



IUSS

Scuola Universitaria Superiore Pavia

INVITATION TO

DOCTORAL FINAL EXAMS

PAVIA, DECEMBER 15th-16th, 2016



UME

understanding and managing extremes



IUSS

Scuola Universitaria Superiore Pavia

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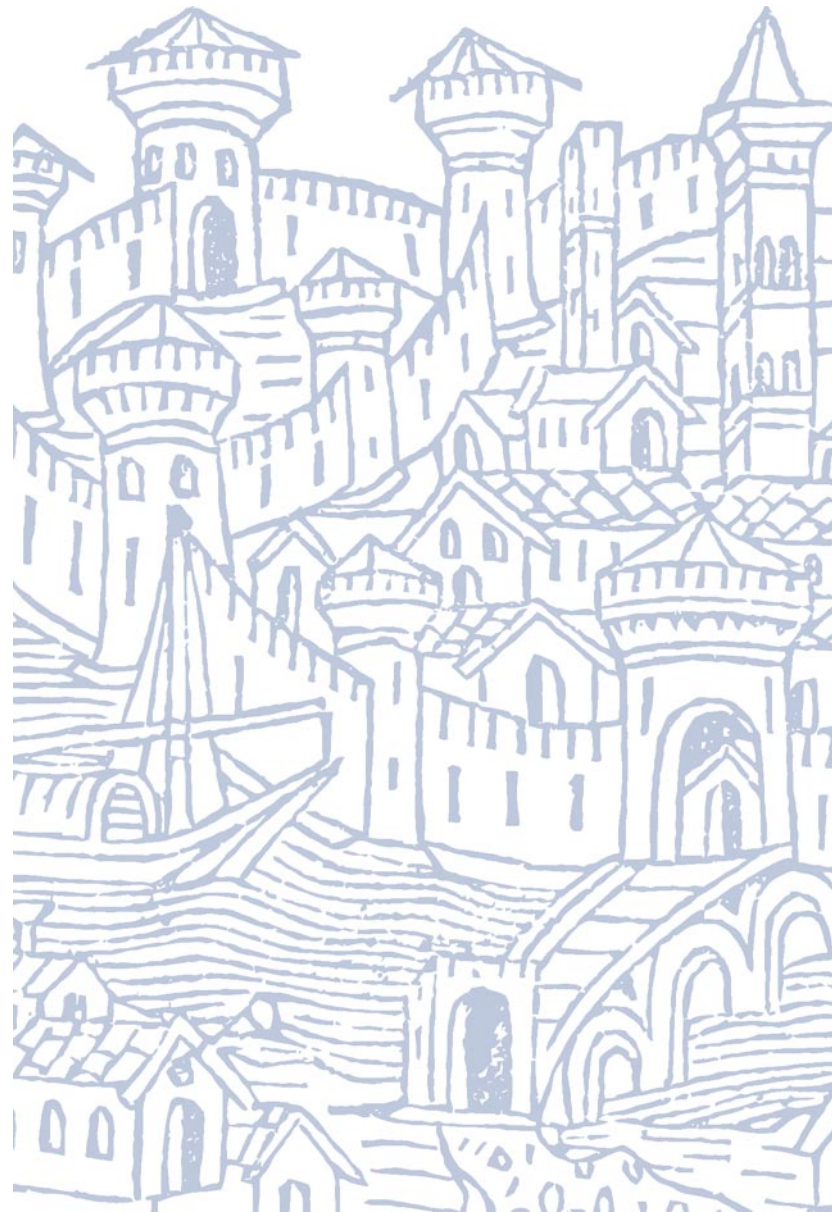
understanding
and managing
e x t r e m e s

FRIDAY, DECEMBER 15th-16th, 2016

CHURCH OF SAINTS GIACOMO AND FILIPPO

CAR COLLEGE

VIA LUIGI PORTA, 10 - 27100 PAVIA



PhD Presentation and Discussion

▼ **Thursday December 15th, 2016**

- 14:00-14:45 Non-structural Considerations for the Seismic Performance of European Buildings
David Welch
- 14:45-15:30 Reduction of Earthquake Damage to Reinforced Concrete Floor Diaphragms
Alfredo Gonzalez Fonseca
- 15:30-16:15 Conceptualizing and Measuring Community Resilience
Gemechis Gudina Wakene
- 16:15-16:30 *Coffee break*
- 16:30-17:15 Soil Moisture-Data Assimilation for Improving Flash Flood Predictions in Mediterranean Catchments. Case Study: ASCAT and Sentinel 1 Derived Products
Luca Cenci
- 17:15-18:00 Untangling the Drivers of Resilience: Understanding the Influences of Local Government Action on Disaster Risk Reduction
Benjamin Beccari

▼ **Friday December 16th, 2016**

- 9.00-09.45 3D Fiber Element with Axial-Shear Stress Interaction for Cyclic Analysis of RC Members
Alexander Kagermanov
- 09.45-10.30 Design of Structures Subject to Multidirectional Seismic Excitation
Cecilia Ines Nievas
- 10.30-11.15 Seismic Performance of a Newly Conceived Masonry Infill with Sliding Joints
Riccardo Raimondo Milanesi
- 11.15-11.30 *Coffee break*
- 11.30-12.15 Contributions for the Improvement of Fragility Curves for Existing Masonry Buildings
Annalisa Rosti
- 12.15-13.00 Performance-Based Seismic Assessment and Retrofit of Existing RC Frame Buildings in Italy
Gerard O'Reilly
- 17.00-18.00 *Reception* (CAR College, Pavia)

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

- **Ghada El Serafy**, TU Delft
- **Paolo Riva**, Università degli Studi di Bergamo
- **Enrico Spacone**, Università degli Studi di Chieti e Pescara
- **Paolo Calvi**, University of Washington
- **Giuliano Castellano**, University of Warwick
- **Sonia Giovinazzi**, University of Canterbury
- **Damian Grant**, University College London
- **Luca Landi**, Università degli Studi di Bologna
- **Marco Preti**, Università degli Studi di Brescia
- **Stefan Schneiderbauer**, European Academy of Bolzano