

7 <sup>th</sup> PDEC Annual Workshop			
Programming			
Time	Activity	Position	Topic
<b>Opening Session</b>			
09:00	Opening Session	Director of PDEC, President of the School of Engineering, Directors ISISE and CTAC	Opening Session
<b>Plenary Session</b>			
09:30	Dr Ing.Gerrit E. Neu	Institute for Structural Mechanics - Department for Civil and Environmental Engineering- Ruhr University Bochum	Model-Based Design of Fiber Reinforced Concrete Structures - Verification under Material and Model Uncertainties
<b>PhD students presentations</b>			
10:15	Adilson Campos de Paula Júnior	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	Development of solutions to improve the thermal performance of walls built with Compressed Earth Blocks
10:20	Ali Ziaeinia	Ph.D. Student-Institute for Sustainability and Innovation in Structural Engineering	Performance of a new type of CFRP bar and technique for the flexural and shear strengthening of RC structural elements
10:25	Amin Nazerigivi	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	Assessment of salt decay in granite masonry: experimental and numerical approaches
10:30	Aloys Dushimimana	Ph.D.Student- Institute for Sustainability and Innovation in Structural Engineering	Durability and long-term behavior of RC elements strengthened with CFRP systems
10:35	Carla Colombo	Ph.D.Student- Institute for Sustainability and Innovation in Structural Engineering	Static and dynamic experimental campaigns on the out-of-plane behaviour of block-type masonry structures
10:40	Roosbeh Talebkhah	Ph.D.Student- Institute for Sustainability and Innovation in Structural Engineering	Prefabricated Modular Construction Systems with Efficient Connectors for Their Assembling, Disassembling and Reuse
10:45	Samira Mirzavand	Ph.D.Student- Institute for Sustainability and Innovation in Structural Engineering	Use of AI Tools to Damage Recognition of Existing Infrastructures
10:50	Carlos Santos	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	BIM-based Bridge Management System
11:15-11:45	<b>Coffee Break</b>		
<b>PhD students presentations</b>			
11:45	Hamid Kazemi	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Experimental and numerical analysis of fibre reinforced shotcrete
11:50	Luca Penazzato	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	Sustainable integrated seismic and energy retrofit of masonry
11:55	Kasra Mostofi	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	Advanced prefabricated multifunctional floating dock system for offshore renewables
12:00	Luis Rincon	Ph.D. Student- Institute for Sustainability and Innovation in Structural Engineering	Probabilistic condition assessment and maintenance optimization of corroding concrete port infrastructure subjected to climate change
12:05	Marcilio Mariano	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Exploring the potential of fibre reinforcement to replace conventional flexural reinforcement in RC continuous shallow beams
12:10	Mauricio Bonatte	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Vulnerability assessment of masonry arch bridges under flood event
13:00-14:00	<b>Lunch</b>		
<b>Plenary Session</b>			
14:00	Professor André Furtado	Instituto Superior Técnico	Rethinking the seismic design of masonry infill walls: What can we do?
<b>PhD students presentations</b>			
14:45	Mojtaba Nematollahi	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Macroscale modeling of railway tunnels efficiently retrofitted with fibre reinforced shotcrete
14:50	Mohammad Hassani	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Feasibility assessment of manufacturing green concrete by combination of wastewater and glass powder
14:55	Maria Laura Leonardi	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	BIM based open workflow for the structural analysis of masonry building aggregates
15:00	Simon Szabó	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Influence of the masonry pattern in the safety assessment of historic masonry structures
15:05	Talita Dal'Bosco Re	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	BIM in public institutions as an enabler of better processes: the case of FNDE in Brazil
15:10	Sinem Tola	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Vulnerability assessment of existing railway bridges to scour based on an indirect monitoring approach and machine learning tools
15:15	Chiara Turco	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Sustainable optimisation of compressed earth blocks using agro-industrial by-products
15:20	Caroline Aquino	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Reliable design methods for moment-resisting timber joints
15:45-16:15	<b>Coffee Break</b>		
<b>PhD students presentations</b>			
16:15	Arthur Rebouças	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Enhanced ductility connections for timber structures
16:20	Talita Silva	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Load-slip behaviour of connection systems for CFS and concrete composite beams
<b>Closing Session</b>			
16:50	Professor Joaquim Barros	Director of the Doctoral Programme in Civil Engineering	Awarding of the best Presentation
<b>"Iranian Classical Music" by Hamidreza Salehian</b>			
<b>Magusto</b>			