

3<sup>RD</sup> INTERNATIONAL  
WORKSHOP ON  
TRADITIONAL AND  
INNOVATIVE APPROACHES  
IN SEISMIC DESIGN



**Thursday, April 26<sup>th</sup>** (Room B1.17, University of Minho, Guimarães)

- 08:30 – 09:15** Registration
- 09:15 – 09:30** Welcome session
- 09:30 – 10:30** Students presentation
- 10:30 – 11:00** Coffee-break
- 11:00 – 11:30** Theoretical Dynamics of a new Seismic Insulation Device based on Tribological-Rocking, Francesco Laccone, University of Pisa
- 11:30 – 12:00** Seismic design of steel structures: From collapse prevention to loss control, Miguel Castro, University of Porto
- 12:00 – 12:30** Site-city interaction: experimental and numerical evidences, Francesca Taddej, TU Munich
- 12:30 – 14:00** Lunch
- 14:00 – 14:30** Analysis of post-liquefaction settlements of structures, Winfried Schepers, GuD Geotechnik und Dynamik Consult GmbH, Berlin
- 14:30 – 15:00** Seismic isolation: a new approach in seismic design, Luís Guerreiro, University of Lisbon
- 15:00 – 15:30** Learning from examples: The cost of reconstruction after the 2012 Emilia-Romagna earthquake, Leonardo Rossi, RWTH Aachen
- 15:30 – 16:00** Coffee-break
- 16:00 – 17:30** Communication in research, Marta Catarino, Tecminho



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**Friday, April 27<sup>th</sup>** (Room B1.17, University of Minho, Guimarães)

- 09:00 – 09:30** Structural and Energetic Retrofitting in Seismic Design of masonry constructions, Mauro Sassu, University of Cagliari
- 09:30 – 10:00** Improving the seismic behaviour of earthen constructions, Daniel Oliveira, University of Minho
- 10:00 – 10:30** Damage avoidance design applied on rocking masonry walls, Linda Giresini, University of Pisa
- 10:30 – 11:00** Coffee-break
- 11:00 – 11:30** Seismic behaviour and design of RC buildings, Mario De Stefano, University of Florence
- 11:30 – 12:00** Seismic behavior of RC building structures with infill masonry walls, Humberto Varum, University of Porto
- 12:00 – 12:30** The role of friction in local mechanisms of masonry buildings subjected to seismic excitation, Claudia Casapulla, University of Naples
- 12:30 – 14:00** Lunch
- 14:00 – 14:30** Earthquake Engineering Experimental Research: The LNEC 3D Shaking Table, Alfredo Campos Costa, LNEC
- 14:30 – 15:00** A coupling between the integral transform method and the finite element method for the analysis of the soil-structure interaction, Gerhard Müller, TU Munich
- 15:00 – 15:30** Earthquake-based testing of a two-story CLT house, Jorge Branco, University of Minho
- 15:30 – 16:00** Coffee-break
- 16:00 – 17:00** Guided visit @ Testing facilities of **ISISE**, UMinho, Guimarães
- 17:00 – 18:00** Guided visit @ the Ducal Palace, Guimarães
- 20:00 – 22:00** Social dinner, Guimarães



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**Saturday, April 28<sup>th</sup>** (Alberto Sampaio Museum, Guimarães)

- 09:00 – 09:30** Vulnerability as a tool to evaluate and mitigate seismic risk in old urban areas, *Tiago Ferreira, University of Minho*
- 09:30 – 10:00** Blast & impact analysis in masonry structures: Testing, modeling and applications, *Paulo Lourenço, University of Minho*
- 10:00 – 10:30** Innovative system for earthquake resistant masonry infill walls under seismic loading, *Christoph Butenweg, RWTH Aachen*
- 10:30 – 11:00** Coffee-break
- 11:00 – 12:00** Discussion
- 12:00 – 12:30** Certificate and Farewell
- 12:30 – 14:30** Lunch
- 15:00 – 18:00** Excursion @ Penha



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