

RISCO Research Meeting 2015

Aveiro, 28 October 2015



RISCO – Aveiro Research Centre
of Risks and Sustainability in COnstruction

Meeting program			Department of Geosciences auditorium
09:30	10:00	OPENING SESSION	
			Session 1
		AUTHOR	PRESENTATION
10:00	10:10	Susana Pinto	Energetic efficient and fire-retardant lightweight structure
10:10	10:20	Anselmo Vieira	Experimental research on wall cracking - Development of retrofit solutions, "Bridge" cracking repair technique - Experimental campaign
10:20	10:30	DISCUSSION	
10:30	10:50	Coffee Break	
			Session 2
		AUTHOR	PRESENTATION
10:50	11:00	Rui Maio	Seismic Risk Assessment of the European Building Stock: Evaluation of Existing Analytical Fragility Curves
11:00	11:10	Bárbara Marinho	Application of EOF Analysis to Barra-Vagueira coastal stretch
11:10	11:20	Cláudia Patrícia Cândido do Amaral	Nanotechnology applied to Novel Construction Solutions: experimental and numerical study of building solutions with phase change materials.
11:20	11:30	Thiago Dias de Araujo e Silva	Buckling lengths in steel frames exposed to fire
11:30	11:40	Paulo Alexandre R. Ribeiro Soares	Value management in rehabilitation operations according with cost and schedule
11:40	11:50	João Daniel Romeiro Ferreira	Validation of the General Method procedure for prismatic members under fire conditions – comparison with the program GeM
11:50	12:00	Pedro Narra	Using GIS to assess coastal erosion vulnerability
12:00	12:10	Dimas de Castro e Silva Neto	Use of PPPs in Developing Countries
12:10	12:30	DISCUSSION	
12:30	14:00	Lunch-break	
			Session 3
		AUTHOR	PRESENTATION
14:00	14:10	Francisco Martins	Analysis of the effects of climate changes on culverts performance
14:10	14:20	Márcia Lima	LTC numerical model graphical interface
14:20	14:30	Sandra Marisa da Silva Costa	Ria de Aveiro Lagoon fine sediment Laboratory Tests
14:30	14:40	Flávio Alexandre Matias Arrais	Resistance of cold-formed steel beam-columns with lipped channel sections under fire conditions
14:40	14:50	Luís Francisco Amaral da Silva	Laboratory performance of asphalt rubber mixtures
14:50	15:00	Élio Maia	Critical temperatures of slender steel cross-sections
15:00	15:10	DISCUSSION	
15:10	15:20	Break	
			Session 4
		AUTHOR	PRESENTATION
15:20	15:30	André da Silva Reis	Numerical modelling of steel plate girders at normal and elevated temperatures
15:30	15:40	Alice Maria Tavares Alves da Costa	The impact of the 1755 earthquake in Aveiro district
15:40	15:50	Carlos André Soares Couto	Numerical investigation on lateral-torsional buckling of steel beams with class 4 cross-sections – comparison with existing design formulae
15:50	16:00	José Ribas	New integrated approach of planning and project management based on the transmutation of complex systems
16:00	16:10	Tiago Miguel Ferreira	Multi-hazard Risk Assessment of Urban Areas
16:10	16:20	DISCUSSION	
16:20	16:30	CLOSING SESSION	