

9:30 > Opening Session

Professor João Falcão e Cunha (Dean of FEUP)

Professor Rita Bento (Director of the Doctoral Programme INFRARISK-)

Professor António Silva Cardoso (Head of the Civil Engineering Department - FEUP)

Professor Atilla Ansal (Member of the Evaluation Committee)

Professor Desmond Hartford (Member of the Evaluation Committee)

9:50 - 10:35 > KEYNOTE Lecture

INVITED SPEAKER OF THE EVALUATION COMMITTEE

Chairperson: Professor Rui Calçada

Risk Engineering at the Boundary between Science, Policy and Politics

Professor Desmond Hartford

10:35-11:20 >

RESEARCH PROJECT PRESENTATIONS – 15 minutes presentations + discussion

Chairpersons: Professor Rita Bento, Professor Xavier Romão

Earthquake risk mitigation of urban cultural heritage: uncertainty analysis on numerical modelling

Rui André Simões Dias Maio

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

Recent developments in Real-Time Dynamic Hybrid Simulation (RTDHS)

Gidewon Goitom

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

Introduction to seismic analysis of irregular bridges

Vitor Camacho

Supervision: Mário Lopes (IST), Carlos Sousa Oliveira (IST)

Coffee break <11:20 – 11:40 > Coffee break

11:40-12:40 >

RESEARCH PROJECT PRESENTATIONS – 15 minutes presentations + discussion

Chairpersons: Professor Rita Bento, Professor Xavier Romão

Mitigation framework for seismic prone zone; considering a cost effectiveness analysis

Sanam Moghimi

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

The effect of soil settlements and vibrations on cultural heritage buildings, induced by underground structures. A preliminary study and design methodology.

Georgios Karanikoloudis

Supervision: Paulo Lourenço (U Minho), João Bilé Serra (LNEC)

Sampling complex time series data for Monte Carlo simulations

Bruno André Machado Andrade Oliveira

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

Modelling issues for old reinforced concrete buildings

Claudia Caruso

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

2nd Summer Workshop – INFRARISK- – July 8, 2016

Lunch break < 12:40 – 14:15 > Lunch break

14:15-15:35 >

RESEARCH PROJECT PRESENTATIONS – 20 minutes presentations + discussion

Chairpersons: Professor Carlos Sousa Oliveira, Professor Laura Caldeira

Seismic assessment of the masonry "gaioleiro" buildings in Lisbon. Case study and sensitivity analysis.

Ana Gabriela Gaspar Simões

Rita Bento (IST), Sergio Lagomarsino (U Genova), Paulo Lourenço (U Minho)

Analysis of RC buildings under earthquakes with arbitrary orientations: results and challenges.

Despoina Skoulidou

Supervision: Xavier Romão (FEUP)

Risk analysis of bridges using a new reliability-based robustness assessment methodology

Hugo Miguel Ribeiro dos Santos Guimarães

Supervision: José Campos e Matos (U Minho), Dan Frangopol (Lehigh University), António Abel Henriques (FEUP)

Risk analysis and probabilities of failure in offshore monopile foundations

Tiago João Fazeres Ferradosa

Supervision: Francisco Taveira Pinto (FEUP), Luciana Neves (FEUP), Teresa Reis (LNEC)

Coffee break <15:35 – 15:55 > Coffee break

15:55-16:55 >

RESEARCH PROJECT PRESENTATIONS – 20 minutes presentations + discussion

Chairpersons: Professor Paulo Lourenço, Professor Romeu Vicente

Seismic behaviour of RC buildings infilled with masonry walls

João Mário de Oliveira

Supervision: Humberto Varum (FEUP), Panagiotis Asteris (School of Pedagogical and Technological Education - Greece)

Coastal erosion risk assessment at Portuguese speaking countries

Pedro Narra

Supervision: Carlos Coelho (UA), Francisco Eduardo da Ponte Sancho (LNEC)

Impact of spatial variability of strength and stiffness properties on the seismic behaviour of a timber-frame structure

Leonardo Filipe Guilherme Rodrigues

Supervision: Jorge Branco (U Minho), Luís Neves (U Nottingham)

16:55-17:15 > Discussion: Board of Studies and Researchers/Scholars

17:15 > Closing Session

Professor Rui Calçada (member of the INFRARISK-, Board of Studies)

Professor Carlos Sousa Oliveira

Professor Atilla Ansal (Head of Department of Civil Engineering, Ozyegin University)

Professor Desmond Hartford (Principal Engineering Scientist, BC Hydro, Vancouver)