



## EUROPEAN ASSOCIATION FOR EARTHQUAKE ENGINEERING

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Audit Committee: Emil Sever Georgescu (Romania), Rudolf Heuer (Austria)

### **MINUTES OF THE EXECUTIVE COMMITTEE MEETING**

**Number: 6**

**Date: August 24, 2014**

**Place: Istanbul, Turkey**

**Attendance:**

*Mihail Garevski, President*

*Andreas J. Kappos, Secretary*

*Martin Koller, Vice President*

*Rainer Flesch, Treasurer*

*Mauro Dolce, Vice President*

*Alain Pecker*

*Atilla Ansal, Secretary General*

*Zygmunt Lubkowski*

**Absentee:**

*Carlos Sousa Oliveira*

*Pierre - Yves Bard, ESC Representative*

**Prologue:**

The sixth meeting of the Executive Committee of the European Association for Earthquake Engineering for 2010-2014 Period was held in Istanbul, Turkey on Sunday August 24, 2014 between 15:00 and 16:30.

**Agenda:**

1. Welcome and Approval of the Agenda
2. Introduction by the President
3. Report on the Organization of 2ECEES
4. Report on the Central Office Activities for 2010-2014
5. Approval of the Financial Report for 2010-2014
6. Application to organize the 16<sup>th</sup> ECEE in 2018
7. Agenda of the Association Council Meeting
8. Approval of the Participants and the Agenda of the General Assembly
9. Working Groups Activities
10. Proposals for the New Executive Committee Members
11. Miscellaneous

**Item 1:** The Members of the Executive Committee are welcomed to the Sixth Executive Committee Meeting for the 2010-2014 Period. The proposed Agenda of the Meeting was approved.

**Item 2:** The President Mihail Garevski summarised the EAEE activities during the past four years concerning the Executive Committee meetings, the Bulletin of Earthquake Engineering, the GGEE book series and the new web site. He expressed his gratitude and thanks to all Executive Committee members for their support and interest in all phases of EAEE activities.

**Item 3:** The Secretary General summarized the final preparations for the Second European Conference on Earthquake Engineering and Seismology, 2ECEES.

- a. He presented :
  - the final detailed program (Annex 1),
  - the number of sessions, abstracts, full papers, oral, and poster presentations for EAEE, ESC, and Special Sessions (Annex 2),
  - the first volume of "Perspectives on European Earthquake Engineering and Seismology" included in the conference USB,
  - the participant list of the Young Seismologists and Engineers Training Course and the Programme (Annex 3).
- b. the Secretary General as the Co-Chairman of the 2ECEES explained briefly some of the difficulties encountered in the organization of the joint EAEE & ESC conference and suggested that new guidelines be prepared for joint conferences to resolve some of the problems such as:
  - Deadlines should be the same for everybody,
  - ESC sessions should be like EAEE sessions coordinated by the LOC,
  - Both ESC & EAEE members can propose special sessions,
  - Full text, or at least extended abstract (3 pages), should be required from all,
  - Keynote and theme lecturers should be selected by the LOC,
  - ESC and EAEE ExComs can suggest some names at least one year in advance,
  - The harmonization of opening and closing ceremonies for EAEE and ESC.

**Item 4:** Secretary General informed the Committee about:

- a. The main points of the Central Office activities for 2010-2014 term,
- b. The formal application from the National Delegate of Greece and President of the Hellenic Society of Earthquake Engineering (K. Pitilakis) for hosting the 16th European Conference of Earthquake Engineering in 2018, in Thessaloniki, Greece.
- c. The plans for the organization of the Association Council to be held on Tuesday evening August 26 in Swiss Hotel Living Building starting on 19:30.
- d. The plans for the organization and the agenda of the EAEE General Assembly to be held on Thursday evening August 28 in Lutfi Kirdar Congress Centre in Dolmabahçe Hall starting on 19:30.
- e. Secretary General summarized the possible developments concerning the Bulletin of Earthquake Engineering becoming monthly published in 2015 and responsibilities of the Editorial Board. He also informed the Committee about the BEE Editorial Board that will take place on Wednesday August 26.

**Item 5:** The budget for 2010-2014 was approved to be submitted to EAEE General Assembly (Annex 4)

- Item 6:** The Committee approved the application of the Hellenic Society of Earthquake Engineering to organize 16th European Conference of Earthquake Engineering in 2018, in Thessaloniki, Greece. The Secretary General briefly mentioned the EAEE tradition of organizing regional seminars at least one seminar between European conferences by the country that will be organizing the forthcoming ECEE. He suggested to encourage Hellenic Society to organize one regional seminar during 2016 or 2017.
- Item 7:** The Committee approved the agenda of the Association Council to be held on Tuesday evening August 26, 2014 (Annex 5).
- Item 8:** The Committee approved the list of participants and the Agenda of the General Assembly to be held on Thursday evening August 28, 2014 (Annex 6).
- Item 9:** The report on the Working Group Activities was presented by the Secretary, Andreas Kappos where he summarized the developments in the Working Groups; he emphasised the fact the recent changes made in WG convenors have generally been in the right direction and all WGs are now, more or less, active (Annex 7).
- Item 10:** The Committee exchanged suggestions concerning the formation of the next Executive Committee, since some of its members will be retiring. It was suggested to propose Mauro Dolce, Carlos Sousa Oliveira, Alain Pecker, Zygmunt Lubkowski, Christoph Butenweg, Matej Fischinger, and Mohamed Belazougui as the candidates for the EAEE Executive Committee to be elected in the EAEE General Assembly.
- Item 11:** The meeting ended with thanks to all participants.

MINUTES OF THE EXECUTIVE COMMITTEE MEETING

Annex 1. Detailed Session Program

TUESDAY 26 AUGUST 2014										
9:00-9:45	Anadolu Auditorium: The First Prof. Inge Lehmann Distinguished Award Lecture: SHAMITA DAS: <i>Supershear earthquake rupture speed</i>									
9:45-10:00	15 minutes break									
10:00-10:45	Anadolu Auditorium: EAEE KEYNOTE LECTURE: PAOLO E. PINTO: <i>Existing buildings: the new Italian provisions for a probabilistic seismic performance assessment</i>									
10:45-11:30	Anadolu Auditorium: ESC KEYNOTE LECTURE ADRIEN OTH: <i>The earthquake source scaling debate: advances, challenges and where we stand today</i>									
11:30-12:30	POSTER SESSION & COFFEE BREAK									
12:30-13:30 ORAL SESSIONS	EAEE Session Rumeli-1	EAEE Session Rumeli-2	EAEE Session Rumeli-3	EAEE Session Rumeli-4	EAEE Session Rumeli-5	EAEE Session Rumeli-6	EAEE Session Rumeli-7	ESC Session Dolmabahçe-A	ESC Session Dolmabahçe-B	ESC Session Dolmabahçe-C
	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)
13:30-14:30	LUNCH BREAK					EMSC Executive Council; Room: Sultan - 1				
14:30-15:00 THEME LECTURES	EAEE Session Rumeli-1	EAEE Session Rumeli-2	EAEE Session Rumeli-3	EAEE Session Rumeli-4	ESC Session Rumeli-5	EAEE Session Rumeli-6	EAEE Session Rumeli-7	ESC Session Dolmabahçe-A	ESC Session Dolmabahçe-B	Special Session Dolmabahçe-C
	Carlos Sousa Oliveira Earthquake Risk Reduction: from scenario simulators including systemic interdependency to impact indicators	M. Nury Aydınolu Developments in Seismic Design of Tall Buildings	Kemal Önder Çetin 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.	Dins D'Ayala 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 Lunedei 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)	EMS-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)
16:00-17:00	POSTER SESSION & COFFEE BREAK					16:00-17:00 EAEE WG11 MEETING; Room: Sultan - 1				
17:00-18:30 ORAL SESSIONS	Special Session Rumeli-1	Special Session Rumeli-2	Special Session Rumeli-3	Special Session Rumeli-4	Special Session Rumeli-5	Special Session Rumeli-6	Special Session Rumeli-7	ESC Session Dolmabahçe-A	Special Session Dolmabahçe-B	Special Session Dolmabahçe-C
	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)
18:30-20:00	EMSC General Assembly; Room: Dolmabahçe - A									
19:30-22:30	EAEE ASSOCIATION COUNCIL: SWISS HOTEL LIVING; Room: MIMOZO HALL									



MINUTES OF THE EXECUTIVE COMMITTEE MEETING

WEDNESDAY 27 AUGUST 2014										
9:00-9:45	Anadolu Auditorium: JOINT KEYNOTE LECTURE: MAURO DOLCE: <i>Civil Protection Critical Issues in Seismology and Earthquake Engineering Research</i>									
9:45-10:00	15 minutes break									
10:00-10:45	Anadolu Auditorium: EAAE KEYNOTE LECTURE: KYRIAZIS PITILAKIS: <i>Earthquake risk assessment: Certitudes, fallacies, uncertainties and the quest for soundness</i>									
10:45-11:30	Anadolu Auditorium: ESC KEYNOTE LECTURE: MARCO MUCCIARELLI: <i>The role of site effects at the boundary between seismology and engineering: lessons from recent earthquakes</i>									
11:30-12:30	POSTER SESSION & COFFEE BREAK									
12:30-13:30 ORAL SESSIONS	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	ESC Session	ESC - SSA Session	ESC Session	ESC Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	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)	Regional hazard and risk assessment: New Insights on Vrancea Intermediate-Depth Seismic Source	Rapid estimation of earthquake source and ground shaking parameters for real-time monitoring (1)	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
13:30-14:30	LUNCH BREAK					BEE EDITORIAL BOARD MEETINGI; Room: Sultan - 2				
14:30-15:00 THEME LECTURES	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	ESC Session	Special Session	ESC Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	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 Pampanin Towards the "ultimate earthquake-proof" building: development of an integrated low-damage system	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	Norman Abrahamson Recent Advances in Probabilistic Seismic Hazard Assessment Practice	Toprild van Eck ORFEUS: making seismic waveform data available: from 1987 to EPOS
15:00-16:00 ORAL SESSIONS	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	Recent Advances in Probabilistic Seismic Hazard Assessment Practice (1)	Studying Seismic Sources: Theory, Methods and Applications (1)
16:00-17:00	POSTER SESSION & COFFEE BREAK					16:00- 19:00 EAAE WG10 MEETINGI; Room: Sultan - 1				
17:00-18:30 ORAL SESSIONS	Special Session	Special Session	Special Session	Special Session	Special Session	Special Session	Special Session	Special Session	Special Session	ESC Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	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 (4)
19:30-22:30	GALA DINNER									

MINUTES OF THE EXECUTIVE COMMITTEE MEETING

THURSDAY 28 AUGUST 2014										
9:00-9:45	Anadolu Auditorium: JOINT KEYNOTE LECTURE: DINO BINDI: <i>From building monitoring to real-time damage forecasting and assessment</i>									
9:45-10:00	15 minutes break									
10:00-10:45	Anadolu Auditorium: EAAE KEYNOTE LECTURE: COLIN TAYLOR: <i>A process view of infrastructure system interdependency and resilience</i>									
10:45-11:30	Anadolu Auditorium: ESC KEYNOTE LECTURE: MICHEL CAMPILLO: <i>Application of ambient noise analysis in Seismology at regional and global scales</i>									
11:30-12:30	POSTER SESSION & COFFEE BREAK									
12:30-13:30 ORAL SESSIONS	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	ESC Session	ESC Session	ESC Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	Earthquake Scenarios, Vulnerability and Loss Assessment Studies (6)	Performance-Based Seismic Assessment and Design (6)	Geotechnical Earthquake Engineering (4)	Seismic Analysis and Design of Bridges (1)	Seismic Analysis and Design of Active and Passive Structural Control Systems (1)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (10)	Rapid estimation of earthquake source and ground shaking parameters for real-time monitoring (2)	Interdisciplinary approach to Earthquake Forecast/Prediction: Advances in observations and operational testing (1)	Just In Time: real-time Risk for Early Warning, operational forecasting and Rapid Response	Studying Seismic Sources: Theory, Methods and Applications (2)
13:30-14:30	LUNCH BREAK									
14:30-15:00 THEME LECTURES	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	ESC Session	ESC Session	Special Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	Michael Fardis From the performance- and displacement-based assessment of existing buildings in EC8 to the design of new concrete structures per fib MC2010	Katrin Beyer Towards performance-based design of modern unreinforced masonry structures	George Mylonakis The Role of Pile Diameter on Earthquake-Induced Bending	Andreas Kappos Performance-based seismic design and assessment of bridges	Alessandro Martelli Recent development and application of seismic isolation and energy dissipation and conditions for their correct use	Selçuk Toprak Seismic Response of Underground Lifeline Systems	Elizabeth Vintzeleou Testing of historic masonry structural elements and/or building models	Ina Cecic 14 April 1895 Ljubljana earthquake: a cross border study	Gheorghe Marmureanu Bridging the Gap between Nonlinear Seismology as Reality and Earthquake Engineering	Kuvvet Atakan On the origin of mega-thrust earthquakes
15:00-16:00 ORAL SESSIONS	Performance-Based Seismic Assessment and Design (7)	Performance-Based Seismic Assessment and Design (8)	Seismic Analysis and Design of Foundation Systems / Soil-Structure Interaction (2)	Seismic Analysis and Design of Bridges (2)	Seismic Analysis and Design of Active and Passive Structural Control Systems (2)	Seismic Analysis and Design of Underground Structures	Seismic Performance of Historical Monuments and Structures (3)	Interdisciplinary approach to Earthquake Forecast/Prediction: Advances in observations and operational testing (2)	Nonlinear Seismology and the implications on Engineering Seismology and Earthquake Engineering & Palaeoseismology	Studying Seismic Sources: Theory, Methods and Applications - (3)
16:00-17:00	POSTER SESSION & COFFEE BREAK									
17:00-18:30 ORAL SESSIONS	EAAE Session	Special Session	EAAE Session	Special Session	EAAE Session	EAAE Session	Special Session	Special Session	Special Session	Special Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	Earthquake Scenarios, Vulnerability and Loss Assessment Studies (7)	UPStrat-MAFA European Project: Developments and achievements (2)	Seismic Analysis and Design of Foundation Systems / Soil-Structure Interaction (3)	Current trends in seismic assessment and strengthening of bridges	Seismic Analysis and Design of Active and Passive Structural Control Systems (3)	Seismic Analysis and/or Testing of Structural Elements and/or Systems (11)	Recent advances for improving seismic behaviour of reinforced concrete walls (2)	GEM and the OpenQuake-platform	Recent Advances in Probabilistic Seismic Hazard Assessment Practice (2)	Energy-Based Design For Seismic Resistance
19:30-22:30	18:30-19:30 ESC COUNCIL; Room: Dolmabahçe - B					19:30-20:30 EAAE GENERAL ASSEMBLY; Room: Dolmabahçe - C				



MINUTES OF THE EXECUTIVE COMMITTEE MEETING

FRIDAY 29 AUGUST 2014										
9:00-9:45	Anadolu Auditorium: JOINT KEYNOTE LECTURE: MUSTAFA ERDIK: <i>Rapid Post-Earthquake Loss Assessment</i>									
9:45-10:00	15 minutes break									
10:00-10:45	Anadolu Auditorium: EAEE KEYNOTE LECTURE: MATEJ FISCHINGER: <i>Seismic response of precast industrial buildings</i>									
10:45-11:30	Anadolu Auditorium: ESC KEYNOTE LECTURE: PETER J. STAFFORD: <i>Variability and Uncertainty in Empirical Ground-motion Prediction for Probabilistic Hazard and Risk Analyses</i>									
11:30-12:30	POSTER SESSION & COFFEE BREAK									
12:30-13:30 ORAL SESSIONS	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	ESC Session	ESC Session	ESC Session	ESC - EAAE Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	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
13:30-14:30	LUNCH BREAK									
14:30-16:00 ORAL SESSIONS	Special Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	EAAE Session	Special Session	ESC Session	ESC Session	EAAE Session
	Rumeli-1	Rumeli-2	Rumeli-3	Rumeli-4	Rumeli-5	Rumeli-6	Rumeli-7	Dolmabahçe-A	Dolmabahçe-B	Dolmabahçe-C
	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
16:15-16:45	Anadolu Auditorium: ESC CLOSING PLENARY									
16:45-17:30	Anadolu Auditorium: CLOSING CEREMONY									

**Annex 2. Number of sessions, abstracts, oral and poster presentations for EAEE, ESC and Special Sessions**

	<b>EAAE SESSIONS</b>	<b>number of session</b>	<b>number of abstracts</b>	<b>number of papers</b>	<b>ORAL</b>	<b>POSTER</b>	<b>TOTAL</b>
1	Acquisition and Analysis of Strong Motion Data	0	25	13	2	11	13
2	Earthquake Risk Mitigation Policies and Methodologies	2	40	25	6	19	25
3	Earthquake Scenarios, Vulnerability and Loss Assessment Studies	7	117	80	39	41	80
4	Engineering Seismology and Seismic Hazard Assessment	4	104	52	21	29	50
5	Geotechnical Earthquake Engineering	4	102	66	20	47	67
6	Lessons from Recent Earthquakes	1	31	17	7	13	20
7	Microzonation and Site Effects	2	51	32	10	22	32
8	Performance-Based Seismic Assessment and Design	10	177	103	52	54	106
9	Seismic Analysis and Design of Active and Passive Structural Control Systems	3	81	54	19	34	53
10	Seismic Analysis and Design of Bridges	3	47	28	9	19	28
11	Seismic Analysis and Design of Foundation Systems / Soil-Structure Interaction	3	64	36	17	19	36
12	Seismic Analysis and Design of Marine Structures	0	7	2	1	1	2
13	Seismic Analysis and Design of Tall Buildings	1	37	21	5	14	19
14	Seismic Analysis and Design of Transportation and Lifeline Systems	1	19	15	5	7	12
15	Seismic Analysis and Design of Underground Structures	1	20	9	5	4	9
16	Seismic Analysis and/or Testing of Structural Elements and/or Systems	15	254	169	76	91	167
17	Seismic Design Code Developments and Related Issues	5	79	45	25	19	44
18	Seismic Performance of Historical Monuments and Structures	3	39	26	15	11	26
19	Seismicity of the European-Mediterranean Area	1	26	5	7	14	21
	<b>TOTAL=</b>	<b>66</b>	<b>1320</b>	<b>798</b>	<b>341</b>	<b>469</b>	<b>810</b>

	<b>ESC SESSIONS</b>	<b>number of session</b>	<b>number of abstracts</b>	<b>number of papers</b>	<b>ORAL</b>	<b>POSTER</b>	<b>TOTAL</b>
1	Communication and education: making seismology accessible to society	1	14	2	4	10	14
2	Complexity of earthquake physics, rupture processes, and the scientific prediction	4	47	6	19	28	47
3	Cross border harmonized seismic hazard and risk assessment: results, lessons learned and f	3	21	1	15	6	21
4	Earthquake swarms and associated processes	2	32	2	10	2	12
5	Earthquakes of the past: present knowledge and future perspectives	3	28	3	14	15	29
6	EMS-98 in macroseismic field surveys	0.5	6	0	2	3	5
7	Geodynamics of Eurasia: GPS/InSAR-constraints and relation to seismicity	1	15	0	5	8	13
8	Improving seismic networks performances: from site selection to data integration	1	20	2	4	14	18
9	Incorporating Synthetic Ground Motion Data into Empirical GMPEs	1	11	1	5	6	11
10	Induced Seismicity	2	23	4	9	11	20
11	Interdisciplinary approach to Earthquake Forecast/Prediction: Advances in observations and operational testing	2	28	10	12	17	29
12	Internet, smartphones and social networks: How do they change seismology?	0.5	5	1	3	2	5
13	Just In Time: real-time Risk for Early Warning, operational forecasting and Rapid Response	1	10	2	6	4	10
14	Methods and data for the study of earthquakes recorded on pre-WWSSN historical seismograms	1	8	1	4	4	8
15	Multi-scale passive seismic imaging and monitoring	1	30	5	8	22	30
16	Nonlinear Seismology and the implications on Engineering Seismology and Earthquake Engineering		7	4	2	4	6
17	Palaeoseismology	1	7	0	4	3	7
18	Rapid estimation of earthquake source and ground shaking parameters for real-time monitoring	2	18	0	10	8	18
19	Regional hazard and risk assessment: New Insights on Vrancea Intermediate-Depth Seismic Source	1	8	0	5	3	8
20	Seismological and Structural Studies in the Polar Regions	1	18	2	8	9	17
21	Share your data with the community: Data models, metadata and services in seismology	1	11	0	5	5	10
22	Studying Seismic Sources: Theory, Methods and Applications	4	57	10	20	29	49
23	Working together Enhancing engagement between researchers and practitioners for risk mitigation (ESC-EAEE Session)	1	8	2	4	4	8
	<b>TOTAL=</b>	<b>35</b>	<b>432</b>	<b>58</b>	<b>178</b>	<b>217</b>	<b>395</b>



MINUTES OF THE EXECUTIVE COMMITTEE MEETING

	<b>SPECIAL SESSIONS</b>	<b>number of session</b>	<b>number of abstracts</b>	<b>number of papers</b>	<b>ORAL</b>	<b>POSTER</b>	<b>TOTAL</b>
1	Accelerometric data, networks and their significance in engineering and seismological studies in and around Europe	1	20	11	10	10	20
2	Ambient Noise for soil and building studies	2	33	6	13	19	32
3	Assessment and New Strategies for Tsunami Mitigation	1	13	2	6	7	13
4	Case studies of methodology development for real time mitigation of seismic risk to industries and strategic facilities	1	13	5	5	8	13
5	Cat Management and Earthquake Insurance	1	1		4	1	5
6	Challenges in multi-scale exposure and vulnerability modelling	1	7	1	5	2	7
7	Communication of risk and uncertainty to the general public	1	2		1	1	2
8	Current trends in seismic assessment and strengthening of bridges	1	11	7	7	4	11
9	Earthquake early warning/rapid response coupled to real-time risk assessment	1	4		4	0	4
10	Earthquake issues associated with long- span bridges	1	8		8	0	8
11	Earthquake Retrofitting of School Buildings	1	5	1	5		5
12	EMME (Earthquake Model of Middle East: From Seismic Hazard to Seismic Risk)	2	15	1	12	4	16
13	Energy-Based Design For Seismic Resistance	1	8	2	7	3	10
14	European Services for Seismology in the context of the European Plate Observing System (EPOS)	1	5		5	0	5
15	Field and laboratory testing to improve the seismic vulnerability assessment	2	14	5	11	3	14
16	Future directions for Eurocode 8	1	11		10	1	11
17	GEM and the OpenQuake-platform	1			8		
18	NERA (Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation) EU FP7 Project Developments	2	18		10	8	18
19	Recent advances for improving seismic behaviour of reinforced concrete walls	2	15	14	13	2	15
20	Recent Advances in Probabilistic Seismic Hazard Assessment Practice	2	13	1	8	5	13
21	Research, Data, and Developments on Near-Real Time Earthquake Loss Estimation Systems		1			1	1
22	Risk evaluation of industrial plants in seismic prone-areas	1	7	5	7	0	7
23	SAFECLADDING: Improved Fastening Systems of Cladding Wall Panels of Precast Buildings in Seismic Zones	1	14	4	8	6	14
24	Seismic Assessment of Lifelines	1	8	2	6	2	8
25	Seismic Design of Timber buildings	1	3	3	3		3
26	Seismic rehabilitation and retrofit of structures	2	20	13	13	6	19
27	State-of-the-Art in Estimating Earthquake Risk	1	7	2	6	1	7
28	Systemic Seismic Vulnerability and Risk Analysis for Buildings, Lifeline Networks and Infrastructures Safety Gain: Methodology and Applications to Selected Case Studies in Europe	1	13	2	13		13
29	UPStrat-MAFA European Project: Developments and achievements	2	29	2	13	16	29
30	Urban Earthquake Hazards: the structural and non-structural dimensions of resilience	1	4	1	3	1	4
31	Urban Strong-motion Arrays: New Advances and Applications	1	5	1	5	0	5
	<b>TOTAL=</b>	<b>38</b>	<b>327</b>	<b>91</b>	<b>229</b>	<b>111</b>	<b>332</b>

In total during the whole conference there were:

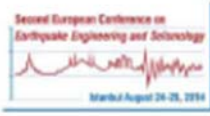
<b>number of sessions</b>	<b>number of abstracts</b>	<b>number of papers</b>	<b>ORAL</b>	<b>POSTER</b>	<b>TOTAL</b>
139	2079	947	748	797	1537

## MINUTES OF THE EXECUTIVE COMMITTEE MEETING

### Annex 3A. Participant list for the Young Seismologists and Engineers Training Course

N	Name	affiliation	e-mail	born	abstracts
1	Fragkiskos Pentaris	PhD candidate (last year) and my research is strongly related with the Training course topic	Fragkiskos.Pentaris@brunel.ac.uk	27/04/1981	2456: Ambient noise measurements on buildings
2	Korkut Kaynardag	BU first year of my graduate studies as a research assistant.	korkut.kaynardag@boun.edu.tr	23	1667: STRUCTURAL HEALTH MONITORING OF A TALL BUILDING
3	Joana Carvalho	working on a project called SIGMA - at Dom Luiz Institute (Lisbon).	j.filipa.carvalho@gmail.com	02/04/1987	2936: Characterization of Cascais County Surface Formations using Microtremor Measurements
4	Enrico Paolucci	Ph.D. course in applied geophysics at the University of Siena	enicopaolucci83@gmail.com	31	2852: A large scale ambient vibration survey in the area damaged by May-June 2012 seismic sequence in Emilia Romagna, Italy
5	Claire Labonne	Ph.D. student in seismology at CEA	claire.labonne@cea.fr	28/09/1988	2446: Analysis of the seismic coda in Kazakhstan by array processing
6	Abdelghani LAIB	Research associate, National Earthquake Engineering Research Centre, Algiers	ab_laib@yahoo.fr	02/04/1982	1322 : EXPECTED GROUND-RC BUILDINGS RESONANCE PHENOMENA IN THE COMMUNE OF KHARROUBA (BOUMERDES)
7	Amir Ali Hamed	PhD Student of Geophysics-Seismology, University of Tehran, Institute of Geophysics, Department of earth Physics, Seismological Section	amiralihamed@ut.ac.ir	13/07/1986	2612: INNOVATIVE SEISMIC PHASE DETECTION THROUGH HILBERT-HUANG TRANSFORM
8	Çağlar ÖZER	PhD student in the seismology field of Geophysics program, Dokuz Eylul University	caglar.ozler@deu.edu.tr	25.11.1988	1395: Spectral Studies Of Earthquakes In Izmir) and Number 1386 (Comparison Of Peak Ground Acceleration And Velocity
9	Catarina Matos	M.Sc. research trainee, at the Seismology and Earth Tomography Research Group of Instituto Dom Luiz (University of Lisbon, Portugal)	cpmatos@fc.ul.pt	09/05/1985	2985: Upper crustal structure of Madeira Island revealed from cross correlation of ambient seismic noise ; 2989: Earthquake and Tsunami risk: An education and outreach account from Portugal; 2988: An improved image of the seismicity of Portugal: first results; 3101: Building an improved database for Seismology in Portugal: Data collection and quality control
10	Elena Manea	Young Researcher Assistant, National Institute of Earth Physics	flory.manea88@gmail.com	05/12/1988	820 Bridging the Gap between Nonlinear Seismology as Reality and Earthquake Engineering, 792, Abstract Title : Seismic risk analysis for extra-Carpathian area of Romania, considering Vrancea intermediate-depth source
11	Iva Dasović	Research and teaching assistant (Ph.D. student), University of Zagreb	dasovici@gfz.hr	29	695: Attenuation of body and coda waves in the central Dinarides.
12	Ibtissam Khoudi	doctoral student at the University of Tizi-Ouzou Algeria.	ibtissamkh87@live.fr	31/12/1987	1306 ESTIMATE OF THE TOTAL OF THE VOLUMETRIC STRAIN AMPLITUDE BY SOIL PARAMETERS OF STRONG-MOTION
13	Georgios Bozionelos	PhD student of seismology,	gbozionelos@geol.uoa.gr	25/07/1983.	3085: Velocity Structure Of The Upper Crust Of West Corinth Gulf from P and S Arrival Times Using 3d Raytracing
14	Hossein Pezeshki	Ph.D. Student, International Institute of Earthquake Engineering and Seismology, IIEES	h.pezeshki@iiees.ac.ir	17/09/1985	Determination of Deep Shear Waves Velocity Structure Using Combination of Dispersion Curves from Cross-Correlation and Array of Ambient Noises" (Code No.465).
15	Hüseyin Çolak	Research Assistant, Department of Civil Engineering, Bogazici University	huseyin.colak@boun.edu.tr	27/1/1990	1724 VIBRATION-BASED DAMAGE DETECTION OF BRIDGES UNDER INCOHERENT INPUT MOTIONS
16	Athanasios Papadopoulos	Graduate Student, National Technical University, Athens, Greece	[th.papadopoulos@outlook.com]	15/09/1989	170 : STRUCTURAL ASSESSMENT OF A 3-STORY RESIDENTIAL BUILDING FOR SEISMIC LOADS
17	Martin Bachura	PhD. student of Applied Geology (specialization Geophysics - Seismology)	martin.bachura@natur.cuni.cz	12.9.1987	3146: Seismic attenuation in West Bohemia earthquake swarm region obtained by coda waves analysis
18	Mohsen Fazlavi	PhD. candidate of International Institute of Earthquake Engineering and Seismology, IIEES	m.fazlavi@gmail.com	05/06/1905	Determination of Deep Shear Velocity Structure using Combination of Dispersion Curves from Cross-correlation and array of ambient noise recording " with Number 465
19	Maria Mesimeri	Phd Candidate in Seismology at the Department of Geophysics at the Aristotle University of Thessaloniki	mmesimer@geo.auth.gr	11.5.1985	987 Title: Spatio-temporal properties of the 2013 Aigio earthquake swarm (Corinth Gulf, Greece)
20	Mostafa Eltoni	PhD, Applied Geophysics & Seismology	ms_eltony@yahoo.com	7.8.1979	2899 Title: LOCAL SITE CHARACTERIZATION FOR THE TOURIST AREA OF TEL EL- AMARNA, MIDDLE EGYPT
21	Sagynbek Orunbaev	Scientific researcher in Central Asian Institute of Applied Geosciences (CAIAG), Bishkek, Kyrgyzstan	s.orunbaev@caiag.kg	11/07/1979	2794: Site effect assessment in Naryn (Kyrgyzstan) using earthquake and noise data
22	Vyacheslav Yegupov,	of Geology and Minerals, Russia, Krasnoyarsk;	slava.yegupov@gmail.com	19/05/1982	№692 and the subject is "SEISMIC MONITORING OF THE SOUTHWESTERN AREAS OF THE UKRAINE AND ADJACENT AREAS
23	Oleg Fesenko	Ph.D. State Research Institute of Building Constructions (NIISK), Kyiv, Ukraine	v.senatorov@ndibk.gov.ua	29	<b>1127: FIRE RESISTANCE OF WALL PANEL SUBJECTED TO SEISMIC LOADING</b>
24	DROUNA karima	Assistant professor, University of jijel, Laboratory LMDC Constantine	drouna_karima@yahoo.fr	13/11/1983	684 Seismic performances of existing buildings strengthened By reinforced concrete jacketing.
25	Dimitrios Zimos	PhD student, City University London, Department of Civil Engineering	Dimitrios.Zimos.1@city.ac.uk	08/04/1989	505; Assessment of the Seismic Performance of a Seismically Isolated Bridge

**Annex 3B: Young Scientists and Engineers Training Course Program Booklet**



Young Seismologists and Engineers Training Course  
20-23 August 2014  
ITU Guesthouse, Istanbul-TURKEY



**SECOND EUROPEAN CONFERENCE on EARTHQUAKE  
ENGINEERING and SEISMOLOGY (2ECEES)**

**PROGRAMME**



**Young Seismologists and Engineers Training Course  
(YSETC)**





Young Seismologists and Engineers Training Course  
20-23 August 2014  
ITU Guesthouse, Istanbul-TURKEY



### 19 August 2014 (Tuesday)

Arrival to ITU Guesthouse, Macka-Istanbul

### 20 August 2014 (Wednesday)

09:00 - 09:15

Atila ANSAL (Ozyegin University, Istanbul-Turkey, Co-Chairman of the 2ECEES)

Welcome speech: Brief introduction for YSETC and 2ECEES

09:15 - 10:30

Mustafa AKTAR (Bogazici University, Istanbul-Turkey)

Significance of seismotectonics for seismic hazard assessment

10:30 - 11:00

Coffee Break

11:00 - 12:30

Erdal SAFAK (Bogazici University, Istanbul-Turkey)

Earthquake and ambient vibration monitoring of the building

12:30 - 14:00

Lunch

14:00 - 15:30

Erdal SAFAK (Bogazici University, Istanbul-Turkey)

Measurements of the ambient noise for determination of building properties

15:30 - 16:00

Coffee Break

16:00 - 17:30

Stefano PAROLAI (GFZ Potsdam, Germany)

Use of microtremor recordings

17:30 - 19:30

Scientific Presentation-I from 9 students (~15 min for each)

( A.Lalb, A.A.Hamed, A.Papadopoulos, C.Matos, C.Labonne, C.Ozer, D.Zimos, D.Karima and E.Manea )

19:30 - 21:00

Dinner

### 21 August 2014 (Thursday)

09:00 - 10:30

Argun KOCAOGLU (Istanbul Technical University, Turkey)

A review of surface-wave methods in engineering seismology

10:30 - 11:00

Coffee Break







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11:00 - 12:30

Didem CAMBAZ (Bogazici University, Istanbul-Turkey)  
Surface Wave Tomography of Turkey and Surroundings from Ambient Seismic Noise Correlation

12:30 - 14:00

Lunch

14:00 - 15:30

Stefano PAROLAI (GFZ Potsdam, Germany)  
Array techniques for estimating site effects

15:30 - 16:00

Coffee Break

16:00 - 17:30

Orhan POLAT (Dokuz Eylul University, Izmir-Turkey)  
Ambient noise measurements: Results from Izmir Metropolitan areas, Turkey

17:30 - 19:30

Scientific Presentation-II from 8 students (~15 min for each)  
(E.Paolucci, F.Pentaris, G.Bozionelos, H.Pezeshki, H.Colak, I.Khoudi, I.Dasovic and J.Carvalho )

19:30 - 21:00

Dinner

#### 22 August 2014 (Friday)

09:00 - 10:30

Marco MUCCIARELLI (University of Basilicata, DISGG, Potenza-Italy)  
Seismic safety by combining ambient noise data obtained from soil and building

10:30 - 11:00

Coffee Break

11:00 - 12:30

Marco MUCCIARELLI (University of Basilicata, DISGG, Potenza-Italy)  
Applications of HVSR technique to buildings

12:30 - 14:00

Lunch

14:00 - 15:30

Pierre-Yves BARD (LGIT, Maison des Geosciences, Grenoble-France)  
Estimation of site effects: numerical and empirical approaches

15:30 - 16:00

Coffee Break

16:00 - 17:30

Pierre-Yves BARD (LGIT, Maison des Geosciences, Grenoble-France)  
Instrumental microzonation





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17:30 - 19:30

Scientific Presentation-III from 8 students (~15 min for each)

(K.Kaynardag, M.Mesimeri, M.Bachura, M.Fazlavi, M.Eltoni, O.Fesenko, S.Orunbaev and V.Yegupov )

19:30 - 21:00

Dinner

### 23 August 2014 (Saturday)

09:00 - 10:30

Cultural Presentation-I from 13 students (~10 min for each)

( A.Lalb, A.A.Hamed, A.Papadopoulos, C.Matos, C.Labonne, C.Ozer, Dimitrios Zimos, D.Karlma, E.Manea, E.Paolucci, F.Pentaris, G.Bozionelos and H.Pezeshki )

10:30 - 11:00

Coffee Break

11:00 - 12:30

Cultural Presentation-II from 12 students (~10 min for each)

( H.Colak, I.Khoudi, I.Dasovic, J.Carvalho, K.Kaynardag, M.Mesimeri, M.Bachura, M.Fazlavi, M.Eltoni, O.Fesenko, S.Orunbaev and V.Yegupov )

12:30 - 13:30

Presentation of Lecturer certificates

13:30 - 14:30

Lunch

14:30 - Free time

MINUTES OF THE EXECUTIVE COMMITTEE MEETING

Time/Day	20 August 2014	21 August 2014	22 August 2014	23 August 2014
09:00-9:15	A.ANSAL	ARGUN KOCAOGLU	MARCO MUCCIARELLI	Cultural Presentation-I from 13 students
9:15-10:30	M.AKTAR			
10:30-11:00	Coffee Break			
11:00-12:30	ERDAL SAFAK	DIDEM CAMBAZ	MARCO MUCCIARELLI	Cultural Presentation-II from 12 students
12:30-13:30	Lunch			Presentation of Lecturer certificates
12:30-14:00				Lunch (13:30 - 14:30)
14:00-15:30	ERDAL SAFAK	STEFANO PAROLAI	PIERRE-YVES BARD	Free Time
15:30-16:00	Coffee Break			
16:00-17:30	STEFANO PAROLAI	ORHAN POLAT	PIERRE-YVES BARD	
17:30-19:30	Scientific Presentation-I from 9 students	Scientific Presentation-II from 8 students	Scientific Presentation-III from 8 students	
19:30-21:00	Dinner			

Annex 4 EAEE Budget for 2010-2014

Table 1. Balance Totals for the years of 2010-2014

<b>PERIOD</b>	<b>INCOMES (EURO)</b>		<b>EXPENDITURES (EURO)</b>		<b>BALANCE</b>
1.1-31.12.2011	31.12.2010 Transferred Cash	8511.93	Springer	1700.00	
	Fee Income for the year of 2011	6269.17	Travel Expenditures	-	
	ECEE - EAEE Contribution	2388.00	General administration expenditures	1509.75	
			Bank Charges	346.26	
	<b>TOTAL</b>	<b>17169.10</b>	<b>TOTAL</b>	<b>3556.01</b>	<b>€ 13,613.09</b>
1.1-31.12.2012	31.12.2011 Transferred Cash	13613.09	Springer	2381.00	
	Fee Income for the year of 2012	8330.45	Travel Expenditures	1385.88	
			General administration expenditures	1535.15	
			Bank Charges	103.95	
	<b>TOTAL</b>	<b>21943.54</b>	<b>TOTAL</b>	<b>5405.98</b>	<b>€ 16,537.56</b>
1.1-31.12.2013	31.12.2012 Transferred Cash	16537.56	Springer	-	
	Fee Income for the year of 2013	8903.51	Travel Expenditures	-	
			General administration expenditures	504.08	
			Bank Charges	234.71	
	<b>TOTAL</b>	<b>25441.07</b>	<b>TOTAL</b>	<b>738.79</b>	<b>€ 24,702.28</b>
1.1-26.08.2014	31.12.2013 Transferred Cash	24702.28	Springer	4157.00	
	Fee Income for the year of 2014	10753.65	Travel Expenditures	-	
			General administration expenditures	674.05	
			Bank Charges	364.55	
	<b>TOTAL</b>	<b>35455.93</b>	<b>TOTAL</b>	<b>5195.60</b>	<b>€ 30,260.33</b>

<b>Bank Balance for August 20, 2014</b>	<b>€ 30,260.33</b>
<b>Springer Debt (Hardcopy+Electronic 2014)</b>	<b>€ 3,866.00</b>
<b>Total Balance for August 20, 2014</b>	<b>€ 26,374.33</b>



**Annex 5. The agenda of the Association Council**

Meeting of the EAEE Association Council

National Delegates and Executive Committee Members

Tuesday August 26, 2014; 19:30-22:00

Swiss Hotel Living Building, Mimoza Hall

AGENDA:

1. *Approval of the Agenda*
2. *Summary about 2ECEES*
3. *Presentations by Delegates proposing to organize the 16th ECEE in 2018*
4. *Balloting to select the location of the 16th ECEE in 2018*
5. *Recommendations for the EAEE General Assembly*
6. *Election of Council Candidates for Executive Committee*
7. *Miscellaneous*

**Annex 6. The agenda of the General Assembly**

EAAE General Assembly

Delegates of National and Corporate Members and Individual Members

Thursday August 28, 2014; 19:30-20:30

Conference Center in the room Dolmabahçe-C

Proposed Draft Agenda:

1. Welcome - Approval of the Agenda
2. Election of Chair, Vice-Chair, and Secretary for the GA
3. President's Report for 2010-2014
4. Report of Conference Organization
5. Report of the Central Office Activities for 2010-2014
6. Audit Committee Report
7. Elections of the Executive Committee
8. Elections of the Audit Committee
9. Election of Honorary Members
10. Miscellaneous
11. Closure

## Annex 7

### Report of the Secretary of the Executive Committee on the EAEE Working Group Activities

#### 1. Current state of individual groups

##### WG1 - Future directions for Eurocode 8

**Coordinator: Edmund Booth**

The WG was established in September 2013. Its objective is to propose ways in which EC8's development should proceed, accounting for a longer timescale than that dictated by the current CEN revision of the Eurocode suite. It will limit itself to proposing broad objectives for EC8 to achieve by 2025; detailed code drafting is beyond its scope.

The current membership is:

Edmund Booth (convenor)	Consultant, UK
Michael Fardis	University of Patras, Greece
Peter Fajfar	University of Ljubljana, Slovenia
Alain Pecker	Geodynamique et Structure, France
Eduardo Carvalho	Gapres, Portugal
Roberto Paolucci	Politecnico di Milano
Timothy Sullivan	University of Pavia, Italy
Helen Crowley	University of Pavia, Italy
Gaetano Manfredi	University of Naples, Italy
Suikai Lu	Consulting Engineer, Austria
Marco Di Ludovico	University of Naples, Italy
Katrin Beyer	EPFL, Switzerland
Damian Grant	Arup, UK
Hervé Degée	University of Liege, Belgium

The WG held its first meeting at the JRC, Ispra on 27<sup>th</sup> November 2013. Activities report submitted in April 2014; no WG website.

It is organising a special session at 2ECEES, Istanbul in August 2014, titled 'Future directions for Eurocode 8' (on 25-8-14) with a total of 10 presentations.

##### WG2 – Strong Motion Records for Engineering Applications

**Coordinators: Sinan Akkar, Nikos Theodulidis**

The activities of the WG were discussed by S. Akkar and N. Theodulidis in a meeting in May on the occasion of a strong-motion workshop; report not received yet. The following activities were agreed based on email exchanges:

1. Collaboration with Orfeus - Working Group 5 that is responsible of integrating accelerometric data in the greater Europe region
2. Preparations for a webpage under EAEE for informing European engineers and researchers about the recent projects, initiatives and tools on accelerometric data.

Membership list not available yet; no WG website.

##### WG3 – Earthquake Hazard, Earthquake Risk and Earthquake Scenarios

**Coordinators: Mauro Dolce, Mario Lopez**

M. Lopez recently joined the WG as co-coordinator in 2014 and sent detailed report in April 2014.

Proposed activities relate to seismic risk mitigation policies, strategies and implementation. Specific topics are:

- Gather studies on the evaluation of seismic risk.
- Characterize the policies of the Member States in what regards seismic risk reduction
- Concrete action proposals to reduce seismic risk
- Promote lobbying activity in the EU Member States and in Brussels to try to put forward the proposals to EU institutions and Governments of other countries
- Operational issues
  1. First set up a group of delegates of WG3 in as many EU Member states as possible
  2. WG3 should work closely with the Executive Committee of EAEE, as it will act on behalf of EAEE and the main decisions and actions

During its April 2014 meeting the Exec. Committee suggested that the scope of activities would better be focussed on a fewer issues, particularly those not falling within the scope of other WGs or the ExecCom itself. Membership list not available yet; no WG website.

### **WG5 – Seismic Isolation of Structures**

**Coordinators: Michail Garevski and Mauro Dolce**

New coordinator appointed September 2013. During its April 2014 meeting the Exec. Committee appointed M. Dolce as joint coordinator of the WG.

In Aug. 2014 a first report was received by M Garevski with a provisional list of topics, and some first comments on this were recently received by M Dolce. It is clear that the final action plan of the WG for 2014-2018 will have to focus on a selected (short) list of topics with a view to producing some outcome (e.g. state-of-the-art report or guidance document) on these.

No membership list yet, no WG website.

### **WG6 – Geotechnical Earthquake Engineering**

**Coordinators: Kyriazis Pitilakis and Francesco Silvestri**

Focus on the general topic “site effects- ground motion” and “Microzoning studies”.

- New amplification factors and site -soil classifications schemes (papers in BEE and elsewhere)
- Spatial correlation models for seismic hazard and site effects (i.e. SYNER-G project)
- Analysis and quantification of uncertainties in GMPE, including soil effects (work done in SHARE)
- Strong motion data bases with good quality metadata (geotechnical, etc.) (e.g. ITACA)
- Data sets on site effects and strong ground motion from several strong earthquakes in Europe

Interest in synthesizing all this material but it is deemed very difficult to anyone to take over this task; coordinator feels unable to do it in the near future.

Following a recommendation by the Exec Com on its April 2014 meeting, a second coordinator (F Silvestri) was added to the WG in May, following a proposal by K. Pitilakis. An action plan and an updated membership list are expected; no WG meetings, no WG website.

### **WG7 – Development of Shaking Table Testing Techniques**

**Coordinator: Adam Crew**

The new Coordinator (whom the Secretary met in Bristol 31/3/14) plans to ensure that all the European organisations with large shaking table and/or reaction wall facilities are represented within the working group and to that end he has made initial contact with all the laboratories. Once the membership of the WG is confirmed the plan is to work with all the group members to look at broadening the scope of the WG activities in line with the current aspirations of the test facilities.

Confirmed members:

Bristol - Adam Crewe



LNEC - Paulo Candelas and Antonia Correia

EU Centre - Alberto Pavese

Contact made with CEA, NTUA, ISMES, Skopje and JRC; confirmation of contact names still pending.

### **WG8 – Seismic Behaviour of Irregular and Complex Structures**

**Coordinator: Mario De Stefano**

Main focus has been the organisation of European Workshop on the Seismic Behaviour of Irregular and Complex Structures; 7<sup>th</sup> one to be held Oct. 2014 in Opole, Poland.

Springer Book “Seismic Behaviour and Design of Irregular and Complex Civil Structures” published in 2013, collecting the improved and revised papers presented at the 6<sup>th</sup> EWICS (Haifa, 2011).

Planned future activities: setting up Project Teams with different research targets; creation of WG8 website; setting up research networks to participate to European calls for proposals.

Membership list: Alwely, Anagnostopoulos, Athanatopoulou-Kyriakou, Ayala, Bento, Capozzi, Chen Cimellaro, Zamfirescu, Yael, Farhat, Favvata, Fujii, Gasparini, Georgoussis, Gherzi, Guo, Huino, Jaroszewicz, Kapustian, Khoury, Köber-Musat, Koboevic, Lavan, Leibovich, Levy, MacRae, Magliulo, Mariani, Marino, Mazars, Moghadam, Nsieri, Offir, Palermo, Penelis, Qifeng, Reinhorn, Reyes, Roy, Rutenberg, Schwarz, Silvestri, Stimamiglio, Tanganelli, Teisseyre, Trombetti, Viti, Wilkinson, Zembaty Zolkov Adi (51 members).

During its April 2014 meeting the Exec. Committee recommended that the number of WG (full) members should be reduced to a number comparable to other groups (no more than about 20).

### **WG10 – Seismic Aspects of Historical Monument Preservations**

**Coordinator: Elizabeth Vintzileou**

The main aim of the WG is to prepare a State-of-the-Art Report on the seismic behaviour of historic masonry elements, subassemblies and building models.

The work within the WG will be organized as follows (report by E. Vintzileou in Apr. 2014):

- A. Collection of available data
- B. Preparation of a template for the presentation of each separate test (including the values of key parameters).
- C. Filling-in of the Forms with experimental data.
- D. Evaluation of experimental results and suggested values of key parameters.
- E. Draft of the State-of-the-Art Report (short presentation of experimental works and results of evaluation).

The current membership is:

Elizabeth Vintzileou, National Technical University of Athens, Coordinator

Ihsan Engin Bal, Istanbul Technical University

Francesca Da Porto, University of Padova

Matija Gams, University of Ljubljana

Paulo Lourenco, University of Minho

Guido Magenes, University of Pavia

Stavroula Pantazopoulou, University of Cyprus

Andrea Penna, University of Pavia

John Psycharis, National Technical University of Athens

Ioannis Stefanou, Ecole Nationale des Ponts et Chaussees

The first meeting of the WG will take place in August 2014 in Istanbul.

### **WG11 – Seismic Design, Assessment, and Retrofit of Bridges**

**Coordinator: Andreas Kappos**

Ongoing activities:

- Regular meetings held annually (last one in Kos, June 2013, next one in Istanbul, 26 Aug. 2014)

- Updating/improving the [WG11 website](#)
- Dissemination of Springer book [Seismic Design and Assessment of Bridges](#) written by the WG11 members
- Strengthening contacts with other International Groups in the field, in particular IABSE WG7 (joint organisation of mini-symposium within COMPDYN 2013) and ACI Comm. 341 (its chairman Prof. S. Sritharan became a member of WG11, and A. Kappos a member of ACI 341, joint activities planned)
- Three project teams set up in 2012:
  - Project Team #1 on Bridge Monitoring and System Identification (current convenor C. Karakostas)
  - Project Team #2 on EC8 Part 2 implementation (current convenor M. Fischinger)
  - Project Team #3 on Bridge-specific ground motion selection and generation procedures for design and assessment (current convenor A. Sextos)

Good progress made by PT1, less by PT2 and PT3.

The current membership (full members) is:

Andreas Kappos, City University London, Coordinator  
Antonio Arede, University of Porto  
Nuray Aydinoglu, University of Bosphorus  
Donatello Cardone, University of Basilicata  
Pedro Delgado, Polyt. of Viana do Castelo  
Matej Fischinger, University of Ljubljana  
Tatjana Isakovic, University of Ljubljana  
Kazuhiko Kawashima, Tokyo Institute of Technology  
George Mylonakis, University of Patras and University of Bristol  
Camillo Nuti, University of Rome III  
Stavroula Pantazopoulou, University of Cyprus  
Rui Pinho, EUCENTRE & Rose School, Italy  
Paolo Pinto, University of Rome "La Sapienza"  
Mehdi (Saiid) Saiidi, University of Nevada Reno  
Anastasios Sextos, Aristotle University of Thessaloniki

There are also 11 [corresponding members](#)

Strong interest, particularly from younger researchers, to join the WG; new membership will be decided at and subsequent to the Istanbul meeting.

## 2. Conclusions and recommendations

- The activities of working groups constitute a major part of the EAEE work; they are among the most important EAEE activities, along with the journal (BEE) and the conference (ECEE).
- The replacements of coordinators in late 2013 and the subsequent additions of co-coordinators have been mostly successful.
- The groups must have membership (suggested limit 20 for full members, flexibility in corresponding members) and, if possible websites, and should hold meetings at least biannually. Groups without members and meetings after Aug. 2014 will be subject to scrutiny, with a view to replacing the coordinator or adding a (younger) co-coordinator.

Andreas Kappos

23/8/2014