 - 15:40	ESC - Session 02 Seismic anisotropy and shear-wave splitting: Achievements and perspectives <i>Conveners: George Kaviris, Yuan Gao, Lucia Margheriti</i> ∞ 3200 - An upper crust shear-wave splitting in Attica (Central Greece) based on recordings of the 1999 and 2018 earthquake sequences ∞ <i>George Kaviris, Ioannis Spingos, Vasilis Kapetanidis, Panayotis Papadimitriou, Christos Millas, Andreas Karakonstantis, Kyriaki Pavlou, Ioannis Kasarasa, George Drakatos, Nicholas Voulgaris and Kostas Makropoulos</i>	ESC - S30 3937 - Analysis of local seismic response in the historical city centre of Nafplio (Greece) ∞ <i>Benedetta Antonielli, Francesca Bazzano, Paolo Ciampi, Matteo Fiorucci, Roberto Iannucci, Daniele Inciocchi, Vassilis Karastathis, Charilaos Maniatakis, Salvatore Martino, Aggelos Mouzakiotis, Stefano Rivellino, Charalampos Saraglou, Constantine Spyros and Athina Tsirogiani</i>	EAAE - SADBS <i>Conveners: Christoph Butenweg, Dietlinde Köber</i> 3208 - Vertical floor response spectra of regular steel frame structures ∞ <i>Nadia Gremer and Christoph Adam</i>	EAAE - SHEFRA <i>Conveners: Katsuchiro Goda, Andreas Kappos</i> 4633 - Multiple-site (areal) characteristics of seismic hazard for design and risk-mitigation purposes: an example of implementation for Taiwan ∞ <i>Vladimir Sokolov, Wen-Yu Jean and Friedemann Wenzel</i>	EAAE - SERBS <i>Conveners: Ercan Yüksel, Amadeo Benavent Climent</i> 1569 - Seismic safety aspects of upgrading interconnected buildings ∞ <i>Martin Wieland</i>	EAAE - SS02 3118 - Impact of Design Errors in an Isolated Bridge: Does the Bridge Still Meet Seismic Performance Objectives? ∞ <i>Ezra Jampole, Amory Martin and Troy Morgan</i>
15:40 - 15:55	ESC - S02 3920 - Seismic Anisotropy Patterns and SWS Tomographic Images in the Alps and Apennines Subduction Environments ∞ <i>Judith Confal, Silvia Pondrelli, Paola Baccheschi and Manuele Faccenda</i>	ESC - S30 0170 - Bedrock depth characterisation below public buildings with a geothermal interest using ambient seismic noise ∞ <i>Koen Van Noten and Martin Zeckra</i>	EAAE - SADBS 8642 - Duration effects on seismic collapse of steel frames ∞ <i>Maria Liapopoulou, Peter J. Stafford and Ahmed Y. Elghazouli</i>	EAAE - SHEFRA 2288 - Seismic damage and implied traffic delay assessment for a highway bridge of Egnatia Odos Greece ∞ <i>Akrivi Chatzidakis, Angeliki Gerontati and Dimitrios Vamvatsikos</i>	EAAE - SERBS 8779 - Implications of modelling assumptions on the seismic assessment of URM structures through FE and SE-based approaches ∞ <i>Francesco Parisse, Rui Marques, Serena Cattari and Paulo B. Lourenço</i>	EAAE - SS02 3307 - Seismically isolated structures vs fixed-based structures: Shaking table tests on the inelastic response of the superstructure for different seismic hazard levels ∞ <i>Anastasios Tsiavos, Miguel Figueiredo Nunes and Bozidar Stojadinovic</i>
15:55 - 16:10	ESC - S02 9700 - Investigation of mantle anisotropy by shear-wave splitting analysis in two different tectonic settings, NW Namibia and Oman ∞ <i>Abolfazl Kameazi, Georg Rümpler, Ayoub Kaviani, Christian Weidle and Thomas Meier</i>	ESC - S30 1842 - 3D geological model and assigned geophysical properties aimed to improve the local seismic hazard analysis in Bucharest area ∞ <i>Andrei Bala, Dragos Toma Danila, Viorela Ciugudean Toma and Cristina Arion</i>	EAAE - SADBS 2331 - Response of R/C planar frames under concurrent action of horizontal and vertical seismic excitations ∞ <i>Asimina Athanopoulou, Grigorios Manoukas and Filippas Theodoros Tasioulas</i>	EAAE - SHEFRA 1534 - Processing Central Italy 2016-17 damage data to assess seismic vulnerability of Italian churches ∞ <i>Annalisa Rosti, Maria Rota, Caterina Carbone and Andrea Penna</i>	EAAE - SERBS 5213 - Alternative passive energy-based retrofit of an earthquake damaged reinforced concrete structure ∞ <i>Iacopo Costoli, Stefano Sorace and Gloria Terenzi</i>	EAAE - SS02 3782 - Low-cost and sustainable seismic isolation with re-used tennis balls: Lateral cyclic tests ∞ <i>Antonios A. Katsamakas, Mira Challet, Stefan Eyyi and Michalis F. Vassiliou</i>
16:10 - 16:30	Coffee Break					
16:30 - 16:45	ESC - Session 24 Induced and Triggered Seismicity Associated to Technological Activities <i>Conveners: Beata Orlecka-Sikora, Natalia Poiata, Stanislaw Lasocki, Enrico Priolo</i> ∞ 5370 - Anomalous diffusion of injection-induced seismicity in the light of the continuous time random walk model ∞ <i>Georgios Michas and Filippos Vallanatos</i>	ESC - S30 - (PART III) 2214 - Site Amplification Factors of KiK-net Borehole Stations Obtained by Generalized Spectral Inversion and Their Theoretical Explanations ∞ <i>Hiroshi Kawase, Kenichi Nakano, Eri Ito and Fumiaki Nagashima</i>	EAAE - SADBS 4739 - Seismic performance of RC buildings with high-strength concrete filled steel tube (CFST) pile foundations considering soil-pile-structure interaction ∞ <i>Santiago Castellanos, Anil Wijeyewickrema, Susumu Kono, Taku Obara and Binod Shrestha</i>	EAAE - SHEFRA 9737 - Seismic vulnerability and loss assessment of the residential modern masonry buildings in Florence ∞ <i>Vieri Cardinali, Stefania Viti and Marco Tanganelli</i>	EAAE - SERBS 7432 - Seismic Retrofit of Steel Frames Based on Friction-Damped Linked Columns with Pier Bases Allowing Uplift ∞ <i>Georgi Bonchev, Borislav Belev and Imad Mualla</i>	EAAE - SS02 5793 - Safety assessment in reliability terms of isolated bridges ∞ <i>Paolo Castaldo and Diego Gino</i>
16:45 - 17:00	ESC - S24 3649 - Revised Benioff strain release in mining seismicity ∞ <i>Maciej Mendecki</i>	ESC - S30 6478 - Geophysical surveys for the characterization of the seismic local response at instrumented sites: a case study from a station of the Swiss strong motion network ∞ <i>Paolo Bergamo, Francesca Panzera, Manuel Thomas Hobiger, Clotaire Michel and Donat Fäh</i>	EAAE - SADBS 9037 - Importance of duration of strong ground shaking on seismic safety assessment of large dams and infrastructure projects ∞ <i>Martin Wieland</i>	EAAE - SHEFRA 2852 - Regional physics-based numerical simulations of earthquake ground motion for seismic risk assessment ∞ <i>Jiayue Lin and Chiara Smerzini</i>	EAAE - SERBS 3967 - Seismic risk assessment of large building portfolios: application to health care buildings in Martinique ∞ <i>François Dunand, Claude Hauss and Pia Hannewald</i>	EAAE - SS02 8152 - Parametric investigation of the effect of soil deformability on the peak seismic response of base-isolated buildings using the SAP2000 OAPI ∞ <i>Christos Anastasiou and Petros Komodromos</i>
17:00 - 17:15	ESC - S24 4604 - Deriving P-wave ground-motion prediction equations for induced seismicity ∞ <i>Elmer Ruigrok, Bernard Dost, Denise de Vos and Niels Grobbe</i>	ESC - S30 9629 - From HVSR to site response function: potentiality and pitfalls ∞ <i>Anna Tanzini, Enrica Paolucci and Dario Albarello</i>	EAAE - SADBS <i>Conveners: Rajesh Rupakhetty, Eugen Lozinka</i> 7959 - Energy-related parameters and structural damage in non-linear dynamic analysis ∞ <i>Rodrigo E. Alva, Ramon Gonzalez-Drigo, Jorge Avila-Haro, Yeudy F. Vargas-Alzate, Luis Pujades and Luis A. Pinzón</i>	EAAE - SHEFRA 0611 - Earthquake damage criteria for non-linear analysis of reinforced concrete buildings as basis for fragility functions ∞ <i>Julia Kohns, Lothar Stempniewski and Alexander Stark</i>	EAAE - SERBS 3893 - IZIS' Seismic Assessment Protocol for Existing Building Structures ∞ <i>Goran Jekic, Veronika Shendova, Roberta Apostolska, Aleksandar Zlateski, Aleksandar Zhurovski, Elena Delova and Julijana Bajadjeva</i>	EAAE - SS02 8180 - Lateral cyclic response of deformable rolling seismic isolators for low income countries ∞ <i>Antonios A. Katsamakas and Michalis F. Vassiliou</i>

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17:15 - 17:30	ESC - S24 0549 - Estimation of site resonance frequency using HVSR method for rotational and translational signals: result comparison from Fourier and response spectrum methods ∞ <i>Dariusz Na wrocki, Maciej Mendecki and Lesław Teper</i>	ESC - S30 4605 - LICORNE a benchmark on numerical method for non-linear site response analysis involving pore water pressure ∞ <i>Christina Khalil, Julie Régnier and Fernanda Lopez-Caballero</i>	EAAE - SADBBS 5070 - Seismic Performance of RC SMRF Building with Open Ground Storey ∞ <i>Shubham Tribhuvan, R Senthilkumar and G Tamizharasi</i>	EAAE - SHEFRA <i>Conveners: Olga-Joan Ktenidou, Florin Pavel</i> 1024 - Vulnerability classification of the Italian residential building stock based on clustering of observational damage data ∞ <i>Annalisa Rosti, Maria Rota and Andrea Penna</i>	EAAE - SERBS <i>Conveners: Oren Lavan, Emil Sever Georgescu</i> 0560 - Effect of number of layers of composite material in the reinforcement of masonry samples ∞ <i>Begman Kulbayev, Yeraly Shokbarov and Gani Temiraliuly</i>	EAAE - SS02 9914 - Optimal response of isolated bridges subjected to near fault seismic inputs ∞ <i>Elena Miceli and Guglielmo Amendola</i>
17:30 - 17:45	ESC - S24 8146 - Probabilistic seismic hazard analysis in the Pilot "Time-Dependent Anthropogenic Seismic Hazard Assessment" ∞ <i>Lukasz Rudzinski, Stanislaw Lasocki and Beata Orlecka-Sikora</i>	ESC - S30 0896 - Generic Site Amplification Factors for Western Turkey: A Preliminary Investigation ∞ <i>Gamze Muratoglu and Aysegul Askan</i>	EAAE - SADBBS 6682 - A blind prediction of the seismic and torsional performance of RC U-shaped core walls ∞ <i>Ryan Hoult, Joao Pacheco de Almeida and Catherine Doneux</i>	EAAE - SHEFRA 3265 - Seismic vulnerability analysis of Nepali neoclassical buildings using macroseismic method ∞ <i>Dipendra Gautam and Rajesh Rupakhety</i>	EAAE - SERBS 8720 - Comparison of pushover curves of a two-storey stone cement masonry building with and without additional concrete bands ∞ <i>Luke Syrett, Ted Cross, Raffaele De Risi, Flavia De Luca and Martijn Schildkamp</i>	EAAE - SS02 4127 - Building Frictional Control. Comparative Study Between Seismic Isolation Systems ∞ <i>Gabriel Danila, Adrian Iordachescu, Alexandru Basarab Chesca and Vlad Petrescu</i>
17:45 - 18:00	ESC - Session 12 Physics of earthquake preparation process: From laboratory experiments to earthquake forecast <i>Conveners: Antonella Peresan, Eleftheria Papadimitriou, Alexey Zavyalov, Rodolfo Console, Ramon Zuniga</i> ∞ 2154 - Earthquake de-clustering in Central Italy ∞ <i>Elisa Varini and Antonella Peresan</i>	ESC - S30 6957 - COSMOS Site Characterization Project: Summary and Future Directions ∞ <i>Aysegul Askan, Marco Pilz and Sebastiano D'Amico</i>	EAAE - SADBBS 8489 - Design procedure of a telecommunication tower in Skopje, N. Macedonia under dynamic loads ∞ <i>Zoran Rakicevic and Aleksandra Bogdanovic</i>	EAAE - SHEFRA 1595 - Comparison of Estimated Building Damages with Observed Damage Data from Recent Earthquakes in Turkey ∞ <i>Nurullah Açikgöz and Ufuk Hançlar</i>	EAAE - SERBS 8676 - Shake table tests on Groningen-type masonry walls in out-of-plane directions ∞ <i>Eleni Smyrou, Onur Arslan, Alvand Moshfeghi and Ihsan Engin Bal</i>	EAAE - SS02 1431 - An Innovative Frictional Sliding on a Sprung Slope (FSSS) Device and Its Cyclic Test Demonstration ∞ <i>Yichen Zhang, Raffaele De Risi and Nicholas Alexander</i>
18:00 - 18:15	ESC - S12 2759 - Forecast of Location of Future Earthquake in South Central Tibet in Himalaya ∞ <i>Daya Shanker and H Paudyal</i>		EAAE - SADBBS 7687 - Different structural systems in seismic resistant steel structures ∞ <i>Helmut Köber, Marina Stoian and Ramona Marcu</i>	EAAE - SHEFRA 9645 - Long Short-Term Memory Networks for prediction of earthquake demand parameter time series in seismic fragility analysis ∞ <i>Konstantin Goldschmidt, Mani Moltasham Miavoghi and Hamid Sadegh-Azar</i>	EAAE - SERBS 3968 - Kinematics-Based Modelling of Shear Critical Coupling Beams with and without FRP Strengthening ∞ <i>Alexandru Trandafir and Boyan Mihaylov</i>	EAAE - SS02 8745 - Seismic Isolation of the Headquarters Building of Fire Service & Civil Defence (FSCD) in Dhaka, Bangladesh ∞ <i>Matsutaro Seki and Jaesoon Lee</i>
18:15 - 18:30			EAAE - SADBBS 3053 - Implementation and verification of a numerical model for sequential nonlinear dynamic analysis of a multi-story building with reinforced concrete and unreinforced masonry walls ∞ <i>Alireza Kharazian, Sergio Molina and Juan Jose Galiana-Merino</i>	EAAE - SHEFRA 2294 - Derivation of fragility functions of RC building typologies based on Italian observational damage data ∞ <i>Annalisa Rosti, Carlo Del Gaudio, Andrea Penna, Paolo Ricci, Gerardo Mario Verderame and Maria Rota</i>	EAAE - SERBS 3391 - An Experimental Study on Strengthening Structures with Elastic Springs ∞ <i>Baki Öztürk, Ersin Aydın, Huseyin Cetin, Kubilay Riza Cengiz, Aymur Yenigul and Filiz Asik</i>	EAAE - SS02 2072 - Applying constraining frames to improve performance of vertical seismic isolation system ∞ <i>Soheil Ramezani</i>
18:30 - 18:45			EAAE - SADBBS 4586 - Experimental investigation of the in-plane seismic response of rubble stone masonry walls ∞ <i>Savvas Saloustras and Katrin Beyer</i>		EAAE - SERBS 6824 - Verification of Nonlinear Static Pushover Analysis by Shaking Table Test ∞ <i>Tsung-Chih Chiu, Lap-Lai Chung, Ming-Chieh Chuang, Juin-Fu Chai, Shyh-Jiann Hwang, Yu-Chih Lai, Jae-Do Kang and Koichi Kajiwara</i>	EAAE - SS02 5570 - Optimization-based retrofitting of frame structures by adding negative stiffness devices and fluid viscous dampers ∞ <i>Ohad Idels and Oren Lavan</i>
18:45 - 19:00			EAAE - SADBBS 4802 - Non-linear seismic analyses of reinforced concrete structures ∞ <i>Walid Larbi, Naim Ayoub and Jean-François Deü</i>		EAAE - SERBS 3823 - Seismic assessment of an existing gravity load-designed R/C building with the aid of the two variations of response spectrum analysis proposed by the Greek Code for Structural Interventions ∞ <i>Asimina Athanatopoulou-Kyriakou, Kyriaki Bitsiou and Konstantinos Kostinakis</i>	EAAE - SS02 0431 - Tuned Mass Damper effectiveness in mitigating earthquake-induced pounding amongst multi-story structures with non-linear behavior ∞ <i>Pedro Folhento, Rui Carneiro de Barros and Manuel Braz-César</i>
18:00-19:30	Poster Session IV					
ESC Session 08	8285 - Spatio-temporal evolution of the 2018 seismic sequences in São Miguel island, Azores <i>Analdyne Soares, Susana Custódio, Simone Cesca, Rita Silva and Alessandro Vuan</i>					
	8939 - Focal mechanism inversion in Galati seismotectonic area (Romania): Insights on tectonic stress <i>Andreea Craiu, Mihail Diaconescu, Marius Mihai, Marius Craiu and Alexandru Marmureanu</i>					
ESC Session 30	6460 - Estimation of S-wave Horizontal Spectral Amplification Factor(HSAF) from earthquake Horizontal-to-Vertical Spectral ratio(eHVSR) in Greece <i>Nikolaos Theodoulidis, Ioannis Maragakis, Ioannis Grendas, Panagiotis Hatzidimitriou, Hiroshi Kawase, Eri Ito and Petros Triantafyllidis</i>					
	2470 - Ambient Noise to Correct High-Frequency Attenuation, Case Study: Preston New Road <i>Pungky Suroyo and Benjamin Edwards</i>					
	7829 - Systematic assessment of nonlinear soil behaviour at KiK-net sites (Japan) and correlation with geotechnical and geological indicator <i>Karina Loviknes, Paola Bergamo, Donat Fäh and Fabrice Cotton</i>					
ESC Session 38	1295 - Microseism and cyclonic activity: observing the effects of the Medicine Apollo on seismic signals <i>Alfio Marc o Borzi, Vittorio Minio, Flavio Cannavò, Angelo Cavallaro, Sebastiano D'Amico, Raphael De Plaen, Thomas Lecocq and Andrea Cannata</i>					
	6357 - Analyzing Seismicity of the 2021 ML 4.9 Seogwipo Sea Earthquake in South Korea and its Sequence by using the Matched-Filter and the VELYHOELLIPSE Methods <i>Chai Gyeongdan, Lee Jimin, Lee Hyeon, Min Kyungmin, Choi Mikyoung and Park Sun-Cheon</i>					
	5806 - Urban Seismic Noise Characteristics Revealed by the Strong Motion Stations in the Bucharest Metropolitan Area <i>Bogdan Grecu, Cristian Neagoe, Andreea Tolea and Alexandru Tiganescu</i>					
	1305 - Projects INFRASEPREL, KNETSEISRL ACTIPROL: towards a state-of-the-art centre for the study of earthquakes in Lixouri (W. Kefalonia, Greece) <i>Vasiliki Kouskauna, Ioannis Kassaras, Athanasios Ganas, Vasileios Kapetanidis, George Kaviris, Efthymios Lekkas, Maria Jose Jimenez, Mariano Garcia-Fernandez, Paola Albini, Asimina Kourou, Filippos Vallianatos, Nikolaos Sakellariou, Nikolaos Galanos, Georgios Sakkas, Ioannis Spingos, Sotirios Valkaniotis, Varvara Tsiromi, Polydoros Rallatos, Kyriaki Pavlou and Antonia Rallatou</i>					
	6241 - Dominant frequency of ground motion from moderate-to-strong subcrustal earthquakes of Vrancea region (Romania) <i>Luminita Angela Ardeleanu, Cristian Neagoe and Bogdan Grecu</i>					
	4520 - Near real time earthquake source parameters estimation <i>Marius Craiu, Andreea Craiu, Marius Mihai and Alexandru Marmureanu</i>					
	5887 - Ambient noise characterization at seismic stations in Romania <i>Andreea Tolea, Bogdan Grecu, Cristian Neagoe, Iren Moldovan and Victorin Toader</i>					
	9045 - Non-extensive statistical physics analysis of high-frequency anthropogenic seismic noise with relation to COVID-19 pandemic lockdown measures: Preliminary observations <i>Dimitrios Giannopoulos, Filippos Vallianatos, Athanasios Lois and George Hloupis</i>					

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	7249 - Monitoring sea wave activity in the Sicily Channel by microseism: preliminary results of the i-waveNET project <i>Vittorio Minio, Marta D'Amico, Giulia Muccio, Matthew Agius, Alfio Marco Borzi, Flavio Cannavò, Giuseppe Cirao, Salvatore D'Amico, Sebastiano D'Amico and Andrea Cannata</i>					
ESC Session 22	0821 - Improving of Seismic Hazard Assessment of the Czech Republic <i>Lucia Fojtikova, Jiri Vackar, Renata Lukesova, Ivan Prachar, Jan Valenta, Barbora Lachova and Jiri Malek</i>					
	6386 - Quarry blasts identification in Maramures and Bucovina (Romania) areas using statistical and cross-correlation techniques <i>Iulia Armeanu, Mircea Radulian and Felix Borlean u</i>					
	1364 - Preliminary results of the 2021-2022 Central Crete seismic sequences: seismological, satellite and geophysical observations <i>Andreas Karakostas, Kyriaki Pavlou, Maria Kouli, Georgios Michas, Sophia-Ekaterini Avgerinou, Eleni-Apostolia Anyfadi, Georgios Chatzopoulos, George Hloupis, John Makris, Vasilios Saltas and Filippos Vallianatos</i>					
	7418 - Updating the Romania earthquake catalog for the 2006-2020 time period by re-evaluating the seismicity <i>Raluca Dinescu, Andreea Chircea, Mihaela Popa and Daniela Ghica</i>					
	5959 - Seismicity study of the western side of Pehcevo-Kresna faulting system <i>Dragana Chernih, Katerina Dragreshka, Jasmina Najdovska, Ljubco Jovanov, Lazo Pekevski, Cvetan Sinadinovski and Ivana Molerovic</i>					
	5894 - Seismic Moment Tensor Inversion and Spatial-Temporal Distribution of Earthquake Series 2019 in Korça Region, Albania <i>Olger Gjuzi, Fatih Turhan, Nikolla Vesho and Albi Alliaj</i>					
ESC Session 28	2750 - Two distinct fluvial morphometry domains separated by a lineament of Vrancea intermediate-depth earthquake epicenters: Possible evidence for laterally-advancing slab breakoff <i>Lucia Niculae, Horia Mitrofan and Florina Chitea</i>					
	5312 - Crustal thickness and uppermantle structure in the region of Vitoshka and Sredna Gora, Bulgaria <i>Gergana Georgieva, Lev Vinnik, Dragomir Dragomirov, Valentin Buchakchiev, Sergey Oreshin, Larisa Makeyeva and Liliya Dimitrova</i>					
ESC Session 02	0989 - Lithospheric azimuthal anisotropy in the southern Sichuan-Yunnan block, SE margin of the Tibetan Plateau <i>Wu Peng, Gao Yuan and Shi Yutao</i>					
	0120 - S wave splitting in the upper crust in the Sanjiang lateral collision zone in the SE margin of the Tibetan plateau <i>Xinyi Li, Yuan Gao and Peixi Huang</i>					
ESC Session 24	8296 - Seismic monitoring of medium-depth geothermal projects in Tampere and Helsinki, Finland <i>Tuija Luhta, Kati Oinonen and Tommi Vuorinen</i>					
	0393 - Noise influence on moment tensor inversion with the use of first P-wave amplitude based on VERIS and LUMINEOS networks <i>Anna Tymiška and Grzegorz Lizurek</i>					
ESC Session 18	9546 - Toward Partially non-ergodic site-specific Ground Motion Prediction Model using data-driven approach and ESM database <i>Fayçal Chaibeddra Tani and Bourmediène Derras</i>					
EAAE - SADB5	4363 - FEM Analysis of Fiber Reinforced Rubber Bearings Under Vertical Load <i>Igor Gjorgjiev</i>					
	1293 - Assessment of damper effects in soil structure interaction problems <i>Kemal Edip, Aleksandra Bogdanovic, Julijana Bojadjeva and Vlatko Sheshov</i>					
	9197 - Assessment of influence of foundation soil characteristics on seismic response of frame structure <i>Ivan Mrdak, Marina Rakocevic and Djodje Ladjinovic</i>					
	8343 - Multi-hazard vibration control of a 21-story building in Reykjavik, Iceland <i>Dagur Pálsson and Rajesh Rupakhetty</i>					
	7505 - Comparative numerical investigation of steel added floors on existing RC structures using OpenSees software <i>Trajche Zafirov, Antonio Janevski and Viktor Hristovski</i>					
	9291 - Simulation and analysis of damage progression in a mid-rise RC building during an earthquake <i>Esteban Cabrera, Ramon Gonzalez-Drigo, Guido Luzi, Yeudy F Vargas-Alzate, Luis Pujades, Rodrigo E Alva and Jorge A Avila-Haro</i>					
EAAE - SS01	3175 - Seismic Response of R.C. Walls – Experimental Results versus Numerical Analysis <i>Emir Hodžić, Senad Medic and Mustafa Hrasnica</i>					
	9901 - Two complex high rise buildings case studies equipped with SLB seismic devices <i>Guillermo Bozzo, Rodrigo E. Alva, Riccardo Chinesse and Luis M. Bozzo</i>					
	2393 - Experimental Performance of Steel Panel Dampers using a Built-up Wide Flange Beam <i>Keh-Chyuan Tsai, Jin-Ting Lai and An-Chien Wu</i>					
EAAE - SS12	6899 - Seismic testing of adjacent interacting masonry structures – A pre-diction and a post-diction using equivalent frame approach <i>Igor Tomic and Katrin Beyer</i>					
EAAE - SS13	8079 - The importance of indirect losses in the seismic risk analysis of precast RC buildings in Portugal <i>Romain Sousa, Vitor Silva and Hugo Rodrigues</i>					
18:00 - 19:00	EAAE General Assembly "NICOLAE BĂLCESCU" Hall - Floor P					
18:00 - 19:00	WORKING GROUP MEETINGS Joint ORFEUS Governance meeting "AGRICULTURE PARLIAMENTARY COMMISSION" Hall					
19:00 - 20:00	ESC COUNCIL "MIHAI VITEAZU" Hall - Floor P1					
Friday 9 September 2022						
09:00-09:45	JOINT KEYNOTE LECTURE: BRIGITTE KNAPMEYER-ENDRUN - Mars from the InSight: Seismology beyond Earth "Unirii" Hall - Chairperson: Sebastiano D'Amico					
09:55 - 10:10	ESC - Session 18 Machine Learning and other Novel Approaches in Site Response and Ground Motion Predictions <i>Conveners: Fabrice Cotton, Chuabin Zhu, Sreeram Reddy Kotha</i> ESC Invited Lecture: Jannes Münchmeyer <i>Accelerating machine learning development and deployment in seismology through standardisation</i>	ESC - Session 16 Seismological Studies in Polar Regions and the Cryosphere <i>Conveners: Myrto Pirlí, Peter Voss, Fabian Walter</i> ESC Invited Lecture: Ugo Nanni <i>Imaging of glacier structures at high-resolution using source localization and ground motion amplitude with a dense seismic array</i>	EAAE Theme Lecturers: Ihsan E. Bal <i>Implementation of Emerging Technologies in Seismic Risk Estimation</i> Chairperson: Anastasios Sextos		EAAE Theme Lecturers: Dan Dubinã <i>Seismic Resilience of Multistorey Dual-Steel Building Frames</i> Chairperson: Sergio Lagomarsino	
10:10 - 10:25						

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10:25 - 10:40	ESC - S18 6060 - Insight on the use of canonical correlation to predict site amplification: application to the Japanese KIK-net network ∞ <i>Francesco Panzera, Paolo Bergamo, Vincent Perron and Donat Fäh</i>	ESC - S16 9458 - Eavesdropping on glaciers and whales with seafloor seismology ∞ <i>Evgeny Podolskiy, Yoshio Murai, Naoya Kanna and Shin Sugiyama</i>	EAAE - SADBS Seismic Analysis and Design of Buildings and Structures <i>Conveners: Luis G. Pujades, Mircea Barnaure</i> 9533 - An efficient shear-flexure model for RC walls ∞ <i>Leonardo Massone</i>	EAAE - SHEFRA Seismic Hazard, Exposure, Fragility and Risk Analyses <i>Conveners: Kyriazis Pitilakis, Sinan Akkar</i> 2570 - Derivation of Empirical Fragility Functions for Turkey ∞ <i>Nurullah Açıkgöz and Ufuk Hancılar</i>	EAAE - SS08 Recent advances in computational simulation of structures for performance-based design and assessment ∞ 0434 - Seismic assessment of unreinforced masonry structures: a coupled mesoscale-DMEM approach ∞ <i>Marco Francesco Funari, Federica Vadalà, Valeria Cusmano, Simon Szabó, Luis C. M. da Silva, Ivo Colià and Paulo B Lourenço</i>	EAAE - SS14 Fragility and loss functions for the risk assessment of residential and portfolio buildings: results of MARS project and other scientific contributions worldwide ∞ 0437 - The MARS vulnerability model: a new metrics based on EMS-98 vulnerability classes ∞ <i>Sergio Lagomarsino</i>
10:40 - 10:55	ESC - S18 2184 - Estimating the earthquake site response from ambient noise using the SSRh approach: overview and application to Marcoule, France ∞ <i>Vincent Perron, Fabrice Hollender and Pauline Rischette</i>	ESC - S16 2618 - Mapping the Stress Field in the Fennoscandian Shield ∞ <i>Björn Lund, Marja Uski and Peter Schmidt</i>	EAAE - SADBS 2441 - Tangent-stiffness-proportional viscous damping independent of the geometric stiffness matrix ∞ <i>Jose Baena and João Almeida</i>	EAAE - SHEFRA 2723 - Preliminary seismic risk assessment of ancient columns across Attica for application in decision support systems ∞ <i>Christos G. Lachanas and Dimitrios Vamvatsikos</i>	EAAE - SS08 0416 - Microstructure generator for 3D historical stone masonry walls ∞ <i>Mahmoud Shaqqa and Katrin Beyer</i>	EAAE - SS14 3019 - The Italian seismic risk maps: an overview of the methodology and results of MARS project ∞ <i>Angela Masì, Sergio Lagomarsino, Vincenzo Manfredi and Giuseppe Nicodemo</i>
10:55 - 11:10	ESC - S18 8267 - How Good Are Site Response Predictions from Ergodic Models, Physics-Based Simulations and Machine Learning Models? ∞ <i>Chuanbin Zhu, Fabrice Cotton, Hiroshi Kawase, Annabel Haendel, Marco Pilz and Kenichi Nakano</i>	ESC - S16 0422 - Seismic Station Troll, Dronning Maud Land, Antarctica – the first 10 Years ∞ <i>Johannes Schweitzer</i>	EAAE - SADBS 2851 - Utilization of the SAP2000 OAPI to perform parametric analyses of buildings with torsional effects under seismic excitations with varying incidence angles ∞ <i>Andreas Georgiou and Petros Komadromas</i>	EAAE - SHEFRA 5689 - Use of Fragility Curves in Restoring Electrical Distribution Systems after an Earthquake ∞ <i>Merve Bayraktar, Ebru Aydin Gol, Murat Gol and Burcu Guldur Erkal</i>	EAAE - SS08 5374 - Efficient Adaptive Section Discretization Schemes ∞ <i>Svetlana Kostic and Filip C. Filippou</i>	EAAE - SS14 6932 - Statistical modelling of seismic vulnerability of buildings for south Iceland considering the spatial correlation of ground motion intensity ∞ <i>Mojtaba Moosapoor, Atefe Darzi, Bjarni Besson, Rajesh Rupakhetty and Sigurður Erlingsson</i>
11:10 - 11:30	Coffee Break					
11:30-12:15	JOINT KEYNOTE LECTURE: DIMITRIOS VAMVATSIKOS - Tomb raiders of the lost accelerogram: A fresh look on a stale problem Unirii" Hall - Chairperson: Atilla Ansal, Alexandru Aldea					
12:25 - 12:40	ESC - S18 - (PART II) 4295 - Rapid prediction of ground shaking intensity with Graph Neural Networks ∞ <i>Stefan Bloemheuver, Jurgen van den Hoogen, Dario Jozinović, Alberto Michellini and Martin Atzmueller</i>	ESC - Session 35 Advances in high-frequency attenuation and characterising ground motion on rock <i>Conveners: Olga-Joan Ktenidou, Stefano Parola, Alexandros Savvaidis (PART I)</i> Invited Lecture: Cornou Cécile <i>Predicting site response and related variability caused by shear-wave velocity small-scale heterogeneities using a non-stationary random field method</i>	EAAE - SADBS 5432 - Condensed - tangent - stiffness - proportional viscous damping model for nonlinear time history analysis ∞ <i>Jose Baena and João Pacheco de Almeida</i>	EAAE - SHEFRA 6127 - Probabilistic Fragility Assessment of Pre-Code Reinforced Concrete Frame Buildings ∞ <i>Elif Yildirim and Ufuk Hancılar</i>	EAAE - SS08 1845 - Structuring shear wall buildings based on artificial neural networks ∞ <i>Leonardo Massone</i>	EAAE - SS14 5478 - Physics-based ground shaking scenarios for seismic fragility analyses: the case study of the 2009 L'Aquila earthquake ∞ <i>Chiara Smerzini, Annalisa Rosti, Roberto Paolucci, Andrea Penna and Maria Rota</i>
12:40 - 12:55	ESC - Session D4 Advances in models, observations and verification towards operational earthquake forecasting <i>Conveners: Antonella Peresan, Dimitar Ouzounov, Vladimir G Kossobokov, Angelo De Santis, Gerassimos Papadopoulos, Sergey Pulnits (PART I)</i> 2799 - About a Plane Deformation Problem of the Theory of Elasticity and Its Application in Seismology ∞ <i>Lusine Ghulghazaryan, Parandem Hambarzumyan and Mesrop Sargsyan</i>		EAAE - SADBS 1310 - Examining seismic resistance performance produced by the utilization of existing structures in vertical-joint elimination construction work for road bridge widening sections ∞ <i>Taiichiro Sugimura, Akiko Tabata and Goshi Tagashira</i>	EAAE - SHEFRA 1393 - A preliminary urban seismic risk model for the City of Rhodes Greece ∞ <i>Evdoxia Karaferi, Dimitrios Vamvatsikos and Vasileios Melissianos</i>	EAAE - SS08 3959 - Building-scale loss prediction via Stick-IT model ∞ <i>Marco Gaetani d'Aragona, Maria Polese, Marco Di Ludovico and Andrea Prota</i>	EAAE - SS14 5771 - Intensity measure transformation of fragility curves for 2D buildings using simplified models ∞ <i>Nikolaos Karaferris and Dimitrios Vamvatsikos</i>
12:55 - 13:10	ESC - S04 2352 - On solving the Rikittake's problem and earthquakes prediction ∞ <i>Mher Aghalovyan, Lenser Aghalovyan and Lusine Ghulghazaryan</i>	ESC - S35 4855 - On the identification of reference rock stations in France ∞ <i>Paola Traversa, Fabrice Hollender, Emeline Maufroy and Margaux Buscetti</i>	EAAE - SADBS 4603 - The Aseismic Design of the Minaret of the Great Mosque of Algiers ∞ <i>Dietlinde Köber and Dan Constantinescu</i>	EAAE - SHEFRA 7799 - The SISMET Method: A Tool for Seismic Risk Assessment of Urban and Peri-Urban Roads in a Context of Crisis Management ∞ <i>Denis Davi</i>	EAAE - SS08 6064 - On the influence of deterioration modelling on the hazard-consistent seismic response of steel moment frames ∞ <i>Christian Málaga-Chuquitaype, Faridah Zahra and Jorge Macedo</i>	EAAE - SS14 6516 - Risk assessment of Italian school buildings at national scale: the MARS project experience ∞ <i>Serena Cattari, Sara Alfano, Angela Masì, Vincenzo Manfredi, Barbara Borzi, Antonella Di Meo, Francesco Da Porto, Elisa Saler, Andrea Dall'Asta, Laura Gioiella, Marco Di Ludovico, Ciro Del Vecchio, Natalino Gattesco, Gerardo Verderame and Carlo Del Gaudio</i>
13:10 - 14:00	Lunch Break					
14:00 - 14:15	ESC - S04 1758 - Calibration of ETAS-based operational earthquake forecasting models: A simple recipe applied to Switzerland ∞ <i>Leila Mizrahi, Shyam Nandan, Laurentiu Dancu and Stefan Wiemer</i>	ESC - S35 - (PART II) Invited Lecture: Dr Giovanni Lanzano Assessment of the ground motion at reference rock sites in Italy <i>Chiara Felicetta, Francesca Pacor, Daniele Spallarossa and Paola Traversa</i>	EAAE - SADBS <i>Conveners: Carlos Oliveira, Ahmed Elghazouli</i> 5736 - Finite element model for TRAROM lightweight timber walls ∞ <i>Dietlinde Köber and Andreea Dutu</i>	EAAE - SS13 Risk analysis of major hazard industrial facilities for enhanced resilience 0295 - Investigating the impact of the new European Seismic Hazard Model ESHM20 on the seismic design and safety control of industrial facilities ∞ <i>Evi Riga, Kyriazis Pitilakis, Christoph Butenweg, Stefania Apostolaki and Anna Karatzetzu</i>	EAAE - SS08 6190 - Numerical Modelling of FRP-Retrofit RC Element ∞ <i>Inês Sousa, Rita Peres, Rita Couto, Rita Bento and José Miguel Castro</i>	EAAE - SS14 6669 - Database and comparative evaluation of seismic fragility curves for RC buildings ∞ <i>Sotiria Stefanidou, Olga Markogiannaki, Konstantinos Mixtis, Sotirios Argyroudis and Michalis Fragiadakis</i>
14:15 - 14:30	ESC - S04 1556 - Seismic exceedance rates for an induced seismicity case in the UK considering the temporal variability of the seismicity ∞ <i>Andres Felipe Hernandez Estrada, Philippe Gueguen, Stephane Druvet and Ben Edwards</i>		EAAE - SADBS 5686 - Seismic behaviour of ten storeyed "inverted Y" bracing systems ∞ <i>Helmut Köber, Marina Stoian and Ramona Marcu</i>	EAAE - SS13 3625 - Impact mechanisms for seismic action mitigation in steel frames ∞ <i>Roberto Andreotti, Oreste S. Bursi and Khalid M. Mosalam</i>	EAAE - SS08 7748 - Effect of retrofit interventions on the seismic performance of an Italian URM historic building assessed via combined nonlinear static and dynamic procedures ∞ <i>Stefano Bracchi, Maria Rota and Andrea Penna</i>	EAAE - SS14 8919 - IRMA: a multifunction platform for seismic risk and scenario damage calculation in Italy ∞ <i>Barbara Borzi, Marta Faravelli, Antonella Di Meo, Alessio Cantoni, Mauro Onida, Marco Pagano, Venanzio Pascale, Diego Polli, Davide Quarani, Mauro Dolce and Elena Speranza</i>

	ESC Sessions "C.A. ROSETTI" Hall Floor S1	ESC Sessions "NICOLAE BĂLCESCU" Hall Floor P	EAAE/ESC Sessions "MIHAI VITEAZU" Hall Floor P1	EAAE Sessions "UNIRII" Hall Floor P	EAAE Sessions "NICOLAE IORGA" Hall Floor P	EAAE Sessions "HUMAN RIGHTS" Hall Floor P
14:30 - 14:45	ESC - S04 5068 - Variability of ETAS model parameters for two intense seismic sequences of May 2008 vs. June 2000 in southwest Iceland ∞ <i>Atefe Darzi, Benedikt Halldarsson, Birgir Hrafnkelsson and Kristin Vogfjörð</i>	ESC - S35 0764 - Full-waveform prediction of high-frequency ground motion at depth from surface recordings in Japan ∞ <i>Miroslav Hallo, Paolo Bergamo and Donat Fäh</i>	EAAE - SADBS 8907 - System identification and finite element modelling of a 21-story building in Reykjavik, Iceland ∞ <i>Dagur Pálsson, Rajesh Rupakhetty, Simon Ólafsson and Snæbjörn Kristjánsson</i>	EAAE - SS13 3934 - Integrating multiple risks to aid the navigation of industrial plant workers during seismic events ∞ <i>Davit Shahnazaryan, Gerard O'Reilly, Paolo Dubini, Filippo Dacarro, Alberto Gotti, Sergio Mascetti, Emanuele Brunesi, Annalisa Rosti and Davide Silvestri</i>	EAAE - SS08 8866 - Numerical Modelling of the Seismic Behaviour of Prestressed Concrete Columns ∞ <i>Konstantinos G. Megalokonomou and Themelina Paraskeva</i>	EAAE - SS14 1265 - Fragility curves of as-built and retrofitted masonry buildings in Italy ∞ <i>Francesca da Porto, Sergio Lagomarsino, Serena Cattari, Veronica Follador, Pietro Carpanese, Marco Donà and Sara Alfano</i>
14:45 - 15:00	ESC - S04 3917 - Correlation between Shear-Traction field and Atmospheric Chemical Potential as a tool for earthquake forecasting ∞ <i>Sergey Pulinet s, Blaž Vitič, Pavel Budnikov, Matic Potočnik, Matej Dalenec and Jure Zolohar</i>	ESC - S35 7767 - Temporal variations of kappa0 ∞ <i>Annabel Haendel, Marco Pilz and Fabrice Cotton</i>	EAAE - SADBS 7120 - Applied element modelling of the non-linear dynamic seismic behaviour of the National Palace of Sintra in Portugal ∞ <i>Satyadhrik Sharma, Stefana Persia, Mottia Moretti, Alessandra Marasca, Madalena Ponte and Rita Bento</i>	EAAE - SS13 5562 - An engineering approach to fault displacement hazard for lifelines crossing active tectonic faults ∞ <i>Vasileios Melissianos, Dimitrios Vamvatsikos, Laurentiu Dancu and Roberto Basili</i>	EAAE - SS08 2414 - Building-specific artificial neural networks predicting structural drifts ∞ <i>Konstantinos Tsalouchidis and Christoph Adam</i>	EAAE - SS14 6251 - Observed Damage Database of past Italian earthquakes (Da.D.O.): extension to Churches ∞ <i>Chiara Calderini, Romina Sisti, Barbara Borzi, Elena Speranza, Flavia Bacchi, Antonella Di Meo, Marta Faravelli, Venanzio Pascale, Mauro Dolce and Andrea Prata</i>
15:00 - 15:15			EAAE - SADBS 2274 - Evaluation of the consistency between force-based and displacement-based design provisions for marginal wharves in the United States ∞ <i>J. Paul Smith-Pardo</i>	EAAE - SS13 5766 - A comparison of three scalar intensity measures for non-structural component assessment of nuclear powerplants ∞ <i>Angeliki Gerontati and Dimitrios Vamvatsikos</i>	EAAE - SS08 5145 - Large scale damage assessment framework for buildings in urban areas; The effect of active control implementation ∞ <i>Ruben Munteanu, Vasile Calafir, George Nica and Florin Mota</i>	EAAE - SS12 SERA - Adjacent Interacting Masonry Structures - Shake table test and Blind prediction competition ∞ 0136 - Equivalent-frame prediction of the experimental seismic performance of a two unit masonry building aggregate ∞ <i>Christian Salvatori, Gabriele Guerini and Andrea Penna</i>
15:15 - 15:30			EAAE - SADBS 5005 - Seismic Performance of Dual System (Reinforced Concrete Frames with Shear Wall) Buildings ∞ <i>Shahim As-Ad, R Senthikumar and G Tamizharasi</i>	EAAE - SS13 7238 - A CGEP framework based on QRA applied to an LNG tank ∞ <i>Rocco di Filippo, Oreste S. Bursi and Rosa Di Maggio</i>	EAAE - SS08 5987 - Establishing damage alarm thresholds for SHM based on parametric time-history analysis ∞ <i>Aleksandar Zhurovski and Igor Gjurajiev</i>	EAAE - SS12 8637 - Blind Prediction of Shake Table Tests of Adjacent Interacting Masonry Structures: Combined Finite-Discrete Element Model ∞ <i>Omar Alshawa, Domenico Liberatore and Luigi Sorrentino</i>
15:30 - 15:45			EAAE - SADBS 5663 - Current and contemporary seismic design methods: a comparative review ∞ <i>Gerard J. O'Reilly and Davit Shahnazaryan</i>	EAAE - SS13 0754 - Seismic Collapse Risk of a Transmission Line System ∞ <i>Fabio Paiva and Rui Carneiro Barros</i>	EAAE - SS08 6875 - Role of floor diaphragms on the seismic response of reinforced concrete frames ∞ <i>Beatrice Belletti, Elena Michelini and Simone Ravasini</i>	EAAE - SS12 8669 - Rigid block modelling approach for the prediction of seismic performance of adjacent interacting masonry structures ∞ <i>Raffaele Gagliardo, Michele Godio, Francesco Portioli and Raffaele Landolfo</i>
15:45 - 16:00				EAAE - SS13 8926 - Seismic Collapse Risk of a Transmission Tower ∞ <i>Fabio Paiva and Rui Carneiro Barros</i>	EAAE - SS08 9170 - The impact of uncertainties on post-earthquake response predictions of a building with unreinforced masonry walls ∞ <i>Mathias Haindl, Katrin Beyer and Ian F. C. Smith</i>	EAAE - SS12 9370 - Simplified evaluation for the SERA AIMS blind prediction: seismic behaviour of scaled masonry adjacent buildings ∞ <i>Giancarlo Ramaglia, Gian Piero Lignola and Andrea Prata</i>
16+:00 - 16:15						EAAE - SS12 2630 - Seismic testing of adjacent interacting masonry structures – shake table test and blind prediction competition ∞ <i>Igor Tomić, Andrea Penna, Matthew DeJong, Christoph Butenweg, António Araújo Correia, Paulo Xavier Candeias, et al</i>
12:30 - 13:30	WORKING GROUP MEETINGS	EAAE Executive Committee meeting "AGRICULTURE PARLIAMENTARY COMMISSION" Hall				
15:30 - 16:00	ESC CLOSING PLENARY "Unirii" Hall					
16:00 - 16:30	CLOSING PLENARY "Unirii" Hall					