

## **Minutes of the EAEE Working Group 11 12<sup>th</sup> meeting in Crete, Greece (24-6-2019)**

WG11 meeting was held in Crete, Greece during the 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2019 .

### **List of Attendees:**

*WG (full & corresponding) members:* A. Kappos (City, University of London / Aristotle University of Thessaloniki), P. Delgado (Polyt. of Viana do Castelo), C. Karakostas (ITSAK via Skype), C. Nuti (University of Rome III), A. Sextos (University of Bristol / Aristotle University of Thessaloniki), S. Mitoulis (University of Surrey), L. Di Sarno (University of Liverpool, UK / University of Sannio) .

*Other Attendees:* E. Chatzi, (ETH Zurich). D. Lavorato (University of Rome III), G. Quaranta (University of Rome La Sapienza), S. Stefanidou (Aristotle University of Thessaloniki).

After welcoming the participants, A. Kappos reviewed the list of full and corresponding members for the period 2018-2020. M. Fischinger has been moved from Membership to Corresponding Member, following his request due to his academic retirement. It was also highlighted the need to appointing the WG 11 Rapporteur, based on an idea approved at the last EAEE ExCo meeting. A. Kappos suggested to appoint L. Di Sarno as WG 11 Rapporteur. This proposal was supported by all attendees.

### **Item 1: Overview - Activities report**

A. Kappos made a brief presentation of the current WG11 activities.

- ***Liaison with other International Groups:*** Reference was made to the collaboration with leading international groups in the field, particularly the [ACI 341](#) Committee (Earthquake-Resistant Concrete Bridges, Current Chair: K. Mackie) and the ASCE/SEI Committee on Performance-based Design of Structures (Chair: O.-S. Kwon). A proposal for a session jointly organised with ACI 341 has been sent to the organisers of the 17WCEE (Sendai, Japan).
- ***Website:*** The new layout, content and visiting statistics of the WG website were presented (<http://eae-WG11.weebly.com>).

### **Item 2: Presentations by the Project Team leaders**

- ***Project Team #1 on Bridge Monitoring and System Identification:*** A detailed presentation was made by Dr. Karakostas, coordinator of the PT. The presentation, focused on the recent PT1 activities inclusive of the progress made with respect to the review document on Structural Health Monitoring. E. Chatzi also presented her contribution to the development of the activities of PT1. The aim remains to produce a state of the art paper for the Bulletin (BEE) by the end of the year.

- ***Project Team #3 on Bridge-specific ground motion selection and generation procedures for design and assessment.*** The activities of the PT were presented by its coordinator A. Sextos and discussion followed. It was mentioned that there is a degree of overlapping between WG11-PT3 and SC8-PT6 of Eurocode 8 in terms of expertise. It was decided to keep the line open both ways, so that WG11 is able to get an early view of the changes envisaged in Eurocode 8 – Part 2 (particularly given ground motion selection and asynchronous excitation) but also exploit the WG11 expertise to provide feedback to SC8-PT6.
- ***Project Team #4 on Seismic Design of Integral Abutment Bridges*** C. Nuti presented the activities and the work-plan of the newly established PT4, coordinated by C. Nuti and S. Mitoulis. The PT has already had a number of skype meetings and launched a number of activities, including both a state of the art document and special sessions in a number of conferences.

A brief discussion took place on proposals of WG members for future activities, e.g. ageing effects on the seismic performance of bridges and the use of new materials for efficient and sustainable bridge construction.

A. Kappos stressed the need for the PTs whose activities are still in progress to expedite their work. It was agreed that the deadline for the completion of the activities for PT1 and PT3 is the end of 2019.

The PT coordinators should send their report and circulate them with the minutes.

### **Item 3. Date and venue of the next meeting**

- The next plenary meeting of the Task Group will take place during the forthcoming 17<sup>th</sup> World Conference on Earthquake Engineering (<http://www.17wcee.jp/index.html> [www.17ecee.org](http://www.17ecee.org)) to be held in Sendai, Japan between 13-18 September, 2020. It is suggested to organize a special session at the 17WCEE venue in collaboration with ACI 431.