

CIB Doctoral School 2025 – Program

Overall Program

Day 1			Day 2		
Time	Description		Time	Description	
10.45 - 11.30	Opening Session <i>(STEW 310)</i>		10.30 - 11.00	Shortlisted Poster Judging	
11.30 - 12.45	4 Presentations (Industrialization) <i>(STEW 310)</i>	4 Presentations (Construction Management and Other) <i>(STEW 311)</i>	11.00 - 12.45	6 Presentations (Digitalization) <i>(STEW 310)</i>	6 Presentations (Sustainability) <i>(STEW 311)</i>
12.45 - 13.45 LUNCH					
14.00 - 15.00	3 Presentations (Industrialization) <i>(STEW 310)</i>	3 Presentations (Construction Management and Other) <i>(STEW 311)</i>	14.00 - 15.00	3 Presentations (Digitalization) <i>(STEW 310)</i>	3 Presentations (Sustainability) <i>(STEW 311)</i>
15.00 - 16.00	Panel Discussion <i>(STEW 310)</i>		15.00 - 15.30	Networking Session <i>(STEW 310)</i>	
			15.30 - 16.15	Closing Session <i>(STEW 310)</i>	
16.15 - 17.15	Initial Poster Judging				

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Doctoral School Day 1 Program (19th May)

Time	Day 1 – 19 th May 2025	
	Parallel session 1: Industrialization (STEW 310)	Parallel session 2: Construction Management and Other (STEW 311)
1 hour 15 minutes 11:30 – 12:45	Natalia E. Lozano-Ramírez (D1.I1.01) Innovation in construction of developing countries: Towards sustainable industrial development	Ezekiel Olatunji (D1.C1.01) A community-scale framework for evaluating flood resilience across socially diverse communities
	Aishwarya Fadnavis (D1.I1.02) Centrally coordinated procurement efforts: enhancing early supplier involvement and innovation	Yueran Li (D1.C1.02) Ventilation facilities management for older people in residential care homes
	Igor Lopes (D1.I1.03) Building a circular future: RFID-BIM integration for sustainable material management in the construction	Sachindra Hewavitharana (D1.C1.03) Development of a methodology for trustworthy procurement and management of building services systems
	Jorge Rojas (D1.I1.04) Digital twins for 3D concrete printing construction	Kevin Muiruri (D1.C1.04) A critical examination of alternate dispute resolution in PPP
1 hour 14:00 – 15:00	Hyewon Seo (D1.I2.01) The cognitive and physical effect of back support- exoskeleton- on construction worker	Ayodele Fasoyinu (D1.C2.01) Enhancing construction fieldworker safety using wearable sensing devices: a framework for practical integration
	Lichini Nikesha Kumari Weerasinghe (D1.I2.02) Development of a model for sustainable decision-making in net zero carbon retrofitting of existing residential buildings	Ayaz Ahmed (D1.C2.02) Fostering agritecture: A sustainable approach to address the housing shortage and food insecurity in Pakistan
	Mohammad Movahedi (D1.I2.03) A holistic approach to long-term building maintenance planning under uncertainty to maximize recoverable material yields	Mohamed Mohamed (D1.C2.03) Incentivising carbon emission reduction through gain/pain share mechanism in construction projects

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Doctoral School Day 2 Program (20th May)

Time	Day 2 – 20 th May 2025	
	Parallel session 1: Digitalization (STEW 310)	Parallel session 2: Sustainability (STEW 311)
2 hours 15 minutes 11:00 – 12:45	Pedro Cortez-Lara (D2.D1.01) Optimization of water system in buildings using digital technologies	Ping He (D2.S1.01) Estimation and prediction of urban land use implication on energy-related carbon emissions based on machine learning methods
	James Toyin (D2.D1.02) The use of AR and BIM-based framework to support quality control inspections at construction jobsite	Andrew Anafo (D2.S1.02) Development of a net-zero carbon decision support framework (NZCDSF) for contractor selection towards climate change mitigation in construction mega projects
	Prasad Perera (D2.D1.03) Automation of compliance checking of constructed building components with design using deep learning	Kathrine Godsvig Laursen (D2.S1.03) Strategies to prevent waste in the life cycle of a building
	Yasaman Norouzi (D2.D1.04) AI-driven prediction and optimization of thermal conductivity and global warming potential in 3d printed wall sections through geometric and topological design	Shashini Jayakodi (D2.S1.04) Dual level maturity models for assessment and improvement of circular economy in construction organisations
	Mehdi Torbat Esfahani (D2.D1.05) Heat stress prediction and prevention in construction: integrating technologies for real-time monitoring of risk factors and impact of control strategies	Jingqing Hong (D2.S1.05) Dynamic and synergic mechanism of green building transition: A knowledge generation and innovation perspective
	Additional slot	Additional slot
1 hour 14:00 – 15:00	Samira Mirhasani (D2.D2.01) Enabling rapid and reusable visualization of construction operations using simulation and game engines	Daniel Akerele (D2.S2.01) Durability and Sustainability Properties of Rapid Based Concrete Materials
	Mathusha Francis (D2.D2.02) Developing a Dispute Prediction Digital System Using Machine Learning	Iresha Gamage (D2.S2.02) Methodology for assessing economic, social and environmental impacts of circular economy practices
	Toomaj Ghalandar (D2.D2.03) Shaping the future for digital technology organization in the built environment	Benjamin Ababio (D2.S2.03) Developing an implementation model for circular procurement adoption in emerging construction markets: a layered multi-systems approach