

6<sup>th</sup> PDEC Annual Workshop

Programming

Time	Activity	Position	Topic
<b>Opening Session</b>			
09:00	Professor Pedro Arezes	President of the School of Engineering at the University of Minho	
<b>Plenary Session</b>			
09:15	Professor Dalila Durães	Professor of Computer Science at the Department of Informatics, School of Engineering, University of Minho	Building Tomorrow: AI's Role in Shaping the Future of Civil Engineering
<b>PhD students presentations</b>			
10:00	Sinem Tola	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Scour Detection of a railway bridge with Monitoring Methods and optimization algorithms
10:15	Óscar Javier Urbina Leal	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Strategies for Enhancing Urban Resilience and Sustainability: Lessons from GIS-Based Vulnerability Assessments and Integrated Frameworks
10:30	<b>Coffee Break</b>		
<b>PhD students presentations</b>			
11:00	Amanda Estefania Chaves Moreno	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Optimal sensor placement for structural health monitoring networks of historical constructions
11:15	Pratik Gajjar	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Into the difficulties of working with refractory masonry: the steel ladle
11:30	Mohamad El Sibai	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Towards country-wide implementation of BIM oriented Product Data Templates
12:00	<b>Lunch</b>		
<b>Plenary Session</b>			
14:00	Doctor Catarina Brandão Araújo	Innovation Director - DST Group SGPS Domingos da Silva Teixeira	Post-Doctoral Pathways: Opportunities Beyond the PhD
<b>PhD students presentations</b>			
14:40	Amir Hossein Mohammadi	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Enhancing structural reliability: Theoretical models and reliability analysis for FRP-strengthened RC beams
15:00	Willian Weber de Melo	Ph.D. Student - Centre for Territory, Environment and Construction	Artificial Intelligence Applied to Coastal Hydro-Morphodynamics Modelling
15:15	<b>Coffee Break</b>		
<b>PhD students presentations</b>			
15:45	Mahmoud Abdel Fattah Abdel Athim Karaz	Ph.D. Student - Centre for Territory, Environment and Construction	A System Dynamic Analysis of Lean-BIM Production Planning and Control for Mitigating Making-Do Practices
16:00	Julio Cesar Santos	Ph.D. Student - Centre for Territory, Environment and Construction	Sustainable mobility in commuting of industry employees located in industrial areas.
16:15	Kamyar Bagherinejad Shahrbijari	Ph.D. Student - Institute for Sustainability and Innovation in Structural Engineering	Advancements in Structural Optimization for the Prefabrication industry: Leveraging steel reinforced concrete beams with a hybrid prestressed GFRP and steel bars
<b>Closing Session</b>			
16:30	Professor Joaquim Barros	Director of the Doctoral Programme in Civil Engineering	