

The 48th AUBEA international Conference
Paper In-person Presentation List

Id	Submitter first name	Submitter last name	Title	Presentation Time	Date and Location	Session chair	Session co-chair
156	Ornella	Tambwe	A Data Security Framework: A Step Towards Reducing Data Risks in the Construction Industry	13:30-13:45	27 November; 2A06	Dr Wajiha Shahzad	Dr Xue Jin; Dr Hamed Golzad
218	Alisson	Silva	360° Vision-Based Method for Indoor Construction Progress Monitoring: An Action Research Study	13:45-14:00			
181	Dilakshan	Sivakumaran	Early Contractor Involvement (ECI): A Bibliometric Analysis of Global Trends and Patterns	14:00-14:15			
190	Kola	Olaiyiwola	Information flow comparison between traditional and offsite construction projects in the design phase: A scoping review	14:15-14:30			
192	Wei-Ting	Hong	Enhancing construction safety management through expert-AI collaboration	14:30-14:45		Dr Xue Jin	Dr Wajiha Shahzad; Dr Hamed Golzad
193	Kola	Olaiyiwola	Lean Construction: Looking Through the Lens of Modular Construction in Australia	14:45-15:00			
195	Lakkhana	Perera	Developing Lean Analytics Matrices For Sri Lankan Large Contractor Risk Management Performance	15:00-15:15			
230	Ali	Bidhendi	Navigating Digital Transformation Implementation Challenges Through Organisational Leadership	15:15-15:30			
173	Diya	Yan	Becoming Leaders in the Australian Construction Industry: A Machine Learning Analysis of LinkedIn Profiles	9:00-9:15	28 November; 2A06	Dr Chandana Siriwardana	Dr Paulo Vaz-Serra; Dr Hamed Golzad
219	Mani	Poshdar	The Value Delivery Dashboard: Co-Managing Affordability and Quality in Construction	9:15-9:30			
229	Paulo	Vaz-Serra	Enhancing Risk Management through Self-Awareness of Task, Team, and Individual Risk Attitudes	9:30-9:45			
232	anne	carman	When site leaders use an AI intervention: The impact on safety performance on construction sites.	9:45-10:00			
328	Diocel Harold	Aquino	Exploring Collaboration Networks in New Zealand Construction Using Social Network Analysis: Initial Findings for Industrial Construction	10:00-10:15		Dr Paulo Vaz-Serra	Dr Chandana Siriwardana; Dr Hamed Golzad
249	Dennis	Chandrasekara	Cause and Effect of Costing Errors on Cost Blowouts in Construction Projects	10:15-10:30			
253	Zahra	Majd	Classifying Stakeholder-Driven Risks in Construction Projects: Towards a Systemic Understanding of Risk Interdependencies	10:30-10:45			
265	Rashid	Maqbool	The Significance of BIM Adoption for Enhanced Coordination in Small-Medium-Sized Construction Projects	10:45-11:00			
267	Fares	Yasin	Examining the Factors Impacting the Adoption of AI-based Safety in the Australian Construction Industry	11:15-11:30	28 November; 2A06	Professor Thayaparan Gajendran	Dr Hamed Golzad
284	Chandana	Siriwardana	Critical Determinants of Subcontractor Performance in the Sri Lankan Construction Industry	11:30-11:45			
294	Rasaki	Fagbenro	Prefabrication Improves the Positive Mental Health of Construction Workers	11:45-12:00			
315	Matt	Stevens	Core Traits and Learned Behaviours: A Starting Point for Non-Biased Hiring of Construction Professionals	12:00-12:15			
275	Isuri	Kadirappulige	Risk Aversion in Circular Economy Adoption in the Construction Industry: A SWOT Analysis	12:15-12:30			
205	Tanvi	Newaz	Artificial Intelligence (AI) for Construction Safety: A Systematic Review of Applications and Industry Impacts	13:30-13:45	27 November; 2A14	Dr Matt Stevens	Dr Tanvi Newaz; A/Professor Hitomi Nakanishi
186	Crispin	Rock	Abrupt Transitions in Lighting Around a Threshold	13:45-14:00			
244	Sam	Neave	Implementation Challenges of Construction Payment Trusts in the United States (2015-2025): A Contextual Analysis	14:00-14:15			
245	Sam	Neave	Profitless Boom: Towards a Theoretical Foundation	14:15-14:30			
148	Matt	Stevens	Australia's Great Innovation Disconnect	14:30-14:45		Dr Tanvi Newaz	Dr Matt Stevens; A/Professor Hitomi Nakanishi
277	Nirusika	Rajenthiran	Closing the Loop: Circular Economy Strategies for Managing PVC Waste in the Built Environment	14:45-15:00			
329	Mehran	Oraeae	A comparative analysis of demolition regulatory frameworks in Australia, Canada, and the United Kingdom	15:00-15:15			
330	Usamah	Aloufi	Stakeholder Engagement in Disaster Risk Reduction Management: A PRISMA-Based Systematic Review	15:15-15:30			
176	Seyi	Stephen	Integration of Gyroscope-Based Intelligent Systems for Real-Time Structural Health Monitoring in Hazard-Prone Areas: A Review	9:00-9:15	28 November; 2A14	Dr Peter Irga	Dr Paulo Vaz-Serra; A/Professor Hitomi Nakanishi
185	Mitansha	-	Resources versus Resourcefulness- The need for achieving organisational resilience	9:15-9:30			
202	Alisson	Silva	A Digital Twin-Based Method for Building Envelope Maintenance Management	9:30-9:45			
233	Xiaoqing	Zhou	Rethinking Culture in Disaster Risk Reduction: The Conceptualisation of an Iceberg-Informed Input-Process-Output(IPO) Model	9:45-10:00			
236	Hong Xian	Li	Towards a Resilient Future: Resilience Modelling of Urban Interdependent Infrastructure	10:00-10:15		Dr Paulo Vaz-Serra	Dr Peter Irga; A/Professor Hitomi Nakanishi
282	Chandana	Siriwardana	A Data-Informed Cost-Benefit Analysis of Integrating Flood Resilience Measures: A Case Study of a Typical Sri Lankan Residential House	10:15-10:30			
299	Jinglu	Li	Disaster in the Construction Field: A Systematic Literature Review	10:30-10:45			
340	Peng	Zhang	Factors Influencing the Mental Health of FIFO Workers in Construction: A Systematic Review	10:45-11:00			
273	Nathnael Azmeraw	Workeluel	EXPLORING HEMP-BASED GEOPOLYMER COMPOSITES AS SUSTAINABLE ALTERNATIVES FOR BUILDING MATERIALS	11:15-11:30	28 November; 2A14	Professor Anthony Mills	A/Professor Hitomi Nakanishi
274	Nathnael Azmeraw	Workeluel	POST-ELEVATED TEMPERATURE MECHANICAL PERFORMANCE OF STEEL FIBER REINFORCED GEOPOLYMER CONCRETE	11:30-11:45			
264	Rashid	Maqbool	Journey Towards Sustainable Construction Under the Shadow of Lack of Awareness	11:45-12:00			
333	Mathusha	Francis	An AI-Based Methodology for Predicting Disputes in the Construction Industry from Project Correspondence	12:00-12:15			
305	Maggie	Tang	Acclimatization of International Academics to Local Construction Industry Practices in Australia	13:30-13:45	27 November; 2A13	Dr An Le	Dr Riza Yosia Sunindijo; Dr. Biruk Tekle
187	Sundeep	Daggubati	A Framework for Implementing Interdisciplinary Learning in Construction Management: Bridging Pedagogy and Practice	13:45-14:00			
241	Imriyas	Kamardeen	Machine Learning Model for Early Detection of At-Risk Built Environment Students Experiencing Work-Study Conflict	14:00-14:15			
285	Zhen	Zhang	Knowledge Sharing and Reuse for Offsite Construction through Large Language Models and Ontology-based Reasoning	14:15-14:30			
290	Neda	Abbasi	Students' Experiences of Online Delivery of Architecture and Building Design Studios in two Australian Universities	14:30-14:45		Dr Riza Yosia Sunindijo	Dr An Le; Dr Biruk Tekle
			Towards a Construction Specific Circular Economy Maturity Model: A Systematic Review of Existing Circular Economy Maturity Models and Research Agenda	14:45-15:00			
302	Bimali	Rathnayake	Integrating Technology-Supported Authentic Learning in a Postgraduate Construction Management Unit: A Case Study	15:00-15:15			
323	Abid	Hasan	Transforming a Construction Management Program to STEM Accreditation: Meeting Tomorrow's Demands Today	15:15-15:30			
316	Matt	Stevens					
325	ali	sharifi	A Unified Gaze-Proximity Measurement and Telemetry Pipeline in Virtual Reality for Evaluating Human-Robot Collaboration in Construction	9:00-9:15	28 November; 2A13	Dr. Ruwini Edirisirighe	Dr Xinping Hu; Dr Biruk Tekle
297	Xinping	Hu	Motivational, Organisational, and Technological Factors Influencing Continuing Professional Development (CPD) in Singapore's Architecture, Engineering and Construction (AEC) Industry	9:15-9:30			
296	Wimarshi	Jayathilaka	Mapping Legislative Instruments and Guidelines for End-of-Life (EoL) Solar Panels towards Sustainable Waste Management	9:30-9:45			
309	Nima	Wangchuk	Evaluating Sustainable concrete using Brick powder and Aggregate as Cement and Coarse Aggregate Replacement	9:45-10:00			
301	Ruwini	Edirisirighe	Active Real-World Learning through Immersive Environments in the Built Environment	10:00-10:15		Dr Xinping Hu	Dr. Ruwini Edirisirighe; Dr Biruk Tekle
207	Kanchuka	Withanage	Navigating Legal and Regulatory Governance Gaps in Smart City PPPs: Insights from the Sri Lankan Context	10:15-10:30			
320	Danilami	Ebenezer Salla	APPRAISING PERSONNEL' BEHAVIOUR TOWARDS CONTRACTOR-SELECTION TECHNOLOGIES IN SELECTED PUBLIC PROCURING ENTITIES	10:30-10:45			
322	Shashini	Jayakodi	Transferring Circular Economy Maturity: Cross-Sectoral Characteristics for Advancing the Construction Organisations	10:45-11:00			
198	Iresha	Gamage	Assessing the Impacts of Circular Economy Using Multicriteria Methods: A Review in the Construction Context	11:15-11:30			

167	Alice	Bui	Zero Carbon Buildings: A Literature Review from International Perspectives	11:30-11:45	28 November; 2A13	Mr Kamal Dhawan	Dr Biruk Tekle
191	Sarah	Elattar	Form Finding Strategies for Low-carbon Tensile Membrane Structure Design: A Case Study	11:45-12:00			
324	Dylan	Wang	Supply Chain Resilience Strategies in the Construction Industry: Insights from the Australia-China Trade	12:00-12:15			
199	Ho Hin	Chan	Enhancing Modular Construction Adoption in Australia: A Policy Framework	13:30-13:45	27 November; 2A12	Dr Navodana Rodrigo	Dr Daniel Oteng; Dr Mike Louw
211	Bitian	Wang	Influencing Factors on Carbon Emission Reduction Awareness among Construction Management Personnel	13:45-14:00			
214	Olatoyese	Oni	ECONOMIC REFORMS AND THEIR IMPACT ON SUSTAINABLE HEALTH AND SAFETY PRACTICES IN NIGERIA CONSTRUCTION INDUSTRY	14:00-14:15			
154	Samuel	adekunle	Exploring Lean Construction 4.0 (LC4.0) Adoption: Pathway to productivity and sustainability	14:15-14:30			
217	Dawa	Tamang	Emerging strategies to achieve total circularity in construction: existing trends, challenges, and prospective framework for adoption.	14:30-14:45			
220	Ali	pakdel	A design scenario database for early-stage life cycle carbon and cost estimation using One Click LCA	14:45-15:00			
178	Edoghogho	Ogbeifun	Developing iconic and sustainable buildings: The role and attitude of the architect	15:00-15:15			
319	Navodana	Rodrigo	A Review of the Role of Blockchain in Carbon Trading Schemes: Perspectives from the Construction Industry	15:15-15:30			
269	Olabode	Ogunmakinde	Barriers to Implementing the ISO 59000 Series in Construction Operations in Australia: A Feasibility Study	9:00-9:15	28 November; 2A12	Dr Suzanne Wilkinson	Dr Hongyu Jin; Dr Mike Louw
291	Sulemana Fatoama	Abdulai	A Bibliometric Review of Alignment Technologies in Modular Construction: Mapping Research Trends and Emerging Opportunities	9:15-9:30			
295	Dilmi	Atapattu	The State of Hydrogen Adoption in Australia: An Overlooked Opportunity in Construction	9:30-9:45			
306	Michael	Sing	Urban Renewal In Hong Kong: Evaluating Strategies and Policy Implications through International Comparative Insights	9:45-10:00			
312	Matt	Stevens	Timber Densification: Improving the Value and Utility of an Australian-Grown Construction Resource	10:00-10:15			
263	Dinithi Piyumra	Raigama Acharige	Conceptual Framework for Affordable and Low-Carbon Residential Housing in New Zealand	10:15-10:30			
342	Sarah	Elattar	Form Finding Strategies for Low-carbon Tensile Membrane Structure Design: A Case Study	10:30-10:45			
332	Yupeng	Zhang	Unlocking the Building Pipeline in a Housing Crisis: Data Mining South Australia's Planning Approval Processes	10:45-11:00			
175	Seyi	Stephen	Bio-Intelligent Systems for Smart Cities: A Neuro-Inspired Approach to Energy and Resource Management	11:15-11:30	28 November; 2A12	Dr. Vidal Paton-Cole	Dr Mike Louw
179	Olabisi	Ajiferuke	A SYSTEMATIC LITERATURE REVIEW OF THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN COST MANAGEMENT FOR CONSTRUCTION PROJECTS	11:30-11:45			
180	Deborah	Adedokun	EXPLORING MULTI-DIMENSIONAL FACTORS SHAPING MATERIAL PASSPORT UPTAKE IN THE CONSTRUCTION INDUSTRY'S OPERATIONAL ENVIRONMENT	11:45-12:00			
182	Mbanga	Abulele	Enabling the Smart Built Environment Through Artificial Intelligence: Demonstrating Enhanced Construction Supply Chain Management Efficiency in South Africa	12:00-12:15			
201	Anjalee	Wijethunge	Exploring the Cost Impacts of 3D Concrete Printing in Residential Construction: Insights from New Zealand and Australian Stakeholders	13:30-13:45	27 November; 2B11	A/professor Hongxian(Lily) Li	Dr Firesenay Zerabruk GIGAR; Dr Larry Xiancun Hu
203	Deao	Xing	Invariant signatures of building material for modern methods of construction: A systematic review	13:45-14:00			
213	Nana Akua	Gyadu-Asiedu	Mixed Reality for Construction Workforce Training and Safety: A Bibliometric Review of Current Trends and Future Directions.	14:00-14:15			
221	Mona	Jahangirzadeh	Policy Pathways for Driving Construction Digitalisation in Australia: A Critical Review	14:15-14:30		Dr Firesenay Zerabruk GIGAR	A/professor Hongxian(Lily) Li; Dr Larry Xiancun Hu
222	Tingting	Li	Navigating the Digital Transformation of Project-Based Organizations: A Systematic Literature Review	14:30-14:45			
231	Prasad	Perera	Impact of Automating Building Compliance through Geospatial AI Technologies	14:45-15:00			
239	Peter	Odeyemi	The Challenge of Alignment of Project Goals between Clients and Vendors in Front-end planning of Information & Communication Technology Enabled Projects in the Built Environment: Client-Side Perspectives	15:00-15:15			
257	Runpu	Wang	A CNN-iTransformer Method for Short-Term Building Load Forecasting	15:15-15:30			
258	Runpu	Wang	SOH Prediction for Smart Building Energy Systems: A Transformer-MAML Approach with Reversible Instance Normalisation	9:00-9:15	28 November; 2B11	Dr Thilini Weerasuriya	Dr Udara Ranasinghe; Dr Larry Xiancun Hu
268	Linda	Kestle	What Drives or Hinders the Integration of Modular Technologies in New Zealand's Medium Density Residential Developments – A Case-Study	9:15-9:30			
341	Peng	Zhang	A Review of Data Interoperability Challenges and Advanced Methodologies from BIM to LCA	9:30-9:45			
281	Daniel	Oteng	Digital Construction Passports for a Circular Future: Navigating Global Policy Landscapes in the AEC Industry	9:45-10:00		Dr Udara Ranasinghe	Dr Thilini Weerasuriya; Dr Larry Xiancun Hu
288	Li	Xu	A Framework for Structured Data Preparation with Large Language Models for Construction Planning	10:00-10:15			
326	Yaser Mohammed	Gamil	Artificial Intelligence Cities Initiatives: The Social and Technical Readiness of Cities in Implementing AI Technologies	10:15-10:30			
298	Judith	Armudjie	Building Information Modelling and Circular Economy Integration: Pitfalls in CircularBIM Implementation	10:30-10:45			
303	Vismaya	K	Interpreting Macro Level BIM Adoption Strategies through the Lens of Activity Theory and Cultural Dimensions	10:45-11:00			
313	Gorkem	Altun	Digital Disruption in Construction: The Future of Automated Structural Quality Inspections	11:15-11:30	28 November; 2B11	Professor Zora Vrceij	Dr Larry Xiancun Hu
292	qinhuan	gu	A GIS-Based Spatial Analysis of Green Space Accessibility: A Case Study of Shanghai, China	11:30-11:45			
331	Mohamed	Elkharboutly	Digital Preservation of Indigenous Architecture: A Photogrammetry Framework for Levuka, Fiji	11:45-12:00			
270	Dawa	Tamang	Utilizing machine learning models to enhance waste glass as an innovative material: a business model for South Australia.	12:00-12:15			
227	Mohammad	Gorjizadeh	Leveraging Cloud Computing for ESG Performance Measurement: A Data-Driven Decision-Making Dashboard	13:30-13:45	27 November; 2A04	Dr Gayani Karunasena	Dr. Fatima Afzal; Dr Amy Wei
197	Sara	Rashidian	Regulatory Reform for 3D printing in Australia: Lessons Learned from International Examples	13:45-14:00			
321	Fatima	Afzal	Cross-Cultural Perspectives on BIM Adoption for Sustainable Construction	14:00-14:15			
209	Ahmad	Moghaddasi	Echoes of Sustainability: Unveiling Climate-Responsive Architecture in Yazd's Rashtian House Traditional Hotel	14:15-14:30		Dr. Fatima Afzal	Dr Gayani Karunasena; Dr Amy Wei
318	Gayani	Karunasena	Home Electrification in Victoria, Australia: What's Next for an Effective Gas-to-Electricity Transition	14:30-14:45			
224	Shashini	Jayakodi	Review of Circular Economy Strategies and Actions in the Australian Built Environment	14:45-15:00			
225	Gabrielle	Duani	Assessing the Hygro-Thermal and Acoustic Insulative Performance of Novel, Building-Scale Hempcrete Structures: An Australian Case Study	15:00-15:15			
255	Geethmi Thisakya	Pattividanalage	From waste to cement: A conceptual framework for integrated refuse-derived fuel supply chains in cement co-processing	15:15-15:30			
234	Lakkhana	Perera	ADOPTING ESG IN THE CONSTRUCTION INDUSTRY: KEY BENEFITS, CHALLENGES, AND THE PATH FORWARD	9:00-9:15	28 November; 2A04	A/professor Vaughan Coffey	Dr Rashid Maqbool; Dr Amy Wei
200	Ho Hin	Chan	Integrating Innovative Technologies and Modern Methods of Construction for Sustainable Construction: A Critical Review	9:15-9:30			
247	Ali	Al-Ashwal	Exploring Housing Challenges and Needs of Older Adults in Australia	9:30-9:45			
250	Udara	Ranasinghe	Sustainability Impact Assessment in Construction Projects: Insights from Construction Research	9:45-10:00		Dr Rashid Maqbool	A/professor Vaughan Coffey; Dr Amy Wei
252	Kamal	Dhawan	Sustainable Construction Supply Chain Management: A Data-Centric Approach to Construction Logistics	10:00-10:15			
228	Paulo	Vaz-Serra	Integrating Knowledge Management and Lean Methodologies for Enhancing Construction Project Management	10:15-10:30			
260	Firesenay Zerabruk	Gigar	DEVELOPMENT OF A NOVEL SUSTAINABLE MATERIAL USING RECYCLED AND TREATED COFFEE GROUNDS FOR PARTIAL REPLACEMENT OF FINE AGGREGATES IN CONCRETE	10:30-10:45			
261	Firesenay Zerabruk	Gigar	MATERIAL RESPONSE OF SUSTAINABLE ENGINEERED GEOPOLYMER COMPOSITES SUBJECTED TO STATIC AND IMPACT LOADINGS	10:45-11:00			
174	Diya	Yan	From Hard Hats to Headsets: Enhancing Learning and Exposure through Virtual Reality (VR) Site Experience	11:15-11:30			

189	Dillip	Das	Integrating Emerging Technologies for Resilient and Adaptive Smart Built Environments: A Systems Approach to Future Urban Development	11:30-11:45	28 November; 2A04	Dr Wei-Ting Hong	Dr Yang Zou; Dr Amy Wei
235	Ayobami	Idowu	Community and Stakeholder Engagement in Achieving Carbon-Neutral School Buildings	11:45-12:00			
283	Isuru	Hettiarachige	Performance Evaluation in Construction Material Supply Chains: A Systematic Literature Review	12:00-12:15			