LIQUEFACT PROJECT WORKSHOPS

Pavia, October 8-9, 2019

Assessment and mitigation of liquefaction potential across Europe: a holistic approach to protect structures/infrastructures for improved resilience to earthquake-induced liquefaction disasters
Tuesday, October 8th 2019

Training on LIQUEFACT Software for Liquefaction Mitigation Planning and Decision Support

14:00 - 15:00  Part-1  Methodologies and procedures integrated in the software
15:00 - 16:00  Part-2  Processing and Concept of LIQUEFACT Software
16:00 - 16:10  Break
16:10 - 18:00  Part-3-1  LIQUEFACT Software: Assess level of liquefaction risk (hazard assessment)
                Part-3-2  LIQUEFACT Software: Assess level of liquefaction threat on the asset (risk assessment)
                Part-3-3  LIQUEFACT Software: Development of Mitigation Framework (mitigation strategy)

Wednesday, October 9th 2019

Main Outcomes from LIQUEFACT Project

Morning Session
08:30 - 09:00  Registration
09:00 - 10:00  Opening Session (institutions, local/national authorities, professional associations)
10:00 - 10:30  Overview of Liquefact Project: goals and achievements
               Prof. K. Jones
10:30 - 11:00  Zonation of liquefaction hazard at continental and municipal scales
               Prof. C. Lai & C. Meisina
11:00 - 11:30  Coffee break
11:30 - 12:00  Vulnerability of buildings to earthquake-induced soil liquefaction
               Prof. A. Viana da Fonseca
12:00 - 12:30  Discussion on questions from the audience
12:30 - 14:00  Lunch break

Afternoon Session
14:00 - 14:30  Techniques of ground improvement to mitigate liquefaction susceptibility
               Prof. A. Flora
14:30 - 15:00  Centrifuge modelling of soil-structure interaction in liquefiable ground
               Prof. V. Fioravante
15:00 - 15:30  Community resilience to earthquake induced soil liquefaction disasters
               Prof. K. Jones
15:30 - 16:00  Discussion on questions from the audience
16:00 - 16:30  Coffee break
16:30 - 17:00  Liquefaction risk assessment procedure applied to relevant case studies
               Prof. G. Modoni
17:00 - 17:45  A software to assess liquefaction-induced damage to critical infrastructures
               Dr. A. Meslem
17:45 - 18:15  Discussion and closure
               Prof. K. Jones

The event is organized under the auspices of the Associazione Geotecnica Italiana and Ordine degli Ingegneri della Provincia di Pavia. Participation is acknowledged with 4 CFP for the 8th October workshop and 8 CFP for the 9th October workshop, pending registration to the link: www.isiformazione.it

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For participants who are not interested in CFP, please fill in the following: Registration Form
You should receive a confirmation e-mail within 24 hours. Registration Deadline, October 3rd, 2019.
CONSORTIUM

- Anglia Ruskin University (United Kingdom)
- Università degli Studi di Pavia & Fondazione EUCENTRE (Italy)
- Universidade do Porto (Portugal)
- Università degli Studi di Napoli Federico II (Italy)
- Istituto Sperimentale Modelli Geotecnici – ISMGE (Italy)
- Trevi (Italy)
- Stiftelsen Norsar (Norway)
- Istanbul Universitesi - Cerrahpasa (Turkey)
- Univerza v Ljubljani (Slovenia)
- Universita degli Studi di Cassino e del Lazio Meridionale (Italy)
- Slp d.o.o. Ljubljana (Slovenia)

Venue of Workshops

- Workshop: 8th October: Eucentre – Aula Multimediale – Via Adolfo Ferrata, 1 - 27100 Pavia, Italy.
- Workshop: 9th October: University of Pavia – Aula Magna – Piazza Leonardo Da Vinci, 12 - 27100 Pavia, Italy.

Google Maps Link to Venue of Workshop and Meetings in Pavia

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