



# 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

# Agenda

**Tuesday, October 8<sup>th</sup> 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 9<sup>th</sup> 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](http://www.isiformazione.it) - ISI Formazione.



The event is organized under the auspices of the Ordine dei Geologi della Lombardia. Participation is acknowledged with 4 CFP for the 8th October workshop and 6 CFP for the 9th October workshop, pending registration. For more information: [www.geolomb.it](http://www.geolomb.it)



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: [Google Form](#)

## 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 – ISMGEO (Italy)
- Trevi (Italy)
- Stiftelsen Norsar (Norway)
- Istanbul Universitesi - Cerrahpasa (Turkey)
- Univerza v Ljubljani (Slovenia)
- Università degli Studi di Cassino e del Lazio Meridionale (Italy)
- SIp d.o.o. Ljubljana (Slovenia)

## Venue of Workshops

- Workshop: 8<sup>th</sup> October: Eucentre – Aula Multimediale – Via Adolfo Ferrata, 1 - 27100 Pavia, Italy.
- Workshop: 9<sup>th</sup> 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



