



IUSS

Scuola Universitaria Superiore Pavia

INVITATION TO

DOCTORAL FINAL EXAMS

PAVIA, FEBRUARY 8th, 2018



UME

understanding and managing extremes



IUSS

Scuola Universitaria Superiore Pavia

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UME

understanding
and managing
e x t r e m e s

THURSDAY, FEBRUARY 8th, 2018
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

- 08:30-09:15 Role of Risk Governance in Influencing Behaviour of Economic Losses
Kamal Ahmed
- 09:15-10:00 Human-Environment Systems Vulnerability to Floods Integrating Spatial Information and Ecosystem Services
Lilit Gevorgyan
- 10:30-11:15 Modelling of Single and Multiple Hazards Impacts on Complex Territorial Systems: Main Challenges and Definition of New Methodological Approaches
Silvia De Angeli
- 11:15-12:00 Development of Innovative Methods and Modelling Approaches Towards More Balanced and Efficient Flood Risk Models
Rui Pedro Carrapatoso Figueiredo
- 12:15-13:00 Measuring Community Resilience to Disasters Through Stakeholders' Frames and Practices: Towards a Resilience Informed Interactive Governance
Arianna Morelli
- 13:00-13:45 *Lunch Break*
- 13:45-14:30 Tailoring Disaster Risk Financing Instruments to Country Contexts: The Case of Central Asia
Tatiana Skalon
- 15:00-15:45 Nonlinear Constitutive Model of a Beam Element with Cyclic Degradation and Damage Assessment for Advanced Dynamic Analyses of Soil-Structure Interaction Problems
Guido Andreotti
- 15:45-16:30 Improved Tools and Strategies for the Derivation of Analytical Fragility Curves of Existing URM Buildings
Stefano Bracchi
- 16:30-17:15 Seismic Assessment of Composite Frames with Concrete-Filled Steel Tube Columns
Yadong Jiang
- 17:15-18:00 From Record Selection to Risk Targeted Spectra for Risk Based Assessment and Design
Andrea Spillatura

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

- **Rossella Cerchia**, Università degli Studi di Milano
- **Gaetano Della Corte**, Università di Napoli "Federico II"
- **Philippe Ker Rault**, Wageningen Environmental Research
- **Sergio Lagomarsino**, Università degli Studi di Genova
- **Dimitrios Vamatsikos**, National Technical University of Athens
- **Paolo Venini**, Università degli Studi di Pavia
- **Enrico Creaco**, Università degli Studi di Pavia
- **Heidi Kreibich**, GFZ Postdam
- **Francesco Zucca**, Università degli Studi di Pavia