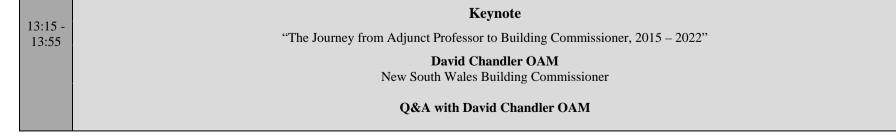
	Wednesday, 23 November
17:00 - 18:00	Registration, Coffee and Tea Venue: KW-P.1.Foyer
	Welcome Reception
18:00 -	Welcome to Country
19:00	Mr Nicholas Howie Dharug Man from the Boorooberongal Clan
	Venue: John Phillips Library Foyer
	Thursday, 24 November
08:00 - 09:00	Registration, Coffee and Tea Venue: KW-P.1.Foyer
09:00 -	Plenary Session
10:25	Venue: KW-P.1.24
	Welcome to Western Sydney University
09:00 - 09:15	Professor Mike Kagioglou Pro Vice-Chancellor, Global Development (UK/Europe) Dean, School of Engineering, Design and Built Environment Western Sydney University
	Address by President of AUBEA
09:15 - 09:30	Professor Monty Sutrisna Head of School, School of Built Environment, College of Sciences Massey University
	Address by President of CIB
09:30 - 09:45	Professor Makarand (Mark) Hastak Dernlan Family Head of Construction Engineering and Management Professor of Civil Engineering Purdue University
	Keynote
09:45 -	"Sustainability Trends and Future Partnerships"
10:25	Ms Davina Rooney CEO, Green Building Council of Australia
	Q&A with Ms Davina Rooney
10:25 - 10:45	Morning Tea Venue: KW-P.1.60
	venue. Kw-1.1.00

AUBEA 2022 - Detailed Program

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		Parallel Paper Presentation Session 1						
	Construction Project Management	Education in Built Environment	Resilience in Built Environment	CIB TG124 Net Zero Carbon	CIB Doctoral School - AUBEA 2022			
10:45 - 12:15	Session Chair: Prof Anthony Mills	Session Chair: Dr Amir Ghanbaripour	Session Chair: Dr Marcus Jefferies	Panel Discussion on "Challenges and opportunities for net zero carbon practices in the construction industry"	Session Chair: A/Prof Yingbin Feng			
	KW-P.1.33	KW-P.1.29	KW-P.1.28	KW-P.1.50	KW-P.1.36			
10:45 - 11:00	2531 - Sustainable Procurement and Modern Slavery Risks in Development and Construction: A Case Study in Australia A/Prof Yingbin Feng, Western Sydney University and Marissa Saunders, Stockland	2079 - A Transdisciplinary Learning Approach to Teaching Construction Entrepreneurship Dr Seng Hansen, Universitas Agung Podomoro	1712 - Climate Change Impact on Cooling and Heating Demand of Buildings in Penrith Dr Keivan Bamdad, Western Sydney University	* Start time 11:00 CIB TG124 Coordinators: Dr Niluka Domingo, Prof Suzanne Wilkinson and A/Prof Sepani Senaratne Panel Moderator: Prof. Srinath Perera	Inauguration of the CIB Doctoral School – AUBEA 2022 Prof. Srinath Perera, Western Sydney University			
11:00 - 11:15	2362 - (Online) Insolvency Prediction Models in the Australian Construction Industry: A Proposed Framework Hewa Kanchana Nandasena, Central Queensland University	2407 - Construction Engineering and Management: A Review of Australia-based Research Dr Tayyab Ahmad, Qatar University	6085 - (Online) Evolutionary Designed Building Skins with Embedded Biomimetic Adaptation Lessons Saam Kaviani, London South Bank University	Panel Members: Jorge Chapa (GBCA), Joe Karten (Built), Laszlo Peter (KPMG), A/Prof. Thayaparan Gajendran (University of Newcastle)	1123 - Community- focused Renewable Energy Transition with Virtual Power Plant in an Australian City – A Case Study Chengyang Liu, RMIT University			
11:15 - 11:30	2477 - (Online) Causes and Effects of Cost Overruns in Construction Projects Chinthaka Atapattu, Massey University	3501 - (Online) Using 360- Degree Virtual Tours to Teach Construction Students Dr Priya Vishnu, Massey University	1756 - (Online) An A-Priori Framework for Community Transformation through Inclusive Risk-Sensitive Urban Development Devindi Geekiyanage, University of Salford		1371 - Dynamic Construction Scheduling and Resource Planning Based on Real-time Project Progress Monitoring Kartika Nur Rahma Putri, University of New South Wales			
11:30 - 11:45	2701 - Examining Site–Office Conflict in Construction Contracting: Adding to an Already Stressful and Stagnant Industry John Smolders, Western Sydney University	2565 - Impact of the Construction Computing Software (CCS) 'Candy' Course: Construction Management and Quantity Surveying Students' Perceptions Prof John Smallwood, Nelson Mandela University	4791 - Comparative Response Spectrum Analysis on 15 Storey Reinforced Concrete Buildings Having Shear Walls with and without Openings as per EN1998-1 Seismic Code Dr Ana Catarina Jorge Evangelista, Engineering Institute of Technology		2026 - Issues in Compliance with Low- Carbon Requirements in the Australian Residential Building Industry <i>Yi Lu, Deakin University</i>			
11:45 - 12:00	2776 - What's in a Job? Indigenous Construction Workers' Employment Preferences Dr George Denny-Smith, RPS / Social Advisory and Research	3725 - Taxonomy of Digital Skills Needed in the Construction Industry: A Literature Review Fida Hussain Siddiqui, Swinburne University of Technology	5203 - (Online) Resilience of Post-Resource Landscapes Sarvin Elahi, University of Technology Sydney		3010 - A Review of Using Augmented Reality to Improve Construction Productivity Zhidong Xu, Massey University			
12:00 - 12:15	4057 - Review of Maturity Models Developed in the Construction Industry: Definitions, Applications and Methodologies Sara Rashidian, Queensland University of Technology	9173 – (Online) Application of Immersive Technologies in Construction Education: An Experimental Study of Project Scheduling <i>Muhammad Sami Ur</i> <i>Rehman, United Arab</i> <i>Emirates University</i>	7847 - Inefficient Regulations that Worsen the Housing Crisis Christian van der Pump, University of Canterbury					
12:15 - 13:15			Lunch Venue: KW-P.1.60					
			Plenary Session Venue: KW-P.1.24					



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	Parallel Paper Presentation Session 2					
14:00 -	Digitalisation of Construction	Health & Safety in Construction	Resilience in Built Environment	Sustainability in Built Environment	CIB Doctoral School - AUBEA 2022	
15:30	Session Chair: Dr Leila Naeni	Session Chair: Prof Imriyas Kamardeen	Session Chair: Dr Krisanthi Senevirathne	Session Chair: A/Prof. Thayaparan Gajendran	Session Chair: A/Prof Yingbin Feng	
	KW-P.1.29	KW-P.1.33	KW-P.1.28	KW-P.1.50	KW-P.1.36	
14:00 - 14:15	492 - Comparison of blockchain solutions from the perspective of BIM integration <i>Klaudia Jaskula, University</i> <i>College London</i>	2938 - Modelling Stressor Interconnectivities and Mental Wellbeing Among Construction Workers <i>Prof Imriyas Kamardeen</i> , <i>Deakin University</i>	Interconnectivities and Mental Wellbeing Among Construction Workers Prof Imriyas Kamardeen, Dr. Matt Stevans, Western		3865 - A Method for Establishing an Infrastructure of Play within the Houses of Apartment Buildings Dalia Bukhamsin, The University of Newcastle	
14:15 - 14:30	801 - Closing the existing circularity gap in the building construction industry using artificial intelligence: A systematic review of literatures Oluleye Ifeoluwa, The Hong Kong Polytechnic University	7561 - Ontology-based Representation of Implicit and Explicit Knowledge for Job Hazard Analysis: Focusing on Water Infrastructure Jobs4358 - (Online) Overview o New Zealand legislation for Flood ResilienceSonali Pandithawatta, University of South AustraliaWidi Auliagisni, Massey		6138 - (Online) Incentivization of Sustainable Waste Management Solutions for Commercial Construction in Australia Pieter van der Lans, The University of Melbourne	6400 - Optimal BIM and LCA Integration Approach for Embodied Environmental Impact Assessment in Early Building Design Yijun Zhou, Western Sydney University	
14:30 - 14:45	1057 - The use of virtual reality in reducing the reliance on human visual construction defects inspection <i>Prof Peter SP Wong, RMIT</i> <i>University</i>	5003 - Scientometric Analysis and Review of Safety in Design in AEC Industry1173 - The Adaptation of the Facility Condition Index (FCI) in the Australian Tertiary Education Sectors Management of a Building Portfolio Jye West, Engineering Institute of Technology		1414 – (Online) Behavioral Attitudes of Construction Professionals Towards the Industry's Waste Minimization Culture: A Factor Analysis of Key Influential Factors Benjamin Ababio, The University of Hong Kong	6574 - Identifying the Validity of Success Indicators in the 'Build Back Better' Approach Francis Hubbard, Massey University	
14:45 - 15:00	7978 - Case Study Observations on the Use of Digital Technologies for Onsite Project Success Donald Mason, Western Sydney University	6104 - Recent National Construction Code Changes, Reduced Innovation, and Increased Contractual Risks <i>Christian van der Pump</i> , <i>University of Canterbury</i>	6724 - (Online) Unrecognised Ramifications of Base Isolators in Buildings Ronwyn Coulson, University of Canterbury	4130 - (Online) A Decision Support Tool for Designing out Waste in Construction Projects: A Conceptual Framework Nguyet Tong, Massey University	7556 - Buildings' Indoor Environmental Conditions: A Thematic Analysis of Verbatim Comments from University Library Stakeholders De-Graft Joe Opoku, Western Sydney University	
15:00 - 15:15	3058 - (Online) Fuzzy Evaluation of Barriers to Digital Technologies Adoption in the Construction Industry Xichen Chen, The University of Auckland	Evaluation of Barriers to gital Technologies Adoption the Construction Industry hen Chen, The University of Beview of Design for		495 - Towards Sustainable Consumption: Enhancing the Use of Reprocessed Construction Materials within the Australian Construction Industry <i>Gihan Tennakoon,</i> <i>University of South</i> <i>Australia</i>	8402 - A Conceptual Framework for Carbon Trading in the Construction Industry Augustine Senanu Komla Kukah, Western Sydney University	
15:15 - 15:30	7590 - (Online) Smart Adaptive Homes and Their Potential to Improve Space Efficiency and Personalisation Thomas Goessler, Manchester Metropolitan University	7594 - Conceptual Framework for Suicide Prevention Process in Construction <i>A/Prof Rameez</i> <i>Rameezdeen, University of</i> <i>South Australia</i>		5606 - (Online) A Review of Residential Construction Waste Reduction Hadeel Albsoul, Auckland University of Technology		
15:30 - 16:00			Afternoon Tea Venue: KW-P.1.60			

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	Parallel Paper Presentation Session 3						
16:00 -	Construction Project Management	Digitalisation of Construction	Industrialisation of Construction	Sustainability in Built Environment	CIB Doctoral School - AUBEA 2022 Session Chair: A/Prof. Yingbin Feng		
17:15	Session Chair: A/Prof Yongjian Ke	Session Chair: Prof Peter SP Wong	Session Chair: Prof Monty Sutrisna	Session Chair: A/Prof. Rameez Rameezdeen			
	KW-P.1.33	KW-P.1.29	KW-P.1.28	KW-P.1.50	KW-P.1.36		
16:00 - 16:15	4569 - Measuring Knowledge Sharing Processes through Social Network Analysis within Construction Organisations Dr Navodana Rodrigo, University of Adelaide	6042 - Challenges and Enablers for Drone Application in the Construction Industry Dr Janet Mayowa Nwaogu, The Hong Kong Polytechnic University	3765 - Realising United Nations Sustainable Development Goals through Offsite Construction Buddhini Ginigaddara, University of Newcastle	1060 - Estimating the Life Cycle Energy Consumption of Urban Residential Buildings Based on A New System Boundary: An Empirical Study of China Lei Liu, Western Sydney University	8584 - Improving Decision- making of Building Projects Towards a Smart and Sustainable Future via the Integration of Life Cycle Sustainability Assessment and BIM-based Digital Twin Karoline Figueiredo, Universidade, Federal do Rio de Janeiro		
16:15 - 16:30	4895 - Engaging External Project Stakeholders within Social Distancing Parameters in Community Development Projects in South Africa Pride Ndlovu, University of the Witwatersrand	4894 - (Online) 3D Printing Technology as an Effective Solution for Sustainable Residential Construction in New Zealand Dr Don Amila Sajeevan Samarasinghe, Massey University	2306 – (Online) Opportunities for Innovation Competitions for the Australian Construction Industry Dr Christopher Jensen, University of Melbourne	938 - (Online) Barriers and Enablers of the Adoption of Recycled Materials Usage in Asphalt Pavement for the USA and Australia: A Systematic Review Timothy Cassidy, Deakin University	8611 - Self-rated Motivational Drivers for Occupant Behaviours: A Case Study of Tertiary Office Buildings Achini Weerasinghe, Massey University		
16:30 - 16:45	4949 - (Online) Exploring the Factors Affecting the Cost of Quality (COQ) in Construction Industry: A Systematic Literature Review Nandini Sharma, Indian Institute of Technology	5168 - Opportunities for Application of Disruptive Technology in a Disaster Management System to Address Gaps in Australian Bushfire Response Marianna Cheklin, University of Technology Sydney	3009 - Construction Industry Capacity and Capability Evaluation; Application of Modelling Techniques for Resource Allocation in Multi-Project Portfolios Jaleh Sadeghi, Massey University	8163 - Opportunities for Energy Efficiency Using Biomimicry Strategies in the Construction Industry Alan Todhunter, Western Sydney University	9104 - Sustainability-Enabling Field in Mega Transport Projects: Insights from Two Cases in India Nicola Thounaojam, Indian Institute of Technology		
16:45 - 17:00	6538 - Establishing the Symbolic Meaning of Buildability: Construction Practitioners' Point of View Indrani Wimalaratne, University of Moratuwa	5436 - Developing Machine Learning Models for Building Rehabilitation Cost Prediction Dr Wai Kin Lau, Technological and Higher Education Institute of Hong Kong	6321 - Challenges in Measuring the Construction Sector Capacity: Lessons for New Zealand Dr An Le, Massey University	6928 – (Online) Revealing the Value of the Circular Economy as a Solution for Mitigating Waste Implications Within the Construction Industry Nathan Johns, Birmingham City University	9300 - Reaching Net-Zero Targets in the Construction Industry by 2050: Critical Review of the Role of Public- Private Partnerships Isaac Akomea-Frimpong, Western Sydney University		
17:00 - 17:15	4958 - (Online) Towards Developing a Conceptual Megaproject Management (MPM) System Jery Johnson, RMIT University	4352 - (Online) Towards Detailed Digital Examination of Masonry Railway Bridges Using Terrestrial Laser Scanner Dr Saeed Talebi, Birmingham City University					
18:15 - 21:00	Conference Gala Dinner Venue: Panthers Penrith – "Jamison Room", 123 Mulgoa Road, Penrith, NSW 2750						
		Fri	day, 25 November				
08:00 - 09:00	Registration, Coffee and Tea Venue: KW-P.1.60						
09:00 -	Plenary Session						
10:15	Venue: KW-P.1.24						

	Keynote
	"Rethinking Tertiary Education: The Role of IATs"
09:00 -	Professor Peter Shergold AC
09:45	Chancellor
	Western Sydney University
	Q&A with Professor Peter Shergold AC
	Presentation by Gold Sponsor - Australian Building Codes Board
09:45 - 10:15	"Working Together: An Education Opportunity"
	Professor Gabrielle Wallace, Group Manager NCC Management and Standards Clare Wright, Group Manager NCC Education

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	Parallel Paper Presentation Session 4							
10:20 -	Construction Project Management		Digitalisation of Constr	uction	Education in Built Environment			
11:20	Session Chair: Dr Rita Peihua Zhang <i>KW-P.1.33</i>		Session Chair: Dr Navodana Rodrig KW B 1 26	Session Chair: Buddhini Ginigaddara				
10:20 - 10:35	8751 - Determining the Optimum Risk/Re for a Mega Infrastructure Project: A Case S of a 2.5-Kilometre Rail Bridge Project Ali Eghbaljoo, ORBIZ Consulting Pty L	Study t	<i>KW-P.1.36</i> 6503 - (Online) Deterministic and Probabilistic Risk Management Methods in Construction Projects: A Systematic Literature Review and Comparative Analysis Ania Khodabakhshian, Politecnico di Milano		<i>KW-P.1.29</i> 3897 - Perceptions of Architecture Degree Students Towards Sustainability in Buildings <i>Dr Tayyab Ahmad, Qatar University</i>			
10:35 - 10:50	5026 - (Online) Development of Concept Motivational Framework to Improve Construction Labour Productivity in the U John Kojo Tawiah Hayford, London South University	J.K.	6906 - Ensuring Trusted and Tracea Certifications with Blockchain: A C Thilini Weerasuriya, Western Sya	able Construction	7703 - A Review of Immersive Technology Applications in Occupational Health and Safety Training in the Construction Industry Arka Ghosh, Deakin University			
10:50 - 11:05	7013 - Perception of Usefulness of Build Price Data for Decision Makers in Austra Prof Anthony Mills, Deakin University	alia	3987 - A Socio-Technical Model of Digital Design Coordination and Review: A Game Theoretic Approach A/Prof Julie Jupp, University of Technology, Sydney		Factors Affecting W Australian Co	er Attraction: A Review of omen's Experiences in the onstruction Industry ripour, Bond University		
11:05 - 11:20	6467 - (Online) Understanding the Relevance and Impact of Systems Thinking in the Construction Industry: A Bibliometric Analysis Natalia Ortega, Massey University		1140 - Exploring the Nexus between Digital Engineering and Systems Engineering and the Role of Information Management Standards Yu Chen, University of Technology Sydney		6554 - (Online) Skill Transformation: Future Requirements, Implementation, and Academic Implications in Quantity Surveying and Construction Management Professionals in the New Zealand Construction Industry Cecily Zhou, Ara Institute of Canterbury			
11:20 - 11:40			Morning Tea Venue: KW-P.1.60					
			Parallel Paper Presentation	n Session 5				
11:40 - 12:40	Construction Project Management	In	dustrialisation of Construction		bility in Built ronment	AUBEA Council		
	Session Chair: Dr Janet Mayowa Nwaogu		Session Chair: Dr Ana Evangelista	Dr Lau	on Chair: ra Almeida	Meeting		
11:40 - 11:55	KW-P.1.33 7781 - Do Australians Dislike Chinese Investment in Australian Infrastructure Sector? Associate Professor Yongjian Ke, University of Technology Sydney	0	KW-P.1.29 889 - Capacity Modeling for the Construction Industry; An Initial Framework Azam Zavvari, Massey University	<i>KW-P.1.36</i> 9307 - Developing an Assessment System on Green Construction Sites in Australia <i>Sarah Elattar, University of</i>		KW-P.1.28		
11:55 - 12:10	University of Technology Sydney 8628 - Building Wiser: Fostering Excellence in Procurement Risk Governance Dr Rita Peihua Zhang, RMIT University	Ham) - (Online) Inconsistent Workloads per the Transportation Construction Sector in New Zealand la Winter, University of Canterbury	Canberra 6029 - (Online) Challenges to Zero Carbon Refurbishment of Existing Buildings in New Zealand: An Exploratory Study Thao Thi Phuong Bui, Massey University				
12:10 - 12:25	6820 - Recent National Construction Code Changes, Reduced Innovation, and Increased Contractual Risks Christian van der Pump, University of Canterbury	novation, andTechnical Innovation in an Australianl RisksConstruction Company		3453 - (Online) Enhancing the Decision-Making Process of Life Cycle Assessment Towards Circular Economy Measurement in the Construction Industry Prince Antwi-Afari, The University of Hong Kong				
12:25 - 12:40		the	 A Conceptual Model to Compare Pipeline and Sector Information in the Construction Industry Monty Sutrisna, Massey University 	4416 - (Online) Exploring Critical Success Factors for Promoting a Circular Economy in New Zealand Construction Kam Yuen Cheng, Ara Institute of				
12:45 - 13:15	Canterbury Plenary Session							
12:45 - 13:05	Venue: KW-P.1.24 Closing Summaries by Theme Leaders Dr Ali Al-Ashwal, Dr Wei Zhou, Dr Md Kamrul Hassan, A/Prof Sepani Senaratne, Dr Robert Osei-Kyei, Dr Sameera Wijesiri Pathirana, Dr Brendan Kirkland, A/Prof Yingbin Feng							
13:05 - 13:15	Vote of Thanks Prof Srinath Perera Director, Centre for Smart Modern Construction (c4SMC) Chair Professor of Built Environment & Construction Management Western Sydney University							
13:15 - 14:00	Lunch Venue: KW-P.1.60							
14:00 - 16:00	Site Visit Western Sydney International (Nancy-Bird Walton) Airport							

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