Analysis and Mitigation of Risks in Infrastructures **INFRARISK-**

3rd Summer School Workshop 28th July 2017

Program

Eng. Carlos Pina President of INFC Eng. Laura Caldeira Head of the Department of Geotechnics of LNEC Prof. Rita Bento Director of the Doctoral Programme INFRARISK-Prof. Atilla Ansal Member of the Evaluation Committee Dr. Desmond Hartford Member of the Evaluation Committee Chairpersons: Prof. Paulo B. Lourenço, Eng. Laura Caldeira Probabilistic Seismic Vulnerability Assessment of "Gaioleiro" Building Ana Simões Supervision: Rita Bento (IST), Sergio Lagomarsino (U Genova), Paulo B. Lourenco (U Minho) How to identify critical hotspots in coastal zones? Challenges Pedro Narra Supervision: Carlos Coelho (U Aveiro), Francisco Eduardo da Ponte Sancho (LNEC) Robustness of multi-storey timber buildings in seismic regions Leonardo Rodrigues Supervision: Jorge Branco (U Minho), Luís Neves (U Nottingham) Robustness of transportation networking systems – Application Hugo Guimarães Supervision: José Campos e Matos (U Minho), Dan Franaopol (U Lehiah), António Abel Henriques (FEUP) Statistical analysis of the effect of the angle of seismic Despoina Skoulidou Supervision: Xavier Romão (FEUP) The influence of correlated spectral parameters in risk analysis Tiggo Ferradosa Supervision: Francisco Taveira Pinto (FEUP), Luciana Neves (FEUP), Teresa Reis (LNEC) 11:40 Chairpersons: Eng. Alfredo Campos Costa, Eng. António A. An application of Natural Hazards Risk Modelling: Wine! Dr. James Daniell Invited Speake 12:40 14.10 Chairpersons: Prof. Rita Bento, Prof. Rui Calçada The Influence of Timber Floors on Masonry Structures Maria Pia Ciocci Supervision: Paulo B. Lourenço (U Minho), Rui Marques (U Minho) Experimental investigation and numerical modelling of dyke Teresa Alvarez Supervision: Rui Ferreira (IST, Teresa Viseu (LNEC) TÉCNICO **U.**PORTO

FEUP FACULDADE DE ENGENHA

Risk Analysis of Transmission Lines Systems to Natural Hazards vith emphasis on Earthquakes and Extreme Winds Fábio Paiva

Supervision: Luís Guerreiro (IST), Rui Carneiro de Barros (FEUP)

Risk-Based Analysis of Bridge Scour Prediction with Live Bed Ana Maraarida Bento

Supervision: Teresa Viseu (LNEC, João Pedro Pego (FEUP), Lúcia Couto (LNEC)

Chairpersons: Prof. Rita Bento, Prof. Rui Calçada

Sanam Moghimi

Supervision: Alexandra Carvalho (LNEC), Paulo B. Lourenço (U Minho)

Optimization of numerical modelling in the context of sensitivity

Bruno Oliveira Supervision: Rodrigo Maia (FEUP), Francesco Ballio (Politecnico di Milano)

Categorization of bridges according to dynamic behavior and definition of a framework for optimization Vitor Camacho Supervision: Mário Lopes (IST), Carlos Sousa Oliveira (IST)

Chairpersons: Prof. Carlos Sousa Oliveira, Prof. Romeu Vicente Earthquake Risk Mitigation of Urban Cultural Heritage Assets Rui Maio

Supervision: Romeu Vicente (U Aveiro), Sergio Lagomarsino (U Genova)

Stability analysis of a SDOF system in hybrid simulation with a Gidewon Tekeste

Supervision: António A. Correia (LNEC), Aníbal G. Costa (U Aveiro)

Risk management applied to cultural heritage buildings. The effect of soil settlements and vibrations induced by

Georgios Karanikoloudis Supervision: Paulo B. Lourenço (U Minho), João Bilé Serra (LNEC)

Claudia Caruso

Supervision: Rita Bento (IST), José Miguel Castro (FEUP)

- Discussion: Board of Studies and Researchers/Scholars

Ena. Laura Caldeira Prof Carlos Sousa Oliveira Members of the INFRARISK-, Board of Studies Prof. Atilla Ansal

Head of the Department of Civil Engineering, Ozyegin University, Istanbul, Turkey

Dr. Desmond Hartford Principal Engineering Scientist, BC Hydro, Vancouver, Canada Dr. James Daniell

Senior Research Scientist, CEDIM – KIT, Karlsruhe, Germany



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