



IUSS

Scuola Universitaria Superiore Pavia

INVITATION TO

# DOCTORAL FINAL EXAMS

PAVIA, FEBRUARY 8<sup>th</sup>, 2019



**UME**

understanding and managing extremes



IUSS

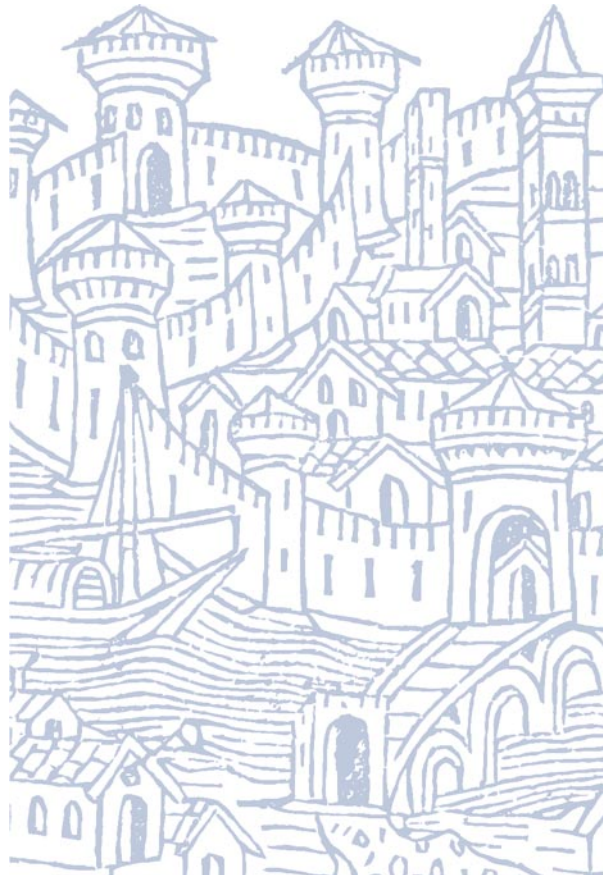
Scuola Universitaria Superiore Pavia

C/o IUSS Palazzo del Broletto - Piazza della Vittoria, 15 - 27100 Pavia, Italy  
Website: [www.umeschool.it](http://www.umeschool.it) – E-mail: [secretariat@umeschool.it](mailto:secretariat@umeschool.it)  
Phone (+39) 0382.375860 - Fax (+39) 0382.375899

**UME**

understanding  
and managing  
e x t r e m e s

THURSDAY, FEBRUARY 8<sup>th</sup>, 2019  
CHURCH OF SAINTS GIACOMO AND FILIPPO  
**C A R C O L L E G E**  
VIA LUIGI PORTA, 10 - 27100 PAVIA



## PROGRAMME

PhD presentation and discussion  
Church of Saints Giacomo e Filippo, CAR College, Pavia

- 09:30-10:15 System-Level Seismic Robustness  
**Hector José Perez Barrera**
- 10:15-10:30 *Break*
- 10:30-11:15 Contributions to the Seismic Vulnerability Assessment of Unreinforced  
Masonry Buildings under Induced Seismicity  
**Stylianos Kallioras**
- 11.15-12.00 Structural and Economic Performance of RC Buildings with Different Types  
and Configurations of Masonry Infills  
**Andrea Rossi**
- 12:00-12:45 Exploring Loss Ratio Prediction Equations in Probabilistic Earthquake Loss  
Assessment  
**Mabé Sofia Villar Vega**
- 12.45-14.00 *Lunch Break*
- 14.00-14.45 Assessment of Earthquake Impacts due to Disruption in Transportation  
Networks using Open Tools and Datasets  
**Catarina Quintela Marques da Costa**
- 14.45-15.00 *Break*
- 15.00-15.45 A Modelling Approach based on Graph Theory towards more Holistic  
Assessment of Natural Hazard Risk of Complex Systems  
**Marcello Arosio**
- 15.45-16.30 Near Real-time Flood Loss Estimation as a Basis for Risk Financing  
Mechanisms  
**Annibale Vecere**
- 16.30-17.15 Understanding an Island of Extremes: State Capacity and Disaster Risk in  
Haiti and the Dominican Republic  
**Julia Harrer**

The committee of independent international experts in charge of the examination comprises:

- **Brunella Bonaccorso**, Università degli Studi di Messina
- **Carmine Galasso**, University College London
- **Valentina Jacometti**, Università degli Studi dell'Insubria
- **Fatemeh Jalayer**, Università di Napoli "Federico II"
- **Paolo Riva**, Università degli Studi di Bergamo
- **Luigi Sorrentino**, Università di Roma "La Sapienza"
- **Dimitrios Vamvatsikos**, National Technical University of Athens