Analysis and Mitigation of Risks in Infrastructures INFRARISK-

9th Summer School Workshop Instituto Superior Técnico, 7th July 2023

Location: Room 4.41, Civil Building

Program

Opening Session

António Pinheiro Head of DECivil, IST

Rita Bento

Director of the Doctoral Programme INFRARISK-

Desmond Hartford Member of the Evaluation Committee

Research Project Presentations – Earthquake Engineering

Chairpersons: Paulo Lourenço, Xavier Romão

BIM-Based Methodology for The Seismic Performance Assessment of Existing URM-RC Buildings

Gonçalo Lopes

Supervision: Romeu Vicente (U Aveiro), Miguel Azenha (U Minho),

Tiago Ferreira (U UWE Bristol)

Empirical Evidence-Based Semantic Models for Seismic Vulnerability Assessment of Masonry Historical Buildings: Lessons from Mexican Experiences

Rafael Ramírez Eudave

Supervision: Tiago Ferreira (U UWE Bristol), Antônio Formisano (UNINA)

Effect of Earthquake Risk on the Real Estate Market – An Application to Lisbor

João Fragoso Januário

Supervision: Carlos Oliv. Cruz (IST), Humberto Varum (FEUP), Vítor

Sousa (IST)

Research Project Presentations – Earthquake Engineering &

Chairpersons: Laura Caldeira & Romeu Vicente

Increasing Robustness of Critical Infrastructures Assessment Using Artificial Intelligence and Structural Monitoring

Fabiana Navia Miranda

Supervision: João Santos (Ventient Energy), Juan Mata (LNEC), Xavier Romão (FEUP)

Development of Multi-Hazard Risk Indicators for Immovable Cultural Heritage: Seismic Vulnerability Assessment

Luis Gerardo Flores Salazar

Supervision: Xavier Romão (FEUP), Rui Figueiredo (IUSS Pavia)

Experimental Characterization of Embankment Failure by

Teresa Alvarez

Supervision: Rui Ferreira (IST), Teresa Viseu (LNEC)

14:30 Keynote Lecture

Chairperson: Rita Bento

Needs and Challenges in Developing the Italian Seismic Risk

Assessment of the School Buildings Stock Serena Cattari (Invited Speaker)

15:30 Discussion, Final Recap and Closing Session

> Carlos Sousa Oliveira Laura Caldeira Paulo Lourenço Romeu Vicente Xavier Romão

Members of the INFRARISK-, Board of Studies

Desmond Hartford Member of the Evaluation Committee















