

MONDAY 25 AUGUST 2014

ESC OPENING PLENARY

GENERAL OPENING CEREMONY

Coffee Break

The Third Prof.N.N. Ambraseys Distinguished Award Lecture: Robin Spence: The full-scale laboratory: the practice of post-earthquake reconnaissance missions and their contribution to earthquake engineering

Coffee Break and Exhibition Opening

	OS-1	OS-2	OS-3	OS-4	OS-5	OS-6	OS-7	OS-8	OS-9	OS-10	
<b>12:30-13:30 ORAL SESSIONS</b>	Earthquake Scenarios, Vulnerability and Loss Assessment Studies (1)	Performance-Based Seismic Assessment and Design (1)	Microzonation and Site Effects (1)	Engineering Seismology and Seismic Hazard Assessment (1)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (1)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (2)	Geodynamics of Eurasia: GPS/InSAR constraints and relation to seismicity	Induced Seismicity (1)	Complexity of earthquake physics, rupture processes, and the scientific prediction (1)	Earthquakes of the past: present knowledge and future perspectives (1)	
9:00 - 9:45	3253: Murat NURLU, Yasin FAHIAN, Bengi ERACI, Mehmet BAYKAL, Güler YENILMEZ, Deniz YALÇIN, Kenan YAMIK, F. İlhan KARAR, Ferhat PAKDAMAR: Rapid Estimation of Earthquake Losses in Turkey Using AFAD-Red System	82: Juan C. BEYES, Andrea C. RIAÑO, Erol KALKAN, Oscar A. QUINTERO and Carlos M. ARANGO: Is time-domain spectrum matching procedure accurate and efficient for response history analysis of buildings?	135: Paata REKVAVA, Ketevan MDIVANI and Lali QAJAJA: Acceleration Response Spectra For Tbilisi City With Site Effects	63: Vladimir SOKOLOV, Alik ISMAIL-ZADEH, and Friedemann WENZEL: Probabilistic Seismic Hazard Maps And Individual Large Earthquakes: Multi-Scale Hazard as a Tool for Estimation Of The Upper Level Of Ground Motion Within Particular Area	145: İtök PERUS, Dionysios BISKINIS, Peter FAJFAR, Michael N. FARDIS, Sofia GRAMMATIKOU, Helmut KRAWINKLER and Dimitrios LIGNOS: The SERIES database of RC elements	282: Omid SEDEHI and Hassan MOGHADDAM: On The Deformation Capacity Of Concentrically Steel Braces	2587: Ego DÍAZ, Thomas R. WALTER, Rongjiang WANG, Mariarosa MANZO and Riccardo LANARI: Fault creep beneath the Marmara Sea near Istanbul: evidence from long-term InSAR observation and modeling	1727: Sergey TURUNTAEV and Alesya KAMAY: On Predictability of Induced Seismicity Variations	155: Samvel Aghajani: Monitoring And Forecast The Van Earthquake (October 23, 2011) In The Seismic System Armenian Upland	2805: Christa HAMMEL, Klaus LOECKER, Ilya STEFFELBAUER and Ralf TOTSCHING: The Carnuntum Case: An Earthquake Catastrophe Around 350 A.D.?	
9:45 - 10:45	893: Fabio Petruzzelli and Junio IERVOLINO: Frame V.1.0: A Rapid Fragility-Based Seismic Risk Assessment Tool	1258: Hasan MOGHADDAM and Afshin MOHAMMADI: The Application of Reliability based optimization for seismic design of truss-like structures	236: Didier BERTIL, Agathe ROULÉ, Gilda NOURY, Claude PREPETIT, Ronalidine GILLES, Rochelien SYLVAIN and Julio JEAN-PHILIPPE: An IBC Approach For Seismic Microzonation At Cap-Haitien (Haiti)	900: Graeme WEATHERILL, Luis RODRIGUEZ, Marco PAGANI: The Seismic Hazard Modeller's Toolkit: An Open-Source Library for the Construction of Probabilistic Seismic Hazard Models	297: Klemen SINKOVIC, Peter FAJFAR and Iztok PERUS: Assessment of Seismic Performance of RC Frame Buildings by Procedures of Different Levels of Complexity	194: Arash NASSIRPOUR and Dina D'AYALA: Fragility Analysis of Mid-Rise Masonry Infilled Steel Frame (MISF) Structures	2786: Yuan GAO, Yutao SHI and Qiong WANG: Seismic Anisotropy In The Southeastern And Northeastern Edge Of The Tibetan Plateau	2444: Maria KOZLOWSKA, Beata ORLECKA-SIKORA, Lukasz RUJZANSKI, Grzegorz MUTKE: Studying The Effect Of Static Stress Transfer On The Seismicity In Hard Coal Mine	1327: A. I. Goshkov, A. A. Soloviev, O. V. Novikova: Recognition Of Earthquake-Prone Areas: Validity Of The Methodology	3077: Nila STEPANENCO and Vladlen CARBANEI: Macroscopic Field Of The Carpathian Earthquake January 23, 1838	
10:45 - 11:00	636: César A. VELÁSQUEZ, Omar D. CARDONA, Miguel G. MOYA, Luis E. YAMIN, Liliana CARRERO and Alex H. BARBAT: Hybrid Loss Exceedance Curve (HLEC) For Risk Assessment	1264: Mohammad Reza MASHAYEKHI, Mojtaba MAHSOULI and Abdolhasan VAFAI: Probabilistic prediction of damage in reinforced concrete shear walls	554: Gabriel BERNAL, Omar-Dario CARDONA, Alex BARBAT and Mario SALGADO: Comprehensive Site Effects Evaluation Approach For Cities And Its Application In Bogotá,	1610: Viviana NOVELLI, Dina D'AYALA, Adel AL-ASSAF, Emad AKAWWI: Seismic Risk Estimation For Wadi Musa In Jordan	349: Lukas MÖSCHER, Dimitrios YAMVATSIOS and Christoph ADAM: A Modified Response Spectrum Method for Estimating Peak Floor Acceleration Demands In Elastic Regular Frame Structures	1132: Andrea GODDY, Frédéric BARBIER, Charris CHATZIGOGOS, Nicolas BESSON, Alfred THIBON and Martin RAY: Comparative Seismic Analysis of Overhead Crane on Steel Frame Carrying Structure: Evaluation of Adequate Equipment-Structure Interaction	2801: Barbara ORICCIANO, Debora PRESTI, Cristina TOTARO and Giancarlo NERI: What Earthquakes Say About Residual Subduction Slab And Shallow Dynamics In The Calabria Arc Region	2481: Petra Adamová and Jan Šelý: Mechanism Of Microearthquakes Within The Cigar Lake Mine, Canada	899: Reza Mehrnia: Introduction To CCNA Technique For Revealing Earthquake Lineaments In Northern Region Of Tehran	644: Giannis MSAIDIDIS, Vasiliki KOUSSKOUNA, Eleftheria PAPANITRIOUI: Revisiting The Vartholomio (W. Peloponnese) Damaging Earthquake Since 1909: A Macroscopic Approach	
11:00 - 12:00	1753: Tuba EROĞLU AZAK, Bekir Özer AY and Sinan AKKAR: A Statistical Study On Geometrical Properties Of Turkish Reinforced Concrete Building Stock	1286: Mehmet INEL, E. MERAL and Hayri Bayraktar ÖZMEN: Seismic displacement demands of low and mid-rise RC buildings with nonlinear static and dynamic analyses	718: Dimitar MIHAYLOV and M. Hesham EL NAGGAR: Soil Response Change And Building Fundamental Resonances During Earthquake Shaking	3341: Mehdi Mousavi and Ali Farhadi: Influence Of Aleatory Uncertainty Treatment On The Probabilistic Seismic Hazard Analysis Results	524: Takaya NAKAMURA and Manabu YOSHIMURA: Gravity Load Collapse of Reinforced Concrete Columns With Decreased Axial Load	744: Shoma SUGIYAMA, Tenuhim INOUE and Takumi ITO: Proposal of Hysteresis Model of Steel Compression Members Considering Deterioration of Strength and Rigidity Subjected to Cyclic Loadings	3974: Athanasios GANAS, Flavio Carraro, George Drakatos, Ioannis Kalogeras: Ground Displacements Of The Cephalonia Mw 6 Earthquakes On January 26 And February 3, 2014 As Recorded By High-Rate GPS Data	2868: Luisa VALOROSO, Luigi IMPROTA, Claudio CHIARABBA, Davide PICCINI: Potentially Wastewater Injection Induced Seismicity In The Val D'Agri Oil Field (Southern Italy) Revealed By A High-Density Seismic Survey	1295: Bahman ESMAILI and Mehdi ZAREHI: Dating Of South Ahar Fault Seismic Activity By Thermo Luminescence	3175: Vasiliki KOUSSKOUNA and Levent GÜLEN: Revisiting Some Historical Earthquakes In The Aegean Region	
12:00 - 12:30	1060: Luis SOUSA, Vitor SILVA, Mário MARQUES, Helen CROWLEY and Rui PINHO: Development Of Multi-Input Based Fragility Functions For Earthquake Loss Estimation	1819: Marco A ESCOBILLA and A Gustavo AYALA: application of simplified non-linear analysis procedures to structures of complex seismic behaviour	722: Mari TAKAMACHI and Koji ICHI: The Effects Of Various Geotechnical Profiles On Liquefaction-Induced Damage At A Reclaimed Land	1707: Damiano MONELLI, Marco PAGANI, Graeme WEATHERILL, Julio GARCIA: The Gem Database Of Seismic Hazard Models	656: Masanori TAN, Tomohisa MUKAI, Masaya OGURA, Rafiq TALEB and Susumu KONDO: Full-scale Experiment On Non-structural R/C Walls Focused On Failure Modes And Damage Mitigation	1130: Shoichi INOUE, Takayuki KATO, Kenjiro MORI and Takumi ITO: Ductility and Damage Evaluation Method of Steel Columns Subjected to Inelastic Cyclic Loading Under Constant Axial Force	3099: Ezra ÇETIN, Ziyadin ÇAKIR, Mustafa MEGHRABOU: Postseismic Deformation Following The Mw=6.4 February 24, 2004 Al Hoceima (Morocco) Earthquake From In-situ Time Series	2904: Maurice LAMONTAGNE, Shuntian MA: Monitoring Earthquakes In Eastern Canadian Areas With Shale Gas Exploration Potential	1605: Yizheng Li and Jun SHEN: The Comprehensive Analysis On Present Tectonic Stress Field In Urumqi City, China	3053: Ruben TATEVOSSIAN and Nina MOKRUSHINA: Macroscopic In-Formation On Earthquakes In Eastern Siberia In XVII First Half Of Six Centuries	
13:30-14:30 LUNCH	LUNCH BREAK - WORKING GROUP MEETINGS										
14:30-15:00 THEMATIC LECTURES	Helen Crowley: Earthquake risk assessment: present shortcomings and future directions	G. M. Calvi: Simplified Approaches for Seismic Performance Classification	Alain Pecker: Seismic Analysis and Design of Foundation Systems / Soil-Structure Interaction	Michael O'Rourke: An Overview of Buried Pipeline Response to Seismic Fault Movement	Furuk Karadoğru: An algorithm to justify the design of single storey precast structures	Ahmed Elghazouli: Seismic Design Code Developments for Steel and Composite Structures	John Douglas: Fifty years of ground motion models	Benjamin Edwards: The Influence of Earthquake Magnitude on Hazard Related to Induced Seismicity	George Purcaru: Variable complex magnitude MvC of large and great earthquakes	Andrea Rovida: Archive of historical earthquake data for the European-Mediterranean area	
15:00-16:00 ORAL SESSIONS	Earthquake Scenarios, Vulnerability and Loss Assessment Studies (2)	Performance-Based Seismic Assessment and Design (2)	Seismic Analysis and Design of Foundation Systems / Soil-Structure Interaction (1)	Seismic Analysis and Design of Transportation and Lifeline Systems	Seismic Analysis and/or Testing of Structural Elements and/or Systems (3)	Seismic Design Code Developments and Related Issues (1)	Incorporating Synthetic Ground Motion Data into Empirical GMPs	Induced Seismicity (2)	Complexity of earthquake physics, rupture processes, and the scientific prediction (2)	Earthquakes of the past: present knowledge and future perspectives (2)	
16:00-17:00	1649: Vitor SILVA, Helen CROWLEY, Paolo BAZZURO: Risk-Targeted Hazard Maps For Europe	1368: Alberto CUEVAS, Umar AGUZZEL, Josko OBRER, Tard and Stefano PAMPANNI: Preliminary numerical investigation on the seismic residual capacity of reinforced concrete plastic hinges	246: Hozit WERKLE and Jadranko VOLAREVIC: Modeling Of Dynamic Soil-Structure-Interaction In The Three-Dimensional Finite Element Analysis Of Buildings	102: Pengpeng Ni, Ian D. MOORE and W. Andy TAKE: Normal Fault Induced Ground Deformations And The Associated Bending Response Of Buried Pipelines	126: İrfan Napsatek and Cyril Fischer: Auto-Parametric Multi-Modal Vibration Of A Continuous Slender Structure Due To Seismic Excitation	Michael N. Fardis: Evaluation of Eurocode 8 rules for wall shear demands in wall-frame RC buildings	2953: Carlo CAUZZI, Luis DALGUER, Cyril BALMAIN and Domenico GIARDINI: Lessons Learnt By Parametrising A Near-Field Waveform Dataset Generated By Dynamic Rupture Simulations	2594: Gert Zöller and Matthias Holschneider: Probabilistic Estimation Of The Maximum Expected Magnitude M <sub>0</sub> In A Time T For Fluid-Induced Seismicity	717: Zeynep GÖKSUŞLU, Husein HAMZELILO, Mohammad Reza CHEHANGHELI: Estimating Source Parameters And Rupture Model Of 27/8/2010 Earthquake Of Toros Region Of Semnan, Iran, With Magnitude Mw=5.9	2509: Motti ZOHAR, Amos SALAMON and Rehav RUBIN: 2000 Years Of Reported Earthquakes And Damage In Israel And Its Close Vicinity	
17:00-18:30 SPECIAL SESSIONS	EMME - Earthquake Model of Middle East: From Seismic Hazard to Seismic Risk (1)	Field and laboratory testing to improve the seismic vulnerability assessment (1)	Urban Earthquake Hazards: the structural and non-structural dimensions of resilience	Seismic Assessment of Lifelines	Seismological and Structural Studies in the Polar Regions	Future directions for Eurocode 8	Case studies of methodology development for real time mitigation of seismic risk to industries and strategic facilities	Challenges in multi-scale exposure and vulnerability modelling	Assessment and New Strategies for Tsunami Mitigation	State-of-the-Art in Estimating Earthquake Risk	
18:30-19:00	2038: Mathias ZIEBE, Hamid Amini and Pouya Yazdi: The Middle East Earthquake Catalog: a Summary on Working Package 1, EMME Project (2009-2013)	1558: Stefano BRACCHI, Maria ROTA, Andrea PENNA and Guido MGENES: Seismic Assessment of Masonry Buildings Accounting for Limited Knowledge on Material Properties by Bayesian Updating Techniques	Paola Albrici: UNISDR's Making Cities Resilient Campaign	3373: Michael O'Rourke and Tatiana Vargas: Analytical Fragility Relations For Wave Propagation Damage To Buried Segmented Pipelines	2495: Conny HAMMER, Matthias ÖHRNBERGER and Vera SCHLINDWEIN: Assessing Changing Patterns In Antarctic Icequake Activity Using Automatic Classification Techniques	3436: Edmund Booth: Future directions for Eurocode 8	139: Carlo CAUZZI, Yanni BEHR, John CLINTON, Thomas LE GUENAN, John DOUGLAS, Samuel AUCALAR, Stefan WIEMER, Jochen WÖSSNER, Maria CARRIO and Georgia CIA: Feasibility Study On Earthquake Early Warning And Operational Earthquake Forecasting For Risk Mitigation At Nuclear Power Plants	219: Christian GEIB, Martin KLOTZ and Hannes TAUBENBÖCK: Remote Sensing For Seismic Building Vulnerability Assessment	276: Shiliang Li, Katsuhichiro GODA, Paul D. BATES, Nobuhito MORI, and Tomohiro YASUDA: Efficient Tsunami Inundation Simulation Using A Simple Raster-Based Model	2151: David Lallemand, Anne Eremidiyan and Henry Burton: Uncertainty Estimation In Earthquake Vulnerability Functions For Risk Assessment	
19:00-22:00	3216: Levent GÜLEN and EMME WP 2 Team: Earthquake Model of The Middle East (EMME) Project: Active Faults and Seismic Sources	2157: Alexander BAYBARKTAR, Ahmet Can ALTUNSKI, Temel TÜRKER: Finite Element Analysis and Ambient Vibration Testing of Long Span Concrete Highway Bridge	1491: Sandra MARTÍNEZ-CUEVAS, Jorge M. GASPÁR-ESCRIBANO, M. Carmen MORILLO, Oscar J. ALVAREZ-CANO, Belén BENITO, Jaime CERVERA: Analysis Of Urban Parameters In The Characterization Of Seismic Vulnerability: Application To The City Of Lorca	154: Vasilios E. MELISSIANDOS, Dimitrios VAMVATSIOS and Charis J. GANTES: Seismic Risk Assessment Of Buried Pipelines At Active Fault Crossings	3524: Andreas KÖHLEB, Christopher NUTH, Johannes SCHWEITZER and Christian WEIDLE: Seismic Monitoring Of Glacier Calving, Tremoring, And Surging On Spitsbergen, Svalbard	3450: Michael Fardis: The First Generation Of Eurocode 8: Its Strengths And How It Can Better Serve The Needs Of Practicing Engineers	142: Elisa ZUCCOLO, Walter SALAZAR, Luigi DI SARNO, Anthony FARRELL, Tony GIBBS, Carlo G. LAI, Joan L. LATOCHIAN, Lloyd LYNNCH and Addison WORKMAN: Feasibility Study Of A Regional Eew System For The Eastern Caribbean Region	735: M. WIELAND, M. PITTORE, U. BEGALIV, P. YASUNOV, S. SAIDY, T. BAYRAMOV, E. SHOKBAROV and S. PAROLAI: Towards A Cross-Border Exposure Model For The Earthquake Model Central Asia	2638: Sergey DOTSENKO, Andrey INGEROV, Raissa MAZDOVA, Elena KOLICHINA, Bronislav KESELMAN, Aleksandr RASSADIN: Tsunami Investigation In The Black Sea Basin On The Basis Of Spectral Analysis And Data On Historical And Possible Destructive Tsunamis	965: Mehdi Mousavi and Mohsen Akhtari, Saeed: Development Of A Simple Method For Record Selection In Structural Collapse Risk Assessment	
19:00-22:00	3220: Sinan AKKAR, Ozgur KALE, Anoshirvan ANSARI, Raffi DUNGARVAN, Aydogu ASKAN GÜNDOĞAN, Husein HAMZELILO, Ebru HARMANDAR, Nino STRETTLEI, Muhammad WASEEM, Tawfique YAZJENI, M. Talga YILMAZ: EMME Strong-Motion Database Serving for Predictive Model Selection to EMME Ground-Motion Logic-Tree Applications	2200: Yasemin Dilem AKTAS, Ahmet TURER and Uğurhan AKYUZ: Seismic Performance Assessment of Traditional Timber Hinis Frames by Laboratory Testing and Capacity Spectrum Method	1063: Mario A. SALGADO, Daniela ZULOAGA, Cesar A. Velásquez, Martha L. CARRERO, Omar D. CARDONA and Alex BARBAT: Urban Seismic Risk Index For Medellín, Colombia: A Probabilistic And Holistic Approach	534: Vasilios E. MELISSIANDOS and Charis J. GANTES: Earthquake Induced Upheaval Buckling Of Buried Pipelines With Flexible Joints	2690: Natalya VAGANOVA, Vladimir ASMING, Galina ANTONOVSKAYA, Andrey FEDOROV and Yana KONCHENAYA: Creating A Common Seismological Database For The European Arctic	3454: Timothy Sullivan: Analysis Methods For Performance Based Design In Future Versions Of EN1998	832: Sotiria KARAPETROU, Maria MANAKOU, Despina LAMPROU, Sofia KOTSIRI, Kyriazis PITALAKIS: Real-Time Seismic Vulnerability Assessment Of A High Rise R/C Building Using Field Monitoring Data	976: Yolanda TORRES, Marc WIELAND, Maximiliano PITTORE and Belén BENITO: Preliminary Exposure And Seismic Vulnerability Assessment Of Port Au Prince (Haiti) Based On Satellite Imagery, Lidar, And Statistical Inference	2984: Amos Salamon: Seismogenic Submarine Slump Tsunamis Along The Levantine Coast	2171: Vasilios K. PAPANIKOLAOU and Christos Z. KARAKOSTAS: Explicit Shakedown Via Low Cost Instrumentation - The Case Of Lefkas City	
19:00-22:00	2279: Mustafa Talga YILMAZ, Anoshirvan ANSARI, and Ebru HARMANDAR: Simple Geological Categories as Proxies to V30 In Turkey and Iran	2293: Mariantonietta MORGA, Rainer FLESCH, Alfred LECHNER and Marian RABOVSKY: Field Shear Tests On A Partition Wall Of An Existing Unreinforced Brick Masonry Building	3031: Giancarlo NERI, Giovanni FALSONE, Biagio PRIVITERA, Antonio RIZZO: Inter-Institutional Centre For Seismic Risk Reduction In The Messina Straits Area: State Of Art	714: Juan M. MAYORAL, Neftali SANTIAGO and Ernesto CASTANON: Seismic Response Of Tunnel Shafts	2694: Andrey FEDOROV, Vladimir ASMING: Advanced Seismic Events Detector And Its Application To Svalbard Local Seismicity Study	3455: Graeme WEATHERILL, Helen CROWLEY, Vitor SILVA, Daman GRANT, Jochen WÖSSNER, Maria CARRIO and Giulio ZUCCARO, and Francesco CACCACE: Operational Earthquake Loss Forecasting In Italy: Preliminary Results	1083: Junio IERVOLINO, Eugenio CHIOCCIALELLI, Massimiliano GIORGIO, Massimo VAMVATSIOS, Anna Maria LOMBARDI, Giulio ZUCCARO, and Francesco CACCACE: Operational Earthquake Loss Forecasting In Italy: Preliminary Results	2882: Christoph AUBRECHT, Rashmin GUNASEKERA, Oscar A. IBHIZAWA: Urban Characterization Aspects And Associated Spatial Scale Considerations In The Context Of Global-Level Exposure Modeling: Comparative Data Evaluation	3004: Ceren Ozer Sozdinler, Nurcan Meral Ozel, Ocal Necmioglu, Ahmet Cevdet Yalçiner, and Andrey Zaitsev: Preparation Of Inundation Maps Database For Turkish National Tsunami Watch Center	2657: Max Weiss, Philippe Rosset, Andrea de Bonis: World Population Data Not So Simple	
19:00-22:00	3242: Laurentiu DANCUI, Karin SESEYAN, Mine B. DEMIRDOĞLU, Levent GÜLEN, Mustafa ERDİK and Domenico GIARDINI: Earthquake Source Model For Seismic Hazard Assessment in the Middle East Region	2231: Amin KARBASSI, Clotilde MICHEL and Pierino LESTUZZI: Ambient Vibration Tests and Numerical Modeling to Evaluate Seismic Retrofitting	3138: Kazım Gökhann Eğin: Istanbul Seismic Risk Mitigation And Emergency Preparedness Project (Isemp)	1899: Eren LÜCKAN, Bulent AKBAS, Jay SHEN, Rolf WEN, Onur SEKER, Fabrizio PAGLACCI: Soil Effect On Response Of Buried Steel Pipes At Strike-Slip Fault Crossings	2731: Sergey BARANOV, Elena KREMETSNSKAYA and Anatoly VINGORADOV: Possible Fluid Affect on the Seismicity of Storford Strait, Spitsbergen	3448: Roberto Paolucci: Integrated Seismic Design And Assessment Of Foundation And Superstructure	1638: Máximo LOPEZ, António BRITO, Carlos OLIVEIRA, Francisco Sá: Evaluation Of Seismic Risk Of Industrial Facilities	3385: Keith PORTER, In Ho CHO, Dimitrios VAMVATSIOS, and Karim FAROKHMAN: Using Representative Suites Of Inadequate Buildings To Model The Seismic Vulnerability Of An Asset Class	3221: erassimos PAPANADOPOULOS, Ilias ARGYRIS, Savvas AGGÉLOU, Vasilis KARASTATHIS: REWSET: A Prototype Seismic And Tsunami Early Warning System In Rhodes Island, Greece	2659: Peter Dörflinger and Max Weiss: IDIRA Alerts For Earthquake Disasters in Europe	
19:00-22:00	2281: Erol SESEYAN, Laurentiu DANCUI, Mine B. DEMIRDOĞLU, Mustafa ERDİK and Domenico GIARDINI: EMME-HAZ-2014: Seismic Hazard Assessment Results for the Middle East Region	2255: Alessandro ZANARDI, Alberto PAVESE, Simone GIARDINI: EMME-HAZ-2014: Simplified Seismic Vulnerability Assessment Procedure for Reinforced Concrete Bridges	2058: Ozgur ZULFIKAR and Can ZULFIKAR: Dynamic analysis of buried pipeline components	1973: Alexandra TESTA, Mark FURTADO, and Alice ALIPOUR: Seismic resilience assessment of highway networks: a topology-based approach	3025: Myrto Piri: A Study Of Glaciogenic Seismicity At The Jutulstran Glacier, Antarctica	3451: Katrin Beyer: Future Directions For Reinforced Concrete Buildings In Eurocode 8	2153: Ali PINAR, Can ZULFIKAR, Süleyman TUNC, Mustafa COMUĞLU and Mustafa ERDİK: Istanbul Earthquake Early Warning And Rapid Response Network And Infrastructure Applications	3449: Hervé DEGEË, Raffaele LANDOLFEO: Perspectives For En 1998 Evolution Regarding Steel Structures	3452: Marco DI LUDOVICO and Gaetano MANFREDI: Seismic Safety Levels And Post-Earthquake Repairability Of Existing Buildings: Future Perspectives	2661: Ramon Zuniga and Max Weiss: Estimated Casualties in A Possible Great Earthquake Along The Pacific Coast Of Mexico	
19:00-22:00	3247: Matteo PICOZZI, Aldo ZOLLO, Piero BIONDI, Simona COLOMBELLI, Luca ELIA, Claudio MARTINO and Sandro MARCIC: Feasibility Study Of A Nation-Wide Early Warning System: The Application Of The Eew Software Presto On The Italian Strong Motion Network (Rin)	2417: Carlo CAUZZI, Paolo GASPARINI, Antonio EMOLO, Mustafa ERDİK, Junio IERVOLINO, Carlo LAI, Kyriazis PITALAKIS, Erdal SAFAK, Eftihimos SOKOS, Carlos SOUSA OLIVEIRA, Kristin VOGTJÖRD, Stefan WIEMER, Aldo ZOLLO, Jochen ZSCHAU, Sotiria KARAPETROU, Dina BINDI and Can ZULFIKAR: Towards Real-Time Seismic Risk Mitigation For Critical Facilities: Lessons Learned From Case Studies In Reakt	3095: Elena KOZLOVSKAYA, Johannes SCHWEITZER, Tormod KVAERNA: Two-Array Method For Events Location By Using Long-Period Seismic Waves	3025: Myrto Piri: A Study Of Glaciogenic Seismicity At The Jutulstran Glacier, Antarctica	3453: Suaki Lu: Future Provisions Of EN1998 For Masonry Structures	3449: Hervé DEGEË, Raffaele LANDOLFEO: Perspectives For En 1998 Evolution Regarding Steel Structures	3452: Marco DI LUDOVICO and Gaetano MANFREDI: Seismic Safety Levels And Post-Earthquake Repairability Of Existing Buildings: Future Perspectives	3453: Suaki Lu: Future Provisions Of EN1998 For Masonry Structures	3449: Hervé DEGEË, Raffaele LANDOLFEO: Perspectives For En 1998 Evolution Regarding Steel Structures	3452: Marco DI LUDOVICO and Gaetano MANFREDI: Seismic Safety Levels And Post-Earthquake Repairability Of Existing Buildings: Future Perspectives	3453: Suaki Lu: Future Provisions Of EN1998 For Masonry Structures

TUESDAY 26 AUGUST 2014

9: 00-9: 45										
The First Prof. Inge Lehmann Distinguished Award Lecture: Shamita Das: Supershear earthquake rupture speed'										
9: 45-10: 00										
Coffee Break										
10: 00-10: 45										
EAEE KEYNOTE LECTURE: PAOLO E. PINTO: Existing buildings: the new Italian provisions for a probabilistic seismic performance assessment										
10: 45-11: 30										
ESC KEYNOTE LECTURE ADRIAN OTH: The earthquake source scaling debate: advances, challenges and where we stand today										
11: 30-12: 30										
POSTER SESSION										
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12: 30-13: 30 ORAL SESSIONS										
Earthquake Scenarios, Vulnerability and Loss Assessment Studies (3)	Performance-Based Seismic Assessment and Design (3)	Microzonation and Site Effects (2)	Engineering Seismology and Seismic Hazard Assessment (2)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (4)	Seismic Design Code Developments and Related Issues (2)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (5)	Cross border harmonized seismic hazard and risk assessment: results, lessons learned and future challenges (1)	Complexity of earthquake physics, rupture processes, and the scientific prediction (3)	Earthquakes of the past: present knowledge and future perspectives (3)	
1256: Kibor JAISWAL, William T. HOLMES, Willy P. ASPINALL, David J. WALD, and Marjorie GREENE: Application Of Structured Elicitation Process To Estimate Seismic Collapse Fragility Of Generic Construction Types	1575: Konstantinos KOSTINAKIS, Manthos PAPADOPOULOS, Asimina ATHANATOPOULOU and Konstantinos MORFIDIS: Correlation between structure-specific ground motion intensity measures and seismic response of 3d R/C buildings	868: Marlene BRAY, Cécile CORNOU, Christophe VOISIN and Pierre-Yves BARO: Mapping The Fundamental Frequencies In The City Of Beirut Using Ambient Noise Measurements	1154: Mathias RASCHKE: The average function of local exceedance rates and area-equivalent ground motion relations in seismic hazard analysis	821: Christis Z. CHRYSOSTOMOU, Nicholas KYRIAKIDES, Panagiotis KOTRONIS and Elijda GEORGIU: RC Infilling Of Existing RC Structures For Seismic Retrofitting	Georgia Thermoou: Assessment Of The E68 Part III Deformation Capacity Expressions For Frp Jacketed R/C Columns Based On Experimental Data	464: Cem HAYDAROGLU, Cigdem AVCI-KARATAS and Oguz C. CELIK: Cyclic Testing and Comparison Of Locally CFRP Confined HSS Braces And Buckling-Restrained Braces	Celine Beauval: Probabilistic Seismic Hazard Assessment In Quito, Estimates And Uncertainties	3219: Gerassimos PAPADOPOULOS, Vassilis KARASTATHIS, Elena DASKALAKI, Konstantinos SETTOS, Konstantinos SPILIOTIS: Investigation Of Near-Field Earthquake Interactions With Complex Networks Tools: The January-February 2014 Strong Earthquakes In Cephalonia Isl. (Greece)	2473: Pål M. Mårtensson and Ruben E. Tatevosian: On Historical Earthquakes Attributed To By Sparse Data	
1785: Seydi ÖZÇEBE, Vitor SILVA, Helen CROWLEY: Seismic Hazard And Risk Assessment Of Turkey	1634: Maria Teresa DE RISI, Paolo RICCI, Gerardo M. VERDEIRAM, Gaetano MANFREDO: A nonlinear macro model for numerical simulation of exterior RC joints without transverse reinforcement	949: Dragoljka DOJČINOVIĆ, Tanjana OLUMCEVA and Šerem MUSTAFA: Seismic Microzonation: Case Study Upljana Settlement In Prishtina – Kosovo	556: Gabriel BERNAL, Omar-Dario CARDONA, Alex BARBAT and Maria SALGADO: Strong Motion Attenuation Relationships For Colombia	847: Gennaro MAGLIULO, Marianna ERCOLINO, Maddalena CIMMINO, Vittorio CAPOZZI, Gaetano MANFREDO: Seismic Behaviour Of Beam-To-Column Dowel Connections: Numerical Analysis Vs Experimental Test	Rory McCully: Comparison Of Eurocode 8 Site Class Amplification Factors With Non-Linear Site Response Analysis	2278: Melina BOSCO, Eugenio FERRARA, Aurelio GHERSA, Edoardo M. MARINO and Pier Paolo BOSSI: Improvement Of The Model Proposed By Menegotto And Pinto For Steel	Valerio Poggi: A Comparative Analysis Of Share And Seed Response Spectral Amplification Models	2929: Boris Tarasov: Mechanics Of Off-Fault Tensile Cracking Generated By Dynamic Shear Ruptures	3259: Paola TRAVERSA, Kevin MANCHUEL and Jessie MAYOR: On The Use Of Cross-Border Macroseismic Data To Improve The Estimation Of Past Earthquakes Seismological Parameters	
931: Athanasia KAZANTZI, Dimitrios VAMVATSIKOS, Keith PORTER and In Ho CHO: Analytical Vulnerability Assessment Of Modern High-Rise R/C Moment-Resisting Frame Buildings In The Western Usa For The Global Earthquake Model	1642: Abdullah DILSIZ and Polat GÜLKAN: Reliable seismic performance prediction with the help of field data	1324: Tommaso TROMBETTI, Michele PALERMO, Stefano SILVESTRI, Giada GASPARRINI: A Statistical Study On The Amplification Factors For An Updated Displacement Design Spectrum	918: Roxane FOULSER-PIGGOTT and Katsuhiko GODA: New Prediction Equations Of Arias Intensity And Cumulative Absolute Velocity For Japanese Earthquakes	942: Baluca CONSTANTIN and Katrin BEYER: Quasi-Static Cyclic Tests On U-Shaped Reinforced Concrete Walls Subjected To Diagonal Loading	Matjaz Dolsek: Selection Of Few Ground Motions For Decision-Making Associated With No-Collapse Requirement	1248: Gerardo N. Rocha and Y. H. Chai: Seismic Inelastic Displacements In The Presence Of Non-Viscous Damping	Dario Albarello: Testing And Scoring Probabilistic Seismic Hazard Estimates	2991: Virginie DURAND, Sébastien HOÛ, Aurélien BOISELET, Pascal BERNARD and Oona SCOTTI: Dynamic Rupture Scenarios On A Fault Network: The Corinth Rift Case	1448: Emilia FIORINI and Paolo BAZZURRO: Macroscopic Intensity Constraint For Probabilistically Based Shakemaps	
925: A.V. PAPAGEORGIOU, M. FRAGIADAKIS, D. VAMVATSIKOS: Seismic Loss And Life-Cycle Cost Assessment For Reinforced Concrete Structures	1587: Ioanna Klonimi FONTANA, Konstantinos KOSTINAKIS, Frank WUTTKE, Asimina ATHANATOPOULOU-KYRIAKOUI and George MANOLIS: Effects of site conditions on ground motion and ensuing structural damage	1482: Nakhron POOVARDOM and Amornpet JIRASAMJORNRONSRI: Evaluation Of Seismic Site Effects For Bangkok Deep Basin	1560: Afra IMTIAZ, Cécile CORNOU, Pierre-Yves BARO, Aspasia ZERVA and Manuel HOBINGER: Diffraction Wave Field And Coherency Analysis: An Example From The Dense Array Network In Argostoli Basin, Cephalonia, Greece	991: Francisco LÓPEZ-ALMANSA, Bashar ALFARAH, Sergio OLLER: Numerical Simulation Of RC Frame Testing With Damaged Plasticity Model: Comparison With Simplified Models	Jure Zigmund: Relationship Between The Collapse Risk And The Reinforced Concrete Frame Structure	1645: Kenjiro MOBI, Hiroka MUNEMURA, Hanako SATO, Takeshi MATSUMOTO, Takumi ITO and Changhoon CHO: Proposal of Analytical Model And Analytical Study On Repairability And Recovery For Damaged Steel Members	2710: Jochen Woessner: THE 2013 EUROPEAN SEISMIC HAZARD MODEL: INSIGHTS AND PERSPECTIVES	823: Boris Tarasov: Fan-Structure Dynamic Shear Rupture Mechanism Confined In Intact Hard Rocks At Highly Consolidated Compression	3262: João FONSECA and Susana VILANOVA: 1755 And The New European Seismic Hazard Map	
1916: Iulio IERVOLINO, Massimiliano GIORGIO and Barbara POLIDORO: Stochastic Modeling Of Cluster-Based Damage For Life-Cycle Seismic Analysis Of Structures	1683: André R. BARBOSA, Filipe RIBEIRO, Sérgio DOMINGUES and Luis NEVES: Using finite-length plastic-hinge force-based elements on the assessment of a three-dimensional building tested to collapse	1595: Shinichi MATSUHIMA, Florent DE JONCKHEERE, Hiroshi KAWASE, and Francisco J. SÁNCHEZ-SESMA: The Effect Of The Basin Edge To The Directional Dependent Horizontal-To-Vertical Spectral Ratios Of Microtremors	2010: Christos KARAKOSTAS, Alexandros SAVVAIDIS, Vasiliki LEKIDIS, Basil MARGARIS, Nikos THEODOULIDIS, Antonis VAFIDIS, Constantinos LOUPASAKIS, Pantelis SOUPOIS and Nikos PAPADOPOULOS: Proposal For Accelerometric Station Validation Procedures: Application To Representative Sites In Crete (Greece)	1181: Luis HERRERA and Anne LEMMERTZ: Cyclic Performance of RC Beams With Web Openings	Vladimir Sigmund: Damage Assessment Of Masonry Infilled Frames	1790: Catherine BRAHAM and Hervé DEGEË: Experimental Studies On The Seismic Performances Of Steel Storage Racks	Annabel Haendel: Using Mixtures Of Ground-Motion Prediction Equations As Backbone Models For A Logic Tree	3312: Françoise COURBOULEX, Bertrand DELOUIS, Alain DUJARDIN, Etienne DESCHAMPS, Cécile CORNOU, Etienne BERTRAND, Matthieu CAUSSE, Christophe MARON, Christophe SIRA and Giovanna CULTRERA: The Two Events Of Barcelonnette (French Alps), 2012 (Mw 4.1) And 2014 (Mw 4.9): The Role Of Directivity On Ground Motions, Macroscopic Intensities And Site	355: Emil-Sever Georgescu: Seismic Response Of Trapezium Trainee Monument, Romania, Between History And Earthquake Engineering Assessments	
500: Carlos Molina Hurt, Ibrahim Almufti, Michael Willford and Gregory Deierlein: Seismic Losses And Downtime Estimates Of Existing Tall Buildings And Strategies For Increased Resilience	805: Aybige AKINCI, Maura MURRU, Rodolfo CONSOLE, Giuseppe FALCONE, Stefano PUCCI: Implications of Earthquake Recurrence Models to the Seismic Hazard Estimates in the Marmara Region, Turkey									

13: 30-14: 30 LUNCH BREAK - WORKING GROUP MEETINGS

14: 30-15: 00 THEME LECTURES	Carlos Sousa Oliveira: Earthquake Risk Reduction: from scenario simulators including systemic interdependency to impact indicators	M. Nuray Aydınoglu: Developments in Seismic Design of Tall Buildings	K.Önder Cetin: Recent Advances in Seismic Soil Liquefaction Engineering	Sinan Akkar: Recent Developments in Ground Motion Predictive Models and Accelerometric Data Archiving in the Broader European Region	Christophe Sira: Macroseismic intervention group: the necessary field observation	Martin Wieland: Seismic hazard and seismic design criteria for large dam projects	Dina D'Alaya: Conservation principles and performance based strengthening of heritage buildings in post-event reconstruction	Domenico Giardini: Results of the SHARE Project	Florian Haslinger: Communicating about seismology: the challenges to provide information to the public	Enrico Lunedi: Some issues on theory of H/V technique for ambient vibrations
15: 00-16: 00 ORAL SESSIONS	Earthquake Scenarios, Vulnerability and Loss Assessment Studies (4)	Seismic Analysis and Design of Tall Buildings	Geotechnical Earthquake Engineering (1)	Engineering Seismology and Seismic Hazard Assessment (3)	EWS-98 in macroseismic field surveys + Internet, smartphones and social networks: How do they change seismology?	Seismic Design Code Developments and Related Issues (3)	Seismic Performance of Historical Monuments and Structures (1)	Cross border harmonized seismic hazard and risk assessment: results, lessons learned and future challenges (2)	Communication and education: making seismology accessible to society	Ambient Noise for soil and building studies (1)
1110: Ufuk HANCIILAB, Ebru HARMANDAR and Eser ÇAKTI: Effects Of Ground Motion Input On The Derived Fragility Functions	3430: Mehmet ÇELİK and Isuru OKAWA: Drift Issues Of Tall Buildings During The March 11, 2011 M9.0 Tohoku Earthquake, Japan - Implications	41: Gokhan Saygılı: Probabilistic Seismic Hazard Analysis For The Liquefaction Potential of Subsoils	241: Vassiliki KARDOUSTO, Ioannis TARLAMPA and Ioannis N. PSYCHARIS: A New Method For The Classification Of Ground Motions As Pulse-Like Or Non Pulse-Like	Antoine Schlupp: Training Experts For Macroscopic Field Surveys	Simonetta Baracani: Non Linear Response Of Planar Asymmetric Systems	286: Thomas WENK and Katrin BEYER: Seismic Conservation Strategies For Cultural Heritage Buildings In Switzerland	Shahid Ullah: Probabilistic Seismic Hazard Assessment In Central Asia Using Different Source Models	Panagiotis Fountas: Internet - Enabling The Hellenic Educational Seismology Network	Derek Skolnik: Structural Health Monitoring Of Unique Structures In Abu Dhabi Emirate	
748: Mario A. SALGADO, Martha L. CARREÑO, Alex H. BARBAT and Omar D. CARDONA: Comparing A Simulated Loss Scenario With The Observed Earthquake Damage: The Loma 2011 Case Study	649: Emre TOPRAK Cinyet ANADOLU Hüsamettin ALPER and Serdar KARAHASANÖZÜLÜ: On The Effectiveness Of Hybrid Coupled Wall Systems In 46 Story Tall Building	538: Julijana BOJADJEVA, Vlatko SEŠOV, Kemal EDIP, and Igor GORGIJEV: Some Important Aspects In Experimental Setup For Liquefaction Studies On Shaking Table Tests	2012: Rajesh RUPAKNETHY and Ragnar SIGBÖRNSSON: Rotation-Invariant Formulation Of Strong Ground Motion Parameters	Ina Cecil: A Guidebook For Ems In Macroscopic Field Surveys	Stefania Viti: The Influence Of The Axial Load Variation On The Seismic Capacity Of Existing RC Buildings	454: Irina BASKINA, Galina ANTONOVSKAYA, Natalia KAPUSTAN and Irina PUDOVA: New Seismic Methods For The Historical Constructions Diagnostics	Domenico Di Giacomo: Extension Of The ICG-Global Instrumental Earthquake Catalogue	Catarina Matos: Earthquake And Tsunami Risk: An Education And Outreach Account From Portugal	Gueguen Philippe: Testing Buildings Using Ambient Vibrations For Earthquake Engineering: A European Review	
1341: Ufuk Yazgan: Explicit Modeling Of Ground Motion Variability In The Development Of Fragility Models	998: Francisco LOPEZ-ALMANSA, Sebastián M. RIBOT and Luis TORRES: Assessment Of Static Nonlinear Approaches For Earthquake Resistant Design Of Tall Reinforced Concrete Buildings	751: Nurhan ECEMIS, Hasan Emre DEMIRCI, and Mustafa KARAMAN: Effects of Relative Density and Coefficient of Consolidation on Re-Liquefaction Potential of Sand	1035: Martin WIELAND: What Seismic Hazard Information The Dam Engineers Need From Seismologists And Geologists?	Rémy Bossu: Involving eyewitnesses For Improved Earthquake Information Services	Roberta Apostolka: Adoption Of The Eurocodes In The Balkan Region	693: Stefano SORACE and Gloria TRENZI: Performance Analysis of Seismically Exited Statues in Free-Base and Base-Isolated Conditions	Johann Woessner: The 2014 Update Of The Swiss National Seismic Hazard Model: Key Science Issues	Angela Sarao: Learning Seismic Safety At High School: The SISMO Project	Christelle Salameh: Dynamic Properties Of Beirut Buildings: Instrumental Results From Ambient Vibrations	
1341: Luis YAMIN, Alvaro HURTADO, Raul RINCON, Alex H. BARBAT and Juan REYES: Use Of Non-Linear Dynamic Analysis In The Assessment Of Seismic Vulnerability Of Buildings	1600: Elmi SMYRDU: Near-Field Effects On Tall Structures	1062: Keisuke ISHIKAWA, Susumu YASUDA, and Syouta KARASHI: Effect of the Liquefaction-Induced Damage of Wooden House Caused By The 2011 Great East Japan Earthquake	473: Maria LANCERI, Marine RENAUULT, Louis LECOMTE, Matthieu PERRAULT, David BAUMONT, Philippe GÜEGGEN, Catherine BERGE-THERY: A Naive Bayesian Approach To Strong Ground Motion Selection For Non-Linear Seismic Analysis Of Structures	Bengi Eravci: Rapid Information And Intensity Estimation After Earthquake In Turkey Using Smart-Phones	Svetket Murat Senel: Investigation Of Member Damage Limits And Building Performance States In Existing RC Buildings	705: Ioannis STEFANOPOULOU, Michalis FRAGIADAKIS and Ioannis N. PSYCHARIS: Vulnerability Analysis of Classical Columns with Dislocated Drums	Susana Vilanova: Developing And Documenting Seismic Source Zone Models: An Example From Iberia	Gülüm Tanrıcan: Earthquake Public Awareness, Preparedness And Mitigation Actions By KOERI	Kuvvet Atakan: Simulated Ground Motions With Site Effects Potential Evaluated Through Transfer Functions And H/V Measurements: Case Study For Izmir, Turkey	
822: Stavroula FOTOPOULOU, Sotiria KARAPETOU and Kyriazis PITILAKIS: Time-Dependent Vulnerability Assessment Of RC Buildings Under The Consideration Of SSI And Aging Effects	1667: Korkut Kaynarđag and Serdar Soyöz: Structural Health Monitoring Of A Tall Building	2005: Masafumi KANEKO and Susumu YASUDA: An Experimental Research on a Reduction Method For Liquefaction Damage to House Using Thin Sheet Piles.	1294: Aida AZARI SISI, Aysegül ASKAN and Murat Altug EBERKE: Site-Specific Uniform Hazard Spectrum Based On Simulated Ground Motions	Maria Luisa Sousa: Overview Of Adopted Nationally Determined Parameters For Eurocode 8	758: Kamboh AMINI HOSSEINI: Earthquake Risk Management in Historical and Old Urban Fabric, Case Study of Tehran Bazaar	Laurentiu Danclu: The 2013 European Seismic Hazard Model (ESHM13): Disaggregation				

16: 00-17: 00 POSTER SESSION

17: 00-18: 30 SPECIAL SESSIONS	Cat Management and Earthquake Insurance	Risk evaluation of industrial plants in seismic prone-areas	Communication of risk and uncertainty to the general public	Accelerometric data, networks and their significance in engineering and seismological studies in and around Europe	Earthquake Retrofitting of School Buildings	Seismic rehabilitation and retrofit of structures (1)	Seismic Design of Timber buildings	Cross border harmonized seismic hazard and risk assessment: results, lessons learned and future challenges (3)	NERA - Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation (1)	Ambient Noise for soil and building studies (2)
Vitor Silva-GEM: Earthquake loss estimation using the Global Earthquake Model datasets and tools	172: Mariano CIUCCI and Alessandra MARINO: Seismic Vulnerability of Major-Hazard Industrial Plants and Applicability of Innovative Seismic Protection Systems for its Reduction	2261: Paolo Gasparini: Communication under Uncertainty: the 'Aquila 2009 Earthquake Case	1049: M. Abdullhah Sandikoglu, Sinan Akkar: A Detail Investigation on Akkar et al. (2013) Pan-European Ground Motion Prediction Equations and Proposals for Future Versions	1858: Giovanni COSTA, Alfredo AMMIRATI, Rita DE NARDIS, Luisa FILIPPI, Antonella GALLO, Giuly LAVECCHIA, Sebastiano SINGANO, Peter SUHADOLIC, Eliza ZAMBONELLI, Mario NICOLETTI: The Italian Strong Motion Network (IASM), Near Real Time Data Acquisition and Data Analysis: a Useful Tool for Seismic Risk Mitigation	2601: Kit Yamamoto, Amir. S. J. Gani and Yusuf Zahir Gönöğül: The World Bank Global Seismic Evaluation and Retrofit program: International Perspective on the Successful Application to Istanbul	526: Umud Akgul, Weng Yuen Kam, Matt Cameron and Samir Govind: Displacement-Based Seismic Assessment (DBSA) of an Existing Reinforced Concrete Wall Hospital Building in New Zealand	2215: Marien POPOVSKI, Shiling PEI, John W. van de LINDT, Dor El KARAKABEILI: Ductility Based Force Reduction Factors for Symmetrical Cross-Laminated Timber Structures	Yen-Shin Chen: Insights Into Tectonic Regionalization In Seismic Hazard Analysis And Computational Methods For Delineation	2345: Helmut Wenzel, Domenico Giardini, Torild Van Eck: Introduction into the Objectives and Strategies of the NERA Project	2197: L.A. Dalguer, A. Askan, C. Cornou G. Festa, A. Piatanes, K. Sestyan, S. Akkar, G. Ameri, E. Cakir, M. Causse, A. Crella, F. Cottos, S. Del Gaudio, E. Harmandar, A. Imtiaz, F. Nurten Simsan, A. Laurendeau, E. Luca, A. Scala, S. G. Song, E. Spagnuolo, E. Tinti, E. Zengin: Investigation of Earthquake Source and Ground Motion Characteristics by Means of Numerical Models
Wilhelm Morales Aviles	183: Konstantinos BAKALIS, Dimitrios VAMVATSIKOS and Michalis FRAGIADAKIS: Seismic Reliability Assessment of Liquid Storage Tanks									Enrico Lunedi: Complete Wavefield Modelling Of Ambient Vibrations From A Distribution Of Correlated Alotary Surface Sources: Computation Of H/SR
Sinan Akkar	2241: Öreste S. BUSSI, Fabrizio PAOLACCI, Md Shahin REZA: Performance-Based Analysis of Petrochemical Piping Systems Located in Earthquake-Prone Zones			3405: Lucia LUZI, Francesca PACOR, Rodolfo PUGLIA, Emiliano RUSSO, M. D'AMICO, Sinan AKKAR: The Engineering Strong Motion Database (NERA-NA3)	2775: Omer ÜLKEB, Ayşe ÇELIKBAŞ, Ahsar JALALIAN: Comparison of Analysis and Assumption Assumptions for School Buildings	766: Georgia Thermoou, Vassilis Papanikolaou, Andreas Kappos: Monolithically Factored for the Design of R/C Columns Strengthened with R/C Jackets	2223: Yusemin Didem AKTAŞ ERDEM, Uğurhan AKYILIZ, Ahmet TÜRKER, Barış ERDİL and Neriman Şahin GÜZHAN: Behavior of Traditional Timber Frames Under Reverse Cyclic Loading	Volkan Selvilgen: Balkans-Oq: A Collaborative Seismic Hazard Assessment Of The Balkan Countries Using The Openquake Software And The Gem Strain Rate Model	2350: Sinan AKKAR, Remy BOSSU, Carlo CAUZZI, John CLINTON, Maria D'AMICO, Torild VAN ECK, Laurent FROBERT, Stephanie GODEY, Philippe GÜEGGEN, Philipp KÄSTLI, Lucia LUZI, Francesca PACOR, Catherine PEQUEGNAT, Rodolfo PUGLIA, Emiliano RUSSO, Reinoud SLEEMAN: Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation (NERA) - Networking Accelerometric Networks and SM Data Users (NA3)	Enrico Paolucci: A Large Scale Ambient Vibration Survey In The Area Damaged By May-June 2012 Seismic Sequence In Emilia Romagna, Italy
İsmet Güngör-Dask: Cat Management from Insurance Perspective	2253: Serkan GIRGIN and Elisabeth KRAUSMANN: Earthquake Natch risk assessment and mapping using RAPID-N			1868: Basil MARGARIS, Ioannis KALOGERAS, Christos PAPAIOANNOU, Alexandros Savvaids and Nikolaos THEODOULIDIS: THE NATIONAL ACCELEROGRAFIC NETWORK IN GREECE: TOWARDS THE UNIFICATION OF DATA PROCESSING AND DISSEMINATION OF THE STRONG GROUND MOTION INFORMATION	2893: S. Yıldırım, A. Sömer, E. Fuller, Y.I. Tonguç: Comparison of Alternative Retrofitting Techniques for a Typical R/C School Building	2166: Dimitra Stavrelli, Stephanos Dritsos: Seismic Assessment of Masonry Buildings According to Eurocode 6 and 8	2167: Alessandro Vittorio Bergami, Camillo Nuti: A Design Procedure of Dissipative Braces for Seismic Upgrading Structures	Yaver Kamer: Data Driven Probabilistic Seismic Hazard Assessment: A Comparative Study Of Turkey And Switzerland	2351: Pierre-Yves BARO, Giovanna CULTRERA, Nikos THEODOULIDIS, Kyriazis PITILAKIS, Donat FAH, Stefano PAROLIA, Peter MOCZO and the whole NERA WP11 TEAM: Waveform Modeling and Site Coefficients for Basin Response and Topography: Main Results from the NERA WP11	Mariano Garcia-Fernandez: Seismic Characterization Of Soils In The City Of Lora (Se Of Spain) From Ambient Vibration Measurements
	2324: Ioannis MOSCHONAS, Christos KARAKOSTAS, Vasilios LEKIDIS and Savvas PAPADOPOULOS: Investigation of Seismic Vulnerability of Industrial Pressure Vessels			2020: Ragnar Sigbörjörnsson, Rakesh Rupakshety: Three-Dimensional Characteristics of Strong Ground Motion in The Near-Fault Area	2912: Joseph Kubin, Danyal Kubin, Haluk Sucuöglu, Aydan Seker Özmen, Elif Eroğlu: Assessment and Retrofit Design of R/C School Buildings in Turkey	2187: Alessandro Vittorio Bergami, Camillo Nuti: A Design Procedure of Dissipative Braces for Seismic Upgrading Structures		Iliaria Mosca: Benchmarking Recent PSHA Approaches	2352: Andrea BIANCHI, Barbara BORZI, Marta FARVELLI, Marcus HERMANN, J. Douglas ZECHER and Warner MARCOCCHI: IJRA: Real Time Seismic Risk	Silvia Castellana: The Different Response Of Apparently Identical Structures: A Far-Field Lesson From The Mirandola 20th May 2012 Earthquake
	2385: Maria VATSI and Spyros KARAMANOS: Modeling of Uplifting Mechanism in Unanchored Liquid Storage Tanks Subjected to Seismic Loading			2488: Gabriele AMEBI, Dino BINDI, Fabrice COTTON and Paola TRAVERSA: Regionally Adjusted GMPEs Including Source Stress Parameter Scaling for Small Magnitude Events		2266: Maria PIANIGIANI, Karol PRZELAZOŃSKI, Ioannis P. CHRISTOVASSILIS, Gian Paolo CAMELLO, Mario DE STEFANO, André FILIATRAULT, Timothy J. SULLIVAN and Marco TANGANELLI: A Comprehensive Methodology for Evaluating the Seismic Resilience of Health Care Facilities Considering Nonstructural Components and Organizational Models			2272: Anastasios Kotsoglou, Olympia Taskari, Anastasios Sextos: Mitigating Seismic Risk of Highway Overpasses Through Alternative Retrofitting Strategies	Nikos Theodoulidis: Defining Shallow Structure Properties by Combining Ambient Noise And Geological Data For Site Response Analyses: The Case Of Xanthi Town (Ne Greece)
	2437: Fabrizio PAOLACCI, Renato GIANNINI, Eren UCKAN, Bulent AKBAS, Daniele CORRITORE: Seismic Response Mitigation of Elevated Tanks by HDRB and FPS Isolation Systems			2736: Mehdi ZABE, Mohammad P.M. SHAHVAR, Ferioudoun SINAEAN, Esmaei FARZANEGAN, Hossein Mirzaei-Alaieji: Iranian Strong Motion Database and Its Vision for the Future						Stefano Mariani: Sensor Placement For The Analysis Of Seismic Surface Waves: Sources Of Error And Design Criterion
				2791: Reinoud SLEEMAN, Carlo CAUZZI, Jordi DOMINGO BALLESTA, Philipp KASTU, Odysseus GALANIS, John CLINTON, Enrico BALLARIN-DOLFIN: The Rapid Raw Strong Motion (RRSM) Database						Valerio Poggi: Modal Analysis Of 2-D Sedimentary Basin From Frequency Domain Decomposition Of Ambient Vibration Array Recordings
				2918: Paola TRAVERSA, Sinan AKKAR, Gabriele AMERI, Fabrice COTTON, John DOUGLAS, Laurent FROBERT, Stephanie GODEY, Bruno HERNANDEZ, Lucia LUZI and Abdullhah SANDIKOGLU: RESORCE (Reference Database for Seismic Ground-Motion in Europe)						
				3184: Eren Tepeoğlu, Ulubey Çeken, Turgay Kuru, Aytaç Apak, Derya Kökkbudak, Vedat Özsaray, Selim Sezer, Kudret Tekinli, Erkan Ateş ve Cüneyt Şahin: National Strong Motion Network of Turkey						

EMSC General Assembly

ASSOCIATION COUNCIL

WEDNESDAY 27 AUGUST 2014

JOINT KEYNOTE LECTURE: MAURO DOLCE: Civil Protection Critical Issues in Seismology and Earthquake Engineering Research

Coffee Break

EAAE KEYNOTE LECTURE: KYRIAZIS PITILAKIS: Earthquake risk assessment: Certitudes, fallacies, uncertainties and the quest for soundness

ESC KEYNOTE LECTURE: MARCO MUCCIARELLI: The role of site effects at the boundary between seismology and engineering: lessons from recent earthquakes

POSTER SESSION

	OS-1	OS-2	OS-3	OS-4	OS-5	OS-6	OS-7	OS-8	OS-9	OS-10
<b>12: 30-13: 30 ORAL SESSIONS</b>	Engineering Seismology and Seismic Hazard Assessment (4)	Performance-Based Seismic Assessment and Design (4)	Geotechnical Earthquake Engineering (2)	Seismic Design Code Developments and Related Issues (4)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (6)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (7)	Rapid estimation of earthquake source and ground shaking parameters for real-time monitoring (1)	Regional hazard and risk assessment: New Insights on Vrancea Intermediate-Depth Seismic Source	Complexity of earthquake physics, rupture processes, and the scientific prediction (4)	Methods and data for the study of earthquakes recorded on pre-WWSSN historical seismograms
	835: Robin SPENCE, Roxane FOULSER-PIGGOTT: The International Macroseismic Scale - Extending EMS-98 For Global Application	1684: Mehmet INEL, B. Tanik CAYICI and Esra OZGER: The effect of position on seismic response of regular mid-rise RC buildings	125: Chi-Chin TSAI and Chun-Wei CHEN: A Comparison of Site Response Analysis Method And Its Impact On Earthquake Engineering Practice	Renzo Medcot: Application And Revision Of The European Norm EN 15129 On Anti-Seismic Devices	197: Daniel MORODEB, Tobias SMITH, Michele SIMONETTI, Felice C PONZO, Antonio DI CESARE, Domenico NIGRO, Stefano PAMPANIN and Andrew H BUCHANAN: Experimental Behaviour of Diaphragms In Post-Tensioned Timber Frame Buildings	1190: Dimitra Achillogiorgoulou, Theodoros Pardalakis and Athanasios Karabinis: Interface Behaviour Of Retrofitted Columns Subjected To Repeated Loading	Teresa Susagna: Maps Of Ground Shaking For Pyrenees In France-Spain Border	545: Ralu VACAREANU, Dan LUNGU, Mircea RADULEAN, Florin PAVEL, Mihail IANCOVICI and Cristian ARION: New Developments In Probabilistic Seismic Hazard Analysis For Romania	Daya Shanker: Precursor Swarm Association With Earthquake Preparation And Prediction - An Investigation In Northeast India Himalayas And Vicinity	2330: Juan Benjumea: Determination Of Mw For Large Events In Metropolitan France From Historical Seismograms
	182: Horea SANDI and Ioan Sorin BORCIU: An Attempt To Recalibrate Instrumental Criteria For Intensity Assessment	1696: Dimitrios VAMVATSIOS and Mark A. ASCHERIM: A code-compatible application of yield frequency spectra for direct performance-based design	234: Johannes CHANDRA, Philippe GUGUEN and Luis Fabian BONILLA: Application of Pgv/Vs Proxy To Assess Nonlinear Soil Response: From Dynamic Centrifuge Testing To Japanese K-Net And Kik-Net Data	Cem Ozer: Application Of Modern Seismic Code Provisions To Earthquake Resistant Design Of Steel Buildings	475: Christian MALAGA-CHUQUITAYPE, Sebastian KAMINSKI, Ahmed Y. ELGHAZOU, and Andrew LAWRENCE: Seismic Performance of Low-Cost Timber Frames With Cane And Mortar Walls	1240: Davorn PENAVA, Vladimir SIGMUND and Ivica KODZAR: Micro-Modelling Of Tested Framed-Wall with Openings	David Wald: Shakedown Use, Developments, And Related Systems	3067: Mircea RADULEAN, Emilia POPESCU, Anica Otilia PLACINTA and Felix BORLEANU: Source Scaling Properties In The Carpathians Area, Romania: Crustal Versus Mantle Earthquakes	Alexey Zayakov: Mee Algorithm For Koyuna-Warna Region: First Results	2435: Nilay BASARIR BASTURK, Nurcan Meral OZEL: Reassessment Of The Seismic Parameters From Historical Seismograms Of 1912- Murette-Sarköy, 1935-Erdok-Marmara Island And 1963-Cinarck Earthquakes
	1624: Giannis PAPAZACHOS, Costas PAPAZACHOS, Efthymos LEKKAS, Andreas SKARLATOUDIS and Harris KALLIAS: Modeling Macroseismic Information For Historical Earthquakes Using Stochastic Simulation: The Case Of The 1954 Sifades (Central Greece) Earthquake	2392: Liling CAO, S. Ali ASHRAE, Stephen SZYCHER, John ABRUZZO and ABE BRALDI: Performance based seismic design of Soyak Crystal Tower - getting a safer and more economical structure	520: Raz JABARY and Gopal MADABHUSHI: An Experimental Investigation of a Multiple Tuned-Mass-Damper-Structure System With Soil-Structure Interaction	Rais Ahmad: Performance Of Buckling Restrainted Braced Frames In Dual Systems For Assessing Global Seismic Performance Factors	1011: Michele SIMONETTI, Tobias SMITH, Felice C. PONZO, Antonio DI CESARE, Stefano PAMPANIN and Domenico NIGRO: Non-Linear Numerical Modelling of A Post-Tensioned Timber Frame Building With Dissipative Steel Angle Devices	1269: Wensong LI and Oh-Sung KWON: Numerical Study On Flexure-Shear-Critical RC Column	Eser Cakki: Development Of Shake Maps For The Sultanate Of Oman	Vladimir Sokolov: Seismic Hazard Assessment (SHA) In Romania And New Approaches To Sha Using Fault Dynamics Modeling	Tatjana Zmushko: Seismic Calm Predictors Of Rupture In Producing Deposits In Russia	2648: Maria Teresa Merino: Observatori Fabra Seismic Archive: Current Status
	1203: Vasiliki KOUSKOUNA, Georgios SAKKAS and Eleftheria PAPADIMITRIOU: Evidence Of Rotational Macroseismic Effects In Greece	1739: Miguel ARAUJO and José Miguel CASTRO: Linear analyses for seismic safety assessment of existing steel buildings: are they trustworthy?	634: Kumaasa Yoshida: Development of Mps Method For Slope Failure Simulation	Melina Bosco: Seismic Response And Behavior Factor Of Dual Eccentrically Braced Systems Designed By Eurocode 8	1414: Yasuhiro NAMBU, Yoshihiro SHIBUYA and Yasuhiro HAYASHI: Seismic Performance Evaluation For Wooden Frame With Large Hanging Wall	1336: Hugo RODRIGUES, António AREDE, José Pedro SILVA, Patrício ROCHA and André FURTADO: Behaviour Of RC Columns Under Variable Axial Load And Bidirectional Horizontal Loading	Carlo Cauzzi: On The Customisation Of Shakedown For Optimised Use In Switzerland	3269: Laurentiu DANCIU and Iochem WESSNER: Pseudo-Probabilistic Seismic Hazard Sources For Vrancea Deep Seismicity	George Purcaru: Variable Complex Magnitude Mw Of Large And Great Earthquakes	3140: Domenico Di Giacomo: Parametric Data Collection From Pre-Wssn Seismological Bulletins
	2044: Christian I. OLIVERA, Benedikt HALLDORSSON, Simon OLAFSSON, Russell A. GREEN and Ragnar SIGBJORNSSON: A First Look At Site Effects At Icelandic Strong-Motion Stations Using Microseismic Data	929: Masaki MAEDA, Kazuto MATSUKAWA and Yoshihiro ITOH: Guideline for post-earthquake damage evaluation of RC buildings in Japan	591: Angelos TSATSIS, Ioannis ANASTASOPOULOS and George GAZETAS: Shaking Table Tests of A Rocking Bridge Pier On Improved Soil	Mehmet Baris Can Ulker: Dynamic Response Of Seabed-Rubble Mound Breakwater System Under Seismic Waves	1352: Zoran Mijutinovic, Radmila Salic, Ali Meghied and Hassan Amulua: Structural Health Monitoring Systems: State-of-the-Art Infrastructure For Emergency Decisions and Management Of Earthquake Distress	1342: Marco PRETI, Laura MIGLIORATI and Elio GIURIANI: Engineered Masonry Infill Wall Joints For Post-Earthquake Structural Damage Control	Javier Quinteros: A Fully Automated Implementation Of The Mw Magnitude For A Real-Time System	466: Florin PAVEL, Radu VACAREANU and Carmen CIOLANU: Directivity Effects Of Strong Ground Motions From Vrancea Subcrustal Earthquakes		

LUNCH BREAK - WORKING GROUP MEETINGS BEEE Editorial Board

<b>14: 30-15: 00 THEME LECTURES</b>	Roberto Paolucci: Physics-based earthquake ground shaking scenarios in large urban areas	Mario De Stefano: Pushover Analysis for Plan Irregular Building Structures	Amir Kaynia: Earthquake response of clay and quick clay slopes	Tatjana Isaković: Seismic Analysis and Design of Bridges with an Emphasis to Eurocode Standard	Ercan Yüksel: Testing of bare and retrofitted infills and their representation in seismic analysis of systems	Stefano Pamparin	Sergio Lagomarsino: Seismic Performance of Historical Masonry Structures Through Displacement-Based Assessment Procedures	Stéphanie Godey: Collecting, Merging and Promoting Seismological Bulletins Among and Beyond Countries of the Euro-Mediterranean Region	Gheorghe Marmureanu: Bridging the Gap between Nonlinear Seismology as Reality and Earthquake Engineering	Toprid van Eck: ORFEUS; making seismic waveform data available: From 1987 to EPOS	
<b>15: 00-16: 00 ORAL SESSIONS</b>	Earthquake Scenarios, Vulnerability And Loss Assessment Studies (5)	Performance-Based Seismic Assessment And Design (5)	Geotechnical Earthquake Engineering (3)	Seismic Design Code Developments And Related Issues (5)	Seismic Analysis And/Or Testing Of Structural Elements And/Or Systems (8)	Seismic Analysis And/Or Testing Of Structural Elements And/Or Systems (9)	Seismic Performance Of Historical Monuments And Structures (2)	Improving Seismic Networks Performances: From Site Selection To Data Integration	Nonlinear Seismology And The Implications On Engineering Seismology And Earthquake Engineering & Palaeoseismology	Seismic Sources: Theory, Methods And Applications (1)	
	1626: Christopher BURTON and Vitor SILVA: Integrated Risk Modeling Within The Global Earthquake Model (GEM): Test Case Application For Portugal	1836: Jorge RUIZ-GARCIA and Julio D. AGUILAR: Collapse potential under aftershocks taking into account post-mainshock permanent drifts	1029: Susumu YASUDA and Keisuke ISHIKAWA: Damage To Sewage And Gas Facilities Inflicted By The 2011 Great East Japan Earthquake	Fabio Di Tapani: Biaxial Curvature And Ductility Capacity Of RC Column Base Cross Sections	396: Galina ANTONOVSKAYA, Natalia KAPUSTIAN and NGO THI LU: Seismic Engineering Investigation Of Hydropower Station Dams	278: Hakim BECHTOULA, Abdelhalim AIROUCHE, Hassane ANNOUCHE, Youcef MEHANI, Abderrahmane KIBBOUA, Mustapha REMKI, Fouad KEHILIA: Performance and Overview Of The New 6 DOF Shaking Table Of C.G.S-Algeria	1016: Manuela MARINO, Fabio NERI, Alessandro DE MARA, Antonio BORRI: Experimental Data of Friction Coefficient for Some Types of Masonry and Its Correlation with an Index of Quality Masonry (IQM)	2383: Yuanxuan Liu and William C. Holt: The New Wave Geodesy Technique Applied To Usarray	A.M. Korzhenev, M.A. Avanesyan, A.S. Karakhanjan, A.A. Vardanyan, E. Vergino: Traces of ancient strong earthquakes in Quaternary deposits of the Sevan Lake, Armenia	Hideo Aochi: Dynamic Rupture And Ground Motion Simulations In The Sea Of Marmara	
	1692: Mabel C. MARULANDA, Martha L. CARREÑO Omar D. CARDONA, Mario G. ORDAZ and Alex H. BARBAT: Probabilistic Earthquake Risk Assessment Of Barcelona Using Capra	1857: Yasaman BALAZADEH MINOUEI, Sandra KOBROVIC and George MAVROEDIS: Seismic assessment of existing chevron braced frames designed in accordance with the 1980 Canadian code requirements	1305: Laurentiu FLORESCU and Helmut SCHWEIGER: Influence of Vibro Stone Columns On Ground Response	Jorge Ruiz-García: Evaluation Of Approximate Methods To Estimate Residual Drift Demands	824: Julia ROSIN, Benedikt HENNEBOEHL and Christoph BUELOWIS: Global Buckling Analysis Of Cylindrical Liquid Storage Tanks Under Earthquake Loading	566: Luigi DI SARNO, Crescenzo PETRONI, Genaro MAGLIULO, Giuseppe MADDALONI and Andrea PROTÀ: Shake Table Tests To Evaluate The Seismic Demand, Capacity And Dynamic Properties Of Hospital Contents	1179: Veronika SHENODVA, Zivko BOZINOVSKI, Robert APOSTOLSKA, Aleksandar ZLATKSKI and Goran JENKO: Seismic Safety and Stability of Existing Structure of St. Mary Peribleptos Church in Ohrid	2542: Clotaire Michel, Benjamin Edwards, Valerio Poggi, Jan Burjanek, Carlo Cauzzi and Donat Fah: Site Effects In Alpine Regions From Systematic Site Characterization At Strong Motion Stations	A.M. Korzhenev, S.V. Abovlev, T.A. Charimov, E.V. Deev, A.B. Fortuna, Muzakka, A.M. Muralev, E.A. Rogozhin, A.S. Yudakhin: On underestimated seismic hazard in the south of the Issyk-Kul Lake basin, Kyrgyzstan	Letort Jean: Teleseismic Moderate Earthquake Depth Estimations And Source Analysis Of Deep Intraplate Earthquakes To Image The Spatial Variations Of The Guerrero	
	1580: Emilia FIORINI, Paolo BAZZURRO and Vitor SILVA: Preliminary Results Of Risk Targeted Design Maps For Italy	1890: Ioannis GIDARIS, Alexandros TAFANIDIS and George MAVROEDIS: Surrogate modeling implementation for assessment of seismic risk utilizing stochastic ground motion modeling	1330: Robert THURNER and Fabian KIRSCH: Combination of Bored Piles and Stone Columns For The Earthquake Resistant Design	Stefania Viti: Seismic Assessment Of Existing Rc Buildings: Role Of Modeling In The Italian And European Technical Codes	1290: M. Orcun TOKLUK and Serdar SOYOZ: Reliability Assessment Of A Reinforced Concrete Chimney Under Earthquake Loading	827: Christophe MORDANT and Hervé DEGEË: Shake Table Tests On Unreinforced Load Bearing Masonry Sub-Structures	1463: Carina FONSECA FERREIRA, Natalie QUINN and Dina D'AYALA: A Logic-Tree Approach For The Seismic Diagnosis Of Historic Buildings: Application to Adobe Buildings In Peru	2583: Damiano Pesaresi, Angela Saraò, Pier Luigi Bragato, Paolo Di Bartolomeo, Giorgio Duri, and Michele Bertoni: 2014 State-Of-The-Art Of The Og, Northeastern Italy Seismic Network	M. Bohhoff, F. Bulut, E. Sterle, P. Martinez-Carzon, Y. Ben-Zion: Fault zone maturity defines maximum earthquake magnitude	Takehito Suzuki: Systematic Understanding Of Spontaneous Acceleration And Slip Cessation And Its Seismological Interpretation	
	1129: Chiara CASOTTO, Vitor SILVA, Helen CROWLEY, Rui PINHO, Roberto NASCIMBEN: Scenario Damage Analysis Of RC Precast Industrial Structures In Tuscany, Italy	536: Abdelrahman ASHRI and Aman MWAEY: 3D Vulnerability functions for contemporary buildings with varying structural systems and heights	1343: Raffaele DI LAZZARO and Emmanouil ROVITHIS: Kinematic Bending of Free Head Piles In Non-Homogeneous Soil	Simonetta Baraccani: On The Evaluation Of The Seismic Behavior Of Squat Silos Containing Grain-Like Material	2024: Birgir IDRIDASON, Rajesh BUDHARTEJ, Sven N. REMSETH and Ragnar SIGBJORNSSON: Earthquake Induced Response of Submerged Floating Tunnels With Tension Leg Anchorage	1850: Roshanak OMRANI, Kazuhiko KASAI, Tuan Nam TRAN, Ralph E. HUDSON, Etgenül TAGSOGLU: System Identification of The E-Defense Full-Scale Four Storey Steel Test Data Utilizing Shake Table Test Data	1488: Simonetta BARACCANI, Stefano SILVESTRI, Michele PALERMO, Giada GASPARINI, Tommaso TOMARETTI and Antonio DIB: The Assessment Of The Seismic Behaviour Of The Cathedral of Modena, Italy	2678: Mathias Franke, Stefan Radman, Youfik Allili: Redundant Data Center Configuration And Failover Procedure For Real-Time Seismic Networks	L. Gasperini, M.E. Aksoy, A. Polonia, M. Meghraoui: Neotectonics and palaeoseismology of the North-Anatolian fault system in the Gulf of Sars (northeastern Aegean sea)	Özlem Karagöz: Source Rupture Process Of The 19 May 2011 Kurayha-Smaya Earthquake (Mw=5.8) By Waveform Inversion	
	1107: Anže BABIČ and Matjaž DOLŠEK: The Impact Of Structural Components On Fragility Curves Of Single-Storey Industrial Precast Structures	1985: Fabrizio PAOLACCI, Renato GIANNINI, Mariela MARELLA, Silvia ALESSANDRI, Alessio PAGLINI: Toward a performance-based earthquake engineering analysis of short-medium span steel-concrete composite bridges	1567: Ali Güneş ÖZÇEBE, Carlo Giovanni LAI, Mario MARTINELLI: Performance Based Stabilization of Seismically Unstable Slopes By Large Diameter Piles	Evangella Garini: Elastic, Constant Ductility, And Sliding Spectra As Basis Of Inelastic Response Prediction	335: Sinan AKCOĞUZ, Andrew ARGYLE and Matthew DEJONG: The Role of Supplemental Damping In Limiting Force Demands In Rocking Structures	1860: Juan ALEMAN, Gilberto MOSQUEDA and Andrew WHITTAKER: Out-Of-Plane Shake Table Testing Of URM Walls With Parapets And Wood Diaphragms	1533: Hajda ADEMOLUJCIC and Mustafa HRASNICIA: Seismic Assessment and Strengthening of An Existing Multi-Storey Masonry Building in Sarajevo, Bosnia and Herzegovina	2760: Andrea Demuth, Henk Keers and Lars Ottemoeller: Detection Limits And Ambient Noise Levels Of The Norwegian National Seismic Network	Chao Liu: Progress Of In-Plane Shear Faults From Sub-Rayleigh Up To Compressional Wave Rupture Speeds		

POSTER SESSION

<b>17: 00-18: 30 SPECIAL SESSIONS</b>	EMME (Earthquake Model of Middle East: From Seismic Hazard to Seismic Risk) (2)	UPStrat-MAFA European Project: Developments and achievements (1)	Earthquake issues associated with long-span bridges	Systemic Seismic Vulnerability and Risk Analysis for Buildings, Lifeline Networks and Infrastructures Safety Gain: Methodology and Applications to Selected Case Studies in Europe	Field and laboratory testing to improve the seismic vulnerability assessment (2)	Seismic rehabilitation and retrofit of structures (2)	Recent advances for improving seismic behaviour of reinforced concrete walls (1)	SAFECLADDING: Improved Fastening Systems of Cladding Wall Panels of Precast Buildings in Seismic Zones	NERA (Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation) EU FP7 Project Developments (2)	Studying Seismic Sources: Theory, Methods And Applications (2)	
	3458: Aysegül ASKAN, Nino TSETERELI and Hossein HAMZELOO: Hybrid-Empirical Ground Motion Models for Georgia	2840: Gaetano ZONNO, Renata ROTONDI, Carlos Sousa OLIVEIRA, Alexandra Carvalho, Mariano GARCIA-FERNANDEZ, Ragnar SIGBJORNSSON and Working Group of UPStrat-MAFA European project: UPStrat-MAFA European Project: Developments And Achievements	Mustafa Erdik: Assessment Of Design Based Ground Motion For Important Bridges	2860: Paolo Franchin, Paolo Emilio Pinto: Seismic Vulnerability Assessment Of Infrastructures And Socio-Economic Impacts: General Methodology	2284: Luc VASSEUR, Christophe MORDANT and Hervé DEGEË: Experimental Testing on Modern Clay Masonry Structures	2277: Maria Gabriella MULAS and Federico PEROTTI: Reasons for The Collapse Of Two RC Buildings During The L'Aquila 2009 Earthquake	S. Sritharan, K. Beyer, R. Henry, Y.H. Chai, M. Kowalsky, D. Bull: Lessons from 2011 Christchurch earthquake for improving seismic performance of concrete walls	345: Tatjana ISAKOVIĆ, Blaž ZOUBEK, Jole LOPATIC and Matej FISCHINGER: Experimental Research Of Typical Cladding Panel Connections In Industrial Buildings	2354: Laurent FROBERT, Rémy BOSSU, Philipp KÄSTLI, Josef KÜNG, Alessandro SPINUSO, Luca TRANI, Torild VAN ECK and Helmut WENZEL: The Euro-Med Seismological Portal and Its WebServices for Improved Data Access	Christos Evangelidis: Earthquake Source Imaging By Backprojection Of Local Broadband And Strong Motion Waveforms: Examples, Advantages And Limitations.	
	3230: Muhammad AHMED, Sarosh H. LODI, Syed Shahid ALI and Naveed ALAM: Seismic Risk Assessment of Built Environment in Pakistan	2704: Renata ROTONDI, Elisa VARINI and Carla BRAMBILLA: Macroseismic Attenuation From Probabilistic Perspective in European Countries	Erdal Şafak: Structural Health Monitoring Of Suspension Bridges In Istanbul	3057: Graeme WEATHERILL, Simona ESPOSITO, Iunio IERVOLINO and Paolo FRANCHINI: Understanding Seismic Hazard Needs For Infrastructure Risk Analysis: Lessons From Syner-G	2218: George C. YAO, Wei-Chung CHEN, Wen-Jiun CHOU, Yung-Cheng CHANG: Seismic Vulnerability Evaluation Study of an OHS Facility	2287: Francesca BARBAGALLO, Melina BOSCO, Aurelio GHERSI, Edoardo M. MARINO, Pier Paolo ROSSI and Paola R. STRAMONDO: Collaboration of a Design Method for Seismic Upgrading of Existing R.C. Frames by BRBS	R. Henry, Y. Lu: Research to address the performance of lightly reinforced concrete walls during the 2010/2011 Canterbury earthquakes?	557: Blaž ZOUBEK, Matej FISCHINGER, Tatjana ISAKOVIĆ: Seismic Response Of Dowel Connections In Precast Industrial Buildings	2356: Helen Crowley, Sevgi Orcebe, Robin Spence, Roxane Foulser-Piggott, Hannah Baker: Development of a European Building Inventory Database	Seok Goo Song: Linear Source Inversion With The Full Complexity Of Earthquake Rupture, Including Both Supershear Rupture And Slip Reactivation	
	2760: Christos Z. CHRYSOCHOTIDOU, Ioannis KYRIAZIS: Seismic Risk Assessment for the Cyprus Region	2732: Raffaele AZZARO, Salvatore DAMICO, Tiziana TUVE: Probabilistic Seismic Hazard Assessment In The Mt. Etna Region (Italy): Application To Local Volcanotectonic Earthquakes	Nurdan Apaydin: Retrofitting Of Bridges In Istanbul	1147: İrfak HANÇALAR, Patricia TENERELLI, Sotiris ARGYROUDIS and Kyriazis PITILAKIS: Data Collection And Inventory Compilation Methods For Seismic Risk Assessment: Application Of Remote Sensing Techniques For Building Inventory Update	2297: Ljubomir TASHKOV, Lidija KRSTEVSKA: Seismic Shake-Table Testing of Base-Isolated Structures- IZIS Experience	2292: Hugo RODRIGUES, António Arede, José Pedro SILVA, Patrício ROCHA and André FURTADO: Experimental Study on Repaired and Retrofitted of RC Columns under Biaxial Cyclic Loading	M. Hube, A. Marhuen and J.C. De La Lera: Effect of reinforcement detailing in the seismic behaviour of slender walls	802: Ioannis N. PSYCHARIS, Ioannis KALYVIOTIS, Harris P. Mouzakis: Experimental And Numerical Investigation Of Fixed Connections Of Rc Cladding Walls To Precast Buildings	2357: Lucia MARGHERITI, Sebastian HAINZL, Tobias BOBERGER, Adalino GOVONI, Milena MORETTI, Bertrand DELouis, Cécile CORNOU, Anne PAUL, György HETÉNYI and John CUNLIF: NERA (NAT): Networking European Rapid Response Networks (ERN)	Alena Sereckina: Seismic Moment Tensors Of The Pribaikalye Earthquakes And Seismotectonic Deformations Of The Crust	
	3176: Alta ELIAS, Remy EL-KHOURY, Romy HELOU, Guy GHOSN, Abed HAJJ-CHEHADEH: A First Earthquake Hazard to Risk Assessment in Lebanon: The EMME Project	2855: Maria-Jose JIMENEZ, Dario ALBARELLO and Mariano GARCIA-FERNANDEZ: PSHA In Se: Spain Based On Macroseismic Site Histories	Cem Yenidogan: The Performance Assessment Of Seismically Isolated Bridges In Near-Fault Regions	3143: Sotiris ARGYROUDIS, Amir M. KAYNIA, Helen CROWLEY: Fragility Functions For Physical Elements Due To Seismic Risk	2319: Lidija KRSTEVSKA and Ljubomir TASHKOV: Implementation of Experimental Results Obtained by In-Situ Testing in Evaluation of Seismic Stability of Structures-Case Studies	2316: Amarjeet Saini, Mehdi Saidi: Post-Earthquake Damage Repair of Various Reinforced Concrete Bridge Components	Z.W. Zhang and B. Li: Evaluation of seismic performance of slender T-shaped and T-shaped RC structural walls	1877: Antonella COLOMBO, Giandomenico TONIOLO, Paolo NEGRO: The Influence Of Precast Structures: The Safecladding Project	2359: Reinoud SLEEMAN, Luca TRANI, Odysseus GALANIS, Torild VAN ECK, Jordi DOMINGO BALLESTA: NERA WP21: ORFEUS Remote Waveform Data Services	Tetsuo Yamashita: Slow Slip Generated By Serpentine Dehydration Coupled With Slip-Induced Dilatancy And Thermal Pressurization	
	3147: Nino TSETERELI, Viktor ALANIA, Otar VARAZANASHVILI, Vakhtang ANABIDZE, Nick ARYVAZDZE, Tengiz GUGUESHASHVILI, Emili TSETERELI: The Earthquake Loss Scenario for the City of Tbilisi	3260: Vera DAMICO, Dario ALBARELLO, Ragnar SIGBJORNSSON and Rajesh RUPAKHETI: Seismic Hazard Assessment For Iceland Using A Site Approach	Nurdan Apaydin: Yavuz Sultan Selim Hybrid Bridge (3 Bosporus Bridge)	2749: Pierre GEHL, Nicolas DESRAMAULT and Amélie WAGNER: SYNER-G - Taxonomy for the systemic approach	2331: Serena CATTARI, Ambra CHIOCCARIELLO, Hervé DEGEË, Catherine DOMEUX, Sergio LAGOMARSINO, Christophe MORDANT: Seismic Assessment of Masonry Buildings from Shaking Table Tests and Nonlinear Dynamic Simulations by the Proper Orthogonal Decomposition (POD)	2320: Raquel PAULA, Luis GUERRERO, Vitor CÔIAS: Innovative Dissipation Panels for Seismic Retrofitting	S. Kono, M. Tani, T. Mukai, H. Fukuyama, R. Talle, M. Sakashita: Seismic behaviour of reinforced concrete walls for a performance based design	2168: Fabio Biondini, Bruno Dal Lago, Giandomenico Tonio: Experimental And Numerical Assessment Of Dissipative Connections For Precast Structures With Cladding Panels	2360: Jochem WÖSSNER, Florian HASLINGER, Philipp KÄSTLI, Laurentiu DANCIU and Domenico GIARDINI: The European Facility for Earthquake Hazard and Risk - Current Status and Its Future	Efthymos Sokos: Isola Software For Moment-Tensor Inversion: Recent Innovations	
	3174: Muheeb Awawdeh, Hanan Al-Nimry, Rasheed Jaradat, Adnan Khasawneh, Soud Quran: Earthquake Risk Assessment for Irbid City, Jordan	2040: Simon OLAFSSON, Danilo GALLUZZO, Alexandra CARVAHO, Horst LANGER, Carlos OLIVEIRA and Ragnar SIGBJORNSSON: Ground Motion Modelling Based On Data From The Azores Islands, Italy And South-Iceland	E. Dedeoğlu: Izmit Bay Suspension Bridge	2263: Georgios Tsionis, Michael N. Fardis: Seismic fragility curves for reinforced concrete buildings and bridges in Thessaloniki	2387: Celeste ALMEIDA, António AREDE, João Paulo GUEDES, Anibal COSTA: Shear-Compressive Experimental Behaviour of One-Leaf Stone Masonry Walls in North of Portugal	J. Pugh, L. Lowe, D. Lehman: Seismic design of concrete walled buildings	2191: Marco LAMPERTI, Bruno DAL LAGO, Alberto DAL LAGO: Fastening Of Cladding Panels: Can Sliding Connections Really Slide?	2544: Faruk KARADOĞAN, Ercan YÜKSEL, Erkan ŞENOL: Diaphragm Action Of Slab Type Structure Consisting Of Precast Elements Connected By Energy Dissipaters	2545: Erkan ŞENOL, Ercan YÜKSEL, Faruk KARADOĞAN: Irregular Slab Type Structures Consisting Of Precast Elements Connected By Energy Dissipaters	Aybike Akrc: Mapping the Spatial and Temporal Variation of b-value of the 23 October 2011 Mw 7.1 Van Earthquake Aftershock Activity	
		3133: Mónica Amaral FERREIRA, Francisco MOTA DE SÁ, Carlos Sousa OLIVEIRA: The Disruption Index (DI): Concept, Impacts And Application To Algarve Region In Portugal	N. Güngör: South Approach Viaduct Of Izmit Bay Bridge	2633: Kyriazis PITILAKIS, Sotiris ARGYROUDIS, Jacopo SELVA, Kalliopi KAKDERI, Bijan KHAZAI: Systemic Vulnerability and Risk Analysis of Buildings and Infrastructure in the City of Thessaloniki, Greece	2925: Helmut WENZEL, David SCHÄFER, and Francesco GANELLI: Seismic Vulnerability Of Buildings In The Vienna Basin: A Case Study						
				2999: Simona Esposito and Iunio Iervolino: Seismic Risk Analysis Of L'Aquila Gas Distribution Network							

GALA DINNER



FRIDAY 29 AUGUST 2014

JOINT KEYNOTE LECTURE: MUSTAFA ERDIK: Rapid Post-Earthquake Loss Assessment

Coffee Break

EAAE KEYNOTE LECTURE: MATEJ FISCHINGER: Seismic response of precast industrial buildings

ESC KEYNOTE LECTURE: PETER J. STAFFORD: Variability and Uncertainty in Empirical Ground-motion Prediction for Probabilistic Hazard and Risk Analyses

POSTER SESSION

	OS-1	OS-2	OS-3	OS-4	OS-5	OS-6	OS-7	OS-8	OS-9	OS-10
<b>12: 30-13: 30 ORAL SESSIONS</b>	Seismic Analysis and Design of Bridges (3)	Performance-Based Seismic Assessment and Design (9)	Earthquake early warning/rapid response coupled to real-time risk assessment	Seismic Analysis and/or Testing of Structural Elements and/or Systems (12)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (13)	Acquisition and Analysis of Strong Motion Data	Share your data with the community: Data models, metadata and services in seismology	Multi-scale passive seismic imaging and monitoring (1)	Earthquake swarms and associated processes (1)	Working together Enhancing engagement between researchers and practitioners for risk mitigation
	Kevin Mackie: Large Parameter Study of Concrete Girder Bridge Using Design of Experiments	206: Marco DE BIASIO, Stephane GRANGE, Frederic DUFOUR, Frederic ALLAIN and Ilie PETRE-LAZAR: Correlation between seismic ground motions and floor acceleration demand for frame and structural-wall buildings	Yin-Cheng Yang: Ground Motion Estimation Using Front Site Wave From Data Based On RVM For Earthquake Early Warning	1354: Leopoldo TESSER, Michele PALERMO and Filip FILIPPOU: Nonlinear Analysis Of Shear Wall Structures By An Efficient Reinforced Concrete Membrane Element	1522: Donatello CARDONE, Giuseppe GESUALDI, Felice CAPONZO and Giuseppe ROSA: Model Updating Of Base Isolated Buildings Based On Experimental Results Of In-Situ Release Tests	Eser Cakir: Structural Health Monitoring Systems in Istanbul	Alessandro Spinoso: The Venice Science Gateway: Interactive Forward Modelling And Metadata Management	Francesco Mulargia: A Seismic Passive Imaging Step Beyond SPAC And Remi	2589: Panayotis PAPADIMITRIOU, Vasilis KAPETANIDIS, Andreas KARAKONSTANTIS, George KAVIRIS, George BOZONTOLOS, Nicholas VOULGARIS and Kostas MAKROPOULOS: A Seismological Study In The Santorini Volcanic Complex Area During 2011 – 2012	2461: Rodgers, J.E., Seeber, L., Clahan, K.B., Gahalaut, V.K., Tobon, L.T., Ramacharia, P.K., Kumar, H., Ralte, V.Z., Holmes, W.T. and Tlau, R.: A Collaborative Approach To Addressing High Earthquake And Landslide Risk In Atzav, India
	Bahareh Mobasher: Sensitivity of Response of Skewed Seat-Type Abutment Bridges To Exterior Shearkey Modeling	2120: Ioannis P. CHRISTOVIASIS, Gian Paolo CIMELLARO, Simone BARANI and Sebastiano FOTI: On the selection and scaling of ground motions for fragility analysis of structures	Yusa Gokhan Durgun: INVESTIGATION ON THRESHOLD BASED EARLY WARNING SYSTEM	1447: José MELO, Humberto VARUM and Triana ROSSETTO: Experimental Response Of RC Elements Built With Plain Reinforcing Bars	1601: Sukhal LU, Andreas JÄGER, Hervé DEGÉE, Christophe MORDANT, Ambra CHIOCCARELLO, Zoran RAKIČEVIĆ, Veronika SENDOVA, Paulo CANDEIAS, Luis MENDES, Alfredo CAMPOS COSTA and Ema COELHO: Full-Scale Shaking Table Tests Of Two Storey Modern Thermal Insulation Clay Block Masonry Buildings Including Nonlinear Pushover Analysis	Gian Paolo Cimellaro: OpenSignal: A Software Framework For Earthquake Record Processing And Selection	Fabian Euchner: Towards QuakeML 2.0: New Packages, Techniques, Tools	Stefano Marano: Analysis Of Ambient Vibrations Using A Maximum Likelihood Method	3431: Kristin JÖNSDÓTTIR, Gunnar B. GUNNARSSON, Martin HENNSCH and the SIL-team: Recent Earthquake Swarms In The Tjörnes Fracture Zone In N-Iceland: Results From Spatial And Temporal Analyses	2934: Platt, S., So, E., Bevington, J., Verrucci, E. and Pittore, M.: Thinking Fast Thinking Slow: Bridging The Gap Between Research And Practice In Disaster Recovery
	Christopher McCracken: Seismic Analysis Of The Flexirach	340: Paulina KROLO, Mehmed CAUSEVIC and Mladen BULIC: The extended NZ method in seismic design of steel frames considering semi-rigid joints	Matteo Picozzi: Testing The 'Presto' Early Warning Algorithm In North-Eastern Italy, Austria And Slovenia: Update Analysis	1538: Marin GRUBIŠIĆ and Vladimir SIGMUND: Comparison Of Different Strengthening Techniques Of Damaged And Weak Reinforced-Concrete Frames	1621: Felice PONZO, Rocco DITOMMASO, Domenico NIGRO, Rosa ROMANELLO: Analysis Of Dynamic Behaviour Of A Base Isolated Building: A Release Test In Augusta (SI), Italy	Philippe Renault: Pegasus Refinement Project: Results And Lessons Learned From The Psha For Swiss Nuclear Power Plants	Katrin Philipp: A Proof-Of-Concept Metadata Registry Based On QuakeML Identifiers	Marco Pilz: Statistical Properties Of The Seismic Noise Wave Field: Influence Of Soil Heterogeneities	2766: Luigi PASSARELLI, Dirk RÖSSLER, Sebastian HAINZL, Simone CESCA, Francesco MACCARELLI, Marco MUCCARELLI, Alidino GOVONI, Milena MORETTI, Eleonora RIVALTA, Lucia MARGHERITI, Heiko WOTH, Thomas BRAUN and Torsten DAHM: A Swarm-Like Sequence Striking In A Seismic Gap Region: The Pollino Range, Southern Apennines Seismic Sequence	3245: Atun, F., Dandaoulaki, M., Jimenez, M.J. and Menoni, S.: Enabling Disaster Risk Reduction (Drr) Knowledge By Working Together: Learning From Istanbul
	Selçuk Bas Response of Fatih Sultan Mehmet Suspension Bridge Under Site-Specific Multi-Point Earthquake Excitations	1092: Nilay CELİK and Yuri PETRYNA: Mechanically consistent indicators for seismic damage of RC frames	Matteo Picozzi: Presto - Probabilistic And Evolutionary Early Warning System: Concepts, Performances, And Case Studies	427: Shokoufeh ZARGAR and Ricardo A. MEDINA: Hybrid Simulation Of An Exterior Steel Column In A 20-Story Moment Resisting Frame	1744: Harry JOHNSTON, Chris WATSON, Stefano PAMPANIN and Alessandro PALEOMO: Shake Table Testing Of An Integrated Low Damage Building System	Alireza Azarbakht: A New Methodology For Assessment Of The Stability Of Ground Motion Prediction Equations	Mario Locati: Describing Non-Instrumental Seismological Data In QuakeML: The Need For A Macrosismic Extension	Costas Papazachos: 3d Vs Modeling From High-Frequency Ambient Noise Tomography: The Case Of Northern Aegean Basin, Euroseistest Area (Northern Greece)	2837: Pouye YAZDI and Jorge M. GASPAR-ESCRIBANO: Seismic Analysis Of The Torreperogil Seismic Sequence (Southern Spain)	3370: Komendantova, N. and Scoblog, A.: Multi-Risk Governance: From Science To Policy-Making
	Denis Dav: Seismic Analysis And Design Of Bridges According To Ecb-2: Comparison Of Different Analysis Methods On A Theoretical Case-Study	456: Egemen SÖNMEZ and Cemalettin DONMEZ: Effect of infill wall stiffness variations on the behavior of reinforced concrete frames under earthquake demands	1253: J.S KUANG and Zhe WANG: Cyclic Load Tests Of RC Frame With Column-Isolated Masonry Infill	1547: Mustafa HRASNIĆ, Naida ADEMOVIC, Kostas Paschalis, Vasilios Papanikolaou and Elias Paraskevopoulos: T-H Dynamic And Nonlinear Static Analysis For The PV Canopy Of The New Athens Opera House	1731: Hossein MOHAMMADPANAH, Mohammad YEKRAVANI, Ali BAKHSHI and MohammadALI GHANMAD: FEM Modeling Of In-Plane Behavior Of Reinforced Adobe Walls Under Cyclic Loading	Zygmunt Lubkowski: Seismic Design Considerations For East Africa	Benedikt Halldorsson: Site Effects Estimation Using Ambient Noise And Earthquake Data At The Icearray II, North Iceland	Ortensia Amoroso: 3d Seismic Imaging Of The Irpinia Fault System (Southern Italy) From Multi-Scale Velocity And Attenuation Tomography	3023: Josef HORÁLEK, Hana ČERNÁČKOVÁ and Tomáš FISCHER: West Bohemia/Vogtland Earthquake Swarms: The Spatiotemporal Distribution Of Foci And Source-Mechanism Pattern - A Key To Understanding Of Their Origin	1285: F. Tuha KADIRIÖZÜLÜ, Recai F. KARTAL, Tuğbay KILIC, Doğan KALAFAT, Tamer Y. DUMAN, Selim ÖZALP and Ömer EMRE: An Improved Earthquake Catalogue (M > 4.0) For Turkey And Near Surrounding (1900-2012)
<b>13: 30-14: 30</b>	<b>LUNCH BREAK - WORKING GROUP MEETINGS</b>									
<b>14: 30-16: 00 ORAL LECTURES</b>	European Services for Seismology In the context of the European Plate Observing System (EPOS)	Performance-Based Seismic Assessment and Design (10)	Lessons from Recent Earthquakes	Seismic Analysis and/or Testing of Structural Elements and/or Systems (14)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (15)	Earthquake Risk Mitigation Policies and Methodologies	Urban Strong-motion Arrays: New Advances and Applications	Multi-scale passive seismic imaging and monitoring (2)	Earthquake swarms and associated processes (2)	Seismicity of the European-Mediterranean Area
	Kristin Vogtjard: The Future/Supersite E-Infrastructure	979: Ciro DEL VECCHIO, Marco DI LUDOVICO, Andrea PROTA and Gaetano MANFREDI: Shear capacity of rc beam-column joints retrofitted with FRP systems	1602: Emily SQ and Antonios POMOIS: The Gem Earthquake Consequences Database (GEMECO)	2126: Mihail GAREVSKI, Vanco OJLIGANIC, Goran JEKIC, Igor GJORGJEVIC, Nikola NAUMOVSKI and Aleksandar ZUROVSKI: Experimental In-Situ Testing Of Nine Storey Building By Forced And Ambient Vibration Methods	3419: Gregory Penelis, George Penelis, Kostas Paschalis, Vasilios Papanikolaou and Elias Paraskevopoulos: T-H Dynamic And Nonlinear Static Analysis For The PV Canopy Of The New Athens Opera House	Bijan Khazai: Indicator Toolkit And Database For Integrated Risk Assessment	Benedikt Halldorsson: Icearray II In North Iceland: Towards Real-Time Earthquake Fault Monitoring And Seismic Risk Assessment Using Dense Geodetic And Seismic Arrays In Urban Areas	Anne Obermann: Seismic Noise Correlations To Image Changes In Heterogeneous Structures: Applications To Volcano And Fault Zone Monitoring	2727: Sebastian HAINZL, Tomas FISCHER and Torsten DAHM: Seismicity-Based Estimation Of The Driving Fluid Pressure In The Case Of Swarm Activity In Western Bohemia	1285: F. Tuha KADIRIÖZÜLÜ, Recai F. KARTAL, Tuğbay KILIC, Doğan KALAFAT, Tamer Y. DUMAN, Selim ÖZALP and Ömer EMRE: An Improved Earthquake Catalogue (M > 4.0) For Turkey And Near Surrounding (1900-2012)
	John Clinton: Eida: The European Distributed Waveform Data Archive For Seismology	1009: Ioannis Sokratis DRAKATOS, Katrin BEYER and Aurelio MUTTONI: Lateral force resisting mechanisms in slab-column connections: an analytical approach	527: Farnaz MAHDAVIAN, Maki KOYAMA, Mert TÜSAL, Mehmet M. DAŞIRAN: Behavior Patterns In Major Disasters	1411: Marçal WAKULI, Jun IYAMA and Tsuyoshi KOYAMA: Detection Of Nonlinearity In Vibrational Systems Using The Second Time Derivative Of Absolute Acceleration	1731: Hossein MOHAMMADPANAH, Mohammad YEKRAVANI, Ali BAKHSHI and MohammadALI GHANMAD: FEM Modeling Of In-Plane Behavior Of Reinforced Adobe Walls Under Cyclic Loading	Zygmunt Lubkowski: Seismic Design Considerations For East Africa	Benedikt Halldorsson: Icearray II In North Iceland: Towards Real-Time Earthquake Fault Monitoring And Seismic Risk Assessment Using Dense Geodetic And Seismic Arrays In Urban Areas	Anne Obermann: Seismic Noise Correlations To Image Changes In Heterogeneous Structures: Applications To Volcano And Fault Zone Monitoring	2727: Sebastian HAINZL, Tomas FISCHER and Torsten DAHM: Seismicity-Based Estimation Of The Driving Fluid Pressure In The Case Of Swarm Activity In Western Bohemia	1285: F. Tuha KADIRIÖZÜLÜ, Recai F. KARTAL, Tuğbay KILIC, Doğan KALAFAT, Tamer Y. DUMAN, Selim ÖZALP and Ömer EMRE: An Improved Earthquake Catalogue (M > 4.0) For Turkey And Near Surrounding (1900-2012)
	Daniele Ballo: Epos E-Infrastructure And Seismology	2117: A. V. BERGAMI and Camillo NUTI: A design procedure of dissipative braces for seismic upgrading structures	61: Stephen PLATT and Emily SO: Speed Of Deliberation - A Comparison Of Post Disaster Recovery In Japan And Turkey	1555: Alfredo GONZÁLEZ FONSECA, Enrico SPACONE and Roberto NASCIMBENE: Effect Of Modelling Mass And Damping On The Prediction Of Axial Force Variation In Cantilever Walls During Non-Linear Response Analysis	280: J. Paul SMITH-PARDO, Juan C. BEYES, Oscar A. ARDILA-GIRALDO, Luis ARDIABATHIA, and J. Nicolas VILLAMIZAR-GONZÁLEZ: Dynamic Effect Of Sliding Rigid Blocks On The Seismic Response Of Structures	Chrysa Gountrouchou: Seismic Disaster Preparedness Policy In Risk Management Planning - Greece	Emmanouil Rovithis: Index-Musa Project - Integrated Monitoring Of Subsiding Coastal Areas Prone To large Earthquakes: The Case Of Kalochori In Greece	Inna Sokolova: Identification Of Records Of Natural (Not Tectonic) Phenomena And Industrial Events By Kazakhstan Seismic Stations	2756: Jan SILENY and Josef HORÁLEK: Shear-Tensile Source Model: West Bohemia/Vogtland Swarm In 1997	189: Domenico PENNACCI, Luis RODRIGUEZ ABREU and Paolo BAZZURRO: A Comparison Of Italian Seismicity Rates based on Smoothed and Area Source Modelling Methodologies
	Florian Haslinger: Epos-Seismology - Strategy And Outlook For An European Integrated Seismological Service Infrastructure	1480: Mehmet Bariş Can Ülker: Dynamic Response Of Seabed-Rubble Mound Breakwater System Under Seismic Waves	1742: Ünal ALDEMİR, Abdul HAYIR, Mustafa GENÇOĞLU, Zekai CELEP, Kadir GÜLER, Bahattin KİMENCE, Beyza TAŞKIN, Turgut ÖZTÜRK, Mevlüt ÇELİK, Bekir PEKMEZCI, Ülgen Mert TÜSAL, Mehmet M. DAŞIRAN: Seismic Safety Evaluation And Strengthening Of School Buildings After 2011 Van Earthquakes	1715: Romain SOUSA, António A. CORREIA, João P. ALMEIDA and Rui PINHO: Blind Prediction Tests As A Benchmark To Improve The Seismic Response Of Fibre Models	488: Marco FURINGHETTI, Chiara CASAROTTI and Alberto PAVESE: Bi-Directional Experimental Response Of Full Scale DCS Devices	Kishor Jaiswal: Assessing The Seismic Risk Potential Of South America	Ragnar Sighjörsson: On The Modelling Of Incoherence Of Strong-Motion: A Study Of The May 2008 Öfús Earthquake	Marco Bohnhoff: Downhole Seismic Monitoring In The Istanbul/Eastern Sea Of Marmara Region: Recent Results From The Icdp-Gonaf Project	Luigi Passarelli: A Swarm-Like Sequence Striking In A Seismic Gap Region: The Pollino Range, Southern Apennines Seismic Sequence	
		1669: Serdar Binzet, Cüneyt TÜZÜN, Mustafa ERDİK: Performance based design of a high rise building based on Istanbul tall building seismic code	193: Greg PRESTON, Umut AKGUZEL and Robert FINCH: The Uc Quake Centre: Enhancing Earthquake Engineering In New Zealand	1378: Evangelos MERGOS and Katrin BEYER: Loading Protocols For European Regions Of Low To Moderate Seismicity	2189: Jesús DONAIRE-ÁVILA and Amadeo BENAVENT-CLIMENT: Shake Table Test For Assessing The Seismic Behavior Of Waffle Slab Structures With Non-Orthogonal Columns Distribution	Emil-Sever Georgescu: Urban Heritage Value And Seismic Vulnerability Mapping: Challenges For Engineering And Architectural Assessments. Case Study Of A Protected Area In Bucharest, Romania	Rajesh Rupakthety: Parametric Time Series Modelling Of Spatially Variable Strong Ground Motion		2756: Jan SILENY and Tomáš FISCHER: Source Parameters Of The Swarm Earthquakes In West Bohemia/Vogtland	
		663: Sohrab BAGHERY, Jacques CHATAIGNER, Gabriel DALUM, Aïta Faye CHELLAL, Xavier THOLLARD: Seismic isolation and displacement control of the new hospital in Monaco	1387: Laura LIBERATORE, Luigi SORRENTINO, Domenico LIBERATORE: Damage Suffered By Industrial Buildings During The 2012 Emilia (Italy) Earthquakes			Vitor Silva: Development Of A Framework For Real Time Earthquake Loss Estimation For Portugal			3302: Lucia FOJTIKOVÁ and Jiří ZAHRADNÍK: New Strategy For Weak Events In Sparse Networks: First-Motion Polarity Solutions Constrained By Single-Station Waveforms	
		3318: Aysegül GÖĞÜS: Swaminathan KRISHNAN; Hussein DANAKIA; Murat MELLEK and Atilla ZEKIOĞLU: Caltech Virtual Shaker and Atlas ZEKIOĞLU: Caltech Virtual Shaker	839: Gennaro MAGLUILO, Marianna ERCOLINO, Crescenzo PETRONE, Ornola COPPOLA and Gaetano MANFREDI: Why did Many Precast Rc Buildings Collapse During The 2012 Emilia Earthquakes?						2940: Pavla HRUBCOVÁ, Václav VAVRYČUK and Alena BOUSKOVÁ: Detection Of Shallow Critical Discontinuities From High-Frequency Waveforms Of Swarm Earthquakes In West Bohemia/Vogtland Seismotectonic Area	
<b>16: 15-17: 00</b>	<b>ESC CLOSING PLENARY</b>									
<b>17: 00-18: 00</b>	<b>CLOSING CEREMONY</b>									

COLORS INDICATE DIFFERENT SESSIONS OF THE SAME AND/OR RELATED TOPICS