

GDI 2025 CONFERENCE PROGRAMME													
www.GDI2025.com													
Time	Day 1: December 1, 2025			Day 1: Venue		Day 2 & 3: December 2 & 3, 2025				Day 2 & 3: Venue			
15:30 – 16:20	Participants Arrival & Registration			Beca House 124 Halsey Street, Auckland Central, Auckland 1010		Auckland University of Technology (AUT) City Campus				55, Wellesley Street East, Auckland Central, Auckland 1010			
16:20 - 16:30	Karakia												
16:30 – 16:40	Opening Speech												
16:40 – 17:20	Welcome Address from Beca and AUT Leadership												
17:20 – 18:20	Panel Discussion: Global Alliances for a Smarter Built Future												
18:20 - 18:30	Day 1 Closing Speech												
18:30 – 19:00	Networking and Drinks												
Time	Day 2: December 2, 2025			Session Chair	Venue	Time	Day 3: December 3, 2025			Session Chair	Venue		
08:00 – 08:30	Registration + Lab Tour Booking + Networking Breakfast (Grazing Platter + Coffee) Meet the Humanoids			Prof. Ali Ghaffarian	WA 224 A&B	08:30 – 09:00	Networking Breakfast (Grazing Platter + Coffee)			Eng. Farzam Farzadi	WA 224 A&B		
08:30 – 09:15	<u>GDI2025 Opening Address</u> Professor Amirhosein Ghaffarianhoseini Professor Ali Ghaffarian Hoseini Professor Suzanne Wilkinson Eng. Farzam Farzadi Dr Mahesh Babu Purushotaman <u>Opening of "See the Invisible Exhibition"</u>					09:00 - 09:15	Keynote Prof. Frederick Marks, Academy of Neuroscience for Architecture (ANFA)						
09:15 – 09: 50	Inaugural Address Prof. Damon Salesa (Vice Chancellor- Auckland University of Technology, New Zealand)					09:15 - 09:40	Keynote Ar. Mark Abbot, New Zealand Institute of Architects (NZIA)						
						09:40 - 09:50	Q & A						
09:50 – 10:30	Group Photography & Morning Coffee Break Parallel with "See the Invisible": <i>Urban Design and Public Spaces Exhibition</i> Meet the Humanoids			WG 201		09:50 – 10:20	Morning Coffee Break + George Luc Parallel with "See the Invisible": <i>Urban Design and Public Spaces Exhibition</i>			WG 201			
10:30 - 12:30	Plenary Keynote Address			Prof. Amirhosin Ghaffarianhoseini	WA 224 A&B	10:20 - 12:35	Track E Presentations Topic: <i>Digital Transformation in the Built Environment</i> Paper IDs: 852, 395, 400, 412, 418, 439, 558, 562, 587, 849, 697				Dr Dat Doan Dr Daniel Paes	WA 224 A	
	10:30 – 11:00	Plenary Session Keynote Address Prof. Farzad Rahimian (Loughborough University, United Kingdom)					10:20 – 10:40	Driving Industrial Project Excellence Through Digital Engineering Taljaard, Anton		852			
							10:40 - 10:45	Q & A					
	11:00 – 11:30	Plenary Session Keynote Address Eng. Thomas Hyde (Beca, New Zealand)					10:45 – 10:55	Investigating the Drivers and Barriers of Adopting Safety Technology Tools for Construction Projects Osei-Kyei, Robert; Opoku, De-Graft; Kyei, Joseph		395			
							10:55 – 11:05	Digital Transformation of Material Resilience: A Machine Learning Framework for Structural Safety Ali, Mohsin; Chen, Li; Feng, Bin; Rusho, Maher Ali; Jelodar, Mostafa Babaeian		400			
	11:30 – 12:00	Plenary Session Keynote Address Eng. Andrew Eagles (New Zealand Green Building Council)					11:05 – 11:15	AI-driven Building Defect Diagnosis Leveraging Vision-Language Models Ekanayake, Biyanka; Thengane, Vishal; Kwok-Wai Wong, Johnny; Perera, Srinat; Wilkinson, Sara; Ling, Steve		412			
							11:15 - 11:25	Distributed Fibre Optic Sensing for Pipeline Integrity Management: A Comprehensive Feasibility Study Lee, Yonghwan; GhaffarianHoseini, Ali; Purushothaman, Mahesh Babu		418			
12:00 – 12:30	Leaders’ Dialogue: Transforming Knowledge into Action					11:25 - 11:35	BIM-Integrated Framework for Low-Toxicity Material Selection in Sustainable Commercial Building Design Liu, Yunxi; Pelosi, Antony; Chicca, Fabricio		439				

	12:30 – 13:30	Lunch Break Parallel with "See the Invisible": Urban Design and Public Spaces Exhibition	WG 201			11:35 - 11:45	Beyond Technology: The Human Side of Digital Transformation in Construction SMEs Bidhendi, Ali; Valenzuela, Matias Andres; Poshdar, Mani; GhaffarianHoseini, Ali	558			
		Parallel Workshop, Panel Discussion, and Industry Session				11:45 - 11:55	Mapping Relationships and Implementation Patterns of Gamification Approaches in Lean Construction Bidhendi, Ali; Tuivai, Veronic; Poshdar, Mani; Owais, Omar A.	562			
13:30 - 15:30	14:15 - 14:30	Q&A	Dr Alessandro Premier	WA 224 A		11:55 - 12:05	Exploring the Role of GenAI in SME Procurement: A Preliminary Literature Review and Future Directions Wang, Taihang; Mirzaei, Maryam; Staal, Anne	587			
	14:30 - 15:15	Industry Presentation Niel Thompson Topic: Digital Transformation in the Built Environment- What is all About				12:05 - 12:15	A Data-Driven Hybrid Framework for Assessing Disaster Resilience in Regional Energy Systems Li, Xin; Chang, Ruidong	849			
	15:15 - 15:30	Q&A				12:15 - 12:25	Shanghai's Digital Twin: A Critical Analysis of City-Scale Digital Twin Implementation, Technical... Najafi, Hossein	697			
						12:25 – 12:35	Q & A				
		13:30 - 14:15	Industry Presentation Patel, Parvati; Jowett, Glenn; Donaldson, Adam Topic: Waiora WTP Digital Asset Handover	Dr Roo Kalatehjari	WA 224 B	10:20 - 12:35	Track F Presentations Topic: Ethics, Well-being, and Digital Security in Built Environments; Intelligent Solutions for Urban and Regional Development; Energy and Environmental Systems; Advanced Construction Methods and Adaptive Technologies Paper IDs: 405, 428, 784, 457, 502, 515, 568, 574,711, 712			Dr Vu Hong Son Pham Dr Esther Aigwi	WA 224 B
		14:15 - 14:30	Q&A				10:20 – 10:30	Machine Learning-Driven Value of Sustainability Analysis for Optimizing Energy Efficiency in Smart Buildings and Infrastructure Abdul, Haq; Abdul Salam; Mutahir, Muhammad; Ahmad, Uzair; Jamal, Yaseen; Jamal;	405		
		14:30 - 15:15	Panel Discussion Prof. Terri-Ann Berry, Dr Sangeeta Karmokar, Ms Sue Ira, Ms Emma Mannion, Ms Neha John Moderator: Dr Funmilayo Egun Rotimi Topic: Women in GDI				10:30 – 10:40	Impact of Agile Methodologies Applied to Project Management in the Oil & Gas Industry in New Zealand Elizondo, Javier Osvaldo; Purushothaman, Mahesh Babu; P, Suguna	428		
	15:15 - 15:30	Q&A	10:40 – 11:00				Designing for Wellbeing: Human-Centric Lighting in Built Environment Abanda, Alix	784			
			11:00 - 11:05	Q & A							
			11:05 – 11:15	Decarbonizing Existing Buildings Under Future Climate: A Literature and Case Study Analysis of Retrofit Measures and Future Climate Modeling Methods Saah, Alvina Ekua Ntefua; Darko, Amos; Lin, Ken-Yu	457						
	15:30 - 15:50	Afternoon Coffee Break Parallel with "See the Invisible": Urban Design and Public Spaces Exhibition	WG 201			11:15 - 11:25	Beyond the Digital Inclusion: A Conceptual Framework for Digital Justice in Technology-Driven Societies Malekkhani, Atefe; Mohammadzadeh, Mohsen; Beattie, Lee	502			
15:50 - 18:10	Track A Presentations Topic: Green Built Environments Paper IDs: 453, 465, 471, 815, 436, 548, 582, 584, 586		Prof. Timothy Adekunle Dr Esther Aigwi	WA 224 A		11:25 - 11:35	Establishing Material Recovery Potential and Embodied Carbon Savings in Residential Deconstruction: A Case Study from Auckland, New Zealand Daniel JV, Levin; Berry, Terry-Ann	515			
						11:35 - 11:45	The Evolution of Temporary Appropriation in Auckland's Queen Street: A Comparative Study Using Assemblage Theory and AI-driven Analysis Lara-Hernandez, Jose Antonio; Walker, Charles; Burgess, Andrew; Gabby, Gurjot Singh	568			

	15:50 – 16:00	<i>Enhancing Green Building Performance: The role of Building-user needs and Human-centric building features</i> Kyeeru, Hilda ; Abd Razak, Diyana Syafiqah; Jack, Lynne Barbara	453				11:45 - 11:55	<i>Comparative Analysis of Ready-Mixed Concrete Dispatch Models</i> Gottam, Sahithi ; Purushothaman, Mahesh Babu; Rotimi, Funmilayo Ebum; Hoseini, Ali Ghaffarian"	574					
	16:00 – 16:10	<i>Performance-Based Selection of Residential Exterior Wall Systems for Energy Efficiency in Changsha, China</i> GUO, Zihao ; LIN, Chengkai; CHEN, Xiang; LIU, Hongcheng	465				11:55 - 12:05	<i>Comparative Investigation of onsite weather data; A case study in Auckland</i> Deependra Pourel ; Amirhosein Ghaffarianhoseini; Ali Ghaffarianhoseini; Nicola Naismith	711					
	16:10 – 16:20	<i>A Taxonomy of Localized Sustainable Development Goals</i> Awuye, Caroline	471				12:05 - 12:15	<i>Changing dynamics in built environment: a case study in Auckland</i> Deependra Pourel ; Amirhosein Ghaffarianhoseini; Ali Ghaffarianhoseini; Nicola Naismith	712					
	16:20 – 16:50	<i>Driving Decarbonisation Through Digital Innovation in Aquatic Infrastructure</i> Mannion, Emma; Blyleven, Aaron	815				12:15 - 12:35	Q&A						
	16:50 - 17:00	Q&A												
	17:00 – 17:10	<i>Understanding Stakeholders' Roles In Advancing Solar Photovoltaic Systems Adoption For Passive Houses</i> Nkado, Franklin Chukwuebuka ; Aigwi, Itohan Esther; Doan, Dat Tien; GhaffarianHoseini, Ali	436											
	17:10 – 17:20	<i>A Systematic Review of Economic Indicators and Knowledge Gaps in Sustainable Development of Local Roads and State Highways</i> Arachchige, Dilashini Wijayasundara ; Dokyi, George Okyere; Rotimi, Funmilayo Ebum	548											
	17:20 – 17:30	<i>Advancing Circular Economy in the Construction Sector: A Conceptual Review of Business Frameworks and Theories</i> Jemal, Kebir Mohammed ; Aibinu, Ajibade; Oraee, Mehran	582				10:20 - 12:35	Track G Presentations Topic: Climate Sensitive Urbanism and Adaptive Metabolisms; Smart Infrastructure and Digital Construction Ecosystems Paper IDs: 420, 461, 507, 522, 857, 523, 554, 559, 560, 640, 585						
	17:30 – 17:40	<i>Enabling a circular construction sector: how systems thinking can be a tool</i> Gajanayake, Akvan ; Weerathunghe, Chamila; Motiei, Mohana; Iyer-Raniga, Usha	584					10:20 – 10:30	<i>Green365: A Case-Based Framework for Advancing Sustainable Healthcare in Low-Resource Settings</i> Din, Toseef ; Njiraini, Nancy; Ochieng, Edward					420
	17:40 – 17:50	<i>Embodied Sustainable Procurement in Construction - A Systematic Review of Best Practices for SMEs</i> Sivakumar, Abiramy ; Piri, Imelda; Staal, Anne	586					10:30 – 10:40	<i>Transforming Urban Thresholds: A Resilient Ecosystem Approach for Marginalised Communities</i> Ayora-Talavera, Sofia; Garcia-Gomez, Carmen; Lara-Hernandez, Jose Antonio					461
17:50 - 18:10	Q&A		10:40 – 10:50	<i>Toward Scalable Indoor Temperature Prediction: A Systematic Review of Methods and Key Features for Urban Applications</i> Motamedpooya, Sepideh ; Zhang, Fan; Stewart, Rodney	507									
			10:50 – 11:00	<i>Patterning heat stress-driven demographic vulnerability in Delhi, India: A fine-grained approach</i> Ray, Mukesh ; Biloria, Nimish	522									
			11:00 – 11:20	<i>Spreading Sustainable Design Knowledge Through Digital Tools</i> Smith, Scott	857									
			11:20 - 11:25 Q & A											
			11:25 - 11:35	<i>Ergonomic Assessment Method for Construction Workers Based on Fusion of Pressure and Visual Data</i> Chen, Xinyu ; Yu, Yantao	523									
15:50 - 18:10	Track B Presentations Topic: Smart Materials and Advanced Technologies Paper IDs: 495, 496, 497, 498, 499, 525, 856, 572, 703, 728		Dr Dat Doan Dr Brian Guo	WA 224 B		11:35 – 11:45	<i>Defining Smart Airports: A Thematic Framework of Technology, Operational Efficiency and Passenger Experience</i> Srinivas, Sameer ; Purushothaman, Mahesh Babu; Ghaffarianhoseini, Amirhosein Ghaffarianhoseini, Ali	554	Dr Rehan Masood Dr Imelda Piri	WG 801				
	15:50 – 16:00	<i>Geometrical Analysis of Reciprocal Tessellations for DRSTAB System</i> Jayachandran, Surendar ; Walker, Charles; Mcmeel, Dermott				495	11:45 – 11:55	<i>Occupants as Climate Responders: Thermal Comfort in Low-Income Residential Buildings in Abuja.</i> Adaji, Michael; Adekunle, Timothy			559			
	16:00 – 16:10	<i>Geometrical Analysis of Auxetic Tessellation for DRSTAB System</i> Jayachandran, Surendar ; Walker, Charles; Mcmeel, Dermott				496	11:55 - 12:05	<i>Optimising Indoor Air Quality and Thermal Comfort in Residential Buildings: Integrating Passive Strategies and Low-Cost Monitoring Technologies in Sub-Saharan Africa.</i> Adaji, Michael; Adaji, Timothy Adekule			560			
							12:05 - 12:15	<i>Evaluating Emerging Digital Technologies for Enhancing Neighbourhood Flood Resilience</i> Vallis, Stacy Ann ; Piri, Imelda Saran; Besen, Priscila; Morrison, Ann; Burgess, Andrew			640			

	16:50 – 17:00	Assessment of the Refurbishment and Sustainability of Physical Sports Facilities in selected Universities in Southwestern Nigeria Oseghale, Godwin Ehis; Oseghale, Bridget Ovbokhan; Ehimioboh, Cosmas Oseyende; Obi, Ndudi Uche; Aigbavboa, Clinton	452				10:20 – 10:30	Built Environment, Parental Perception and Children's Outdoor Play: Cognitive Development Priya, V.P.; Suseclan, Anitha	648						
	17:00 – 17:10	Adopting supply chain network management capabilities in civil infrastructure networks – a literature review Munro, Tim; Rotimi, James; Shahzad, Wajiha	462				10:30 – 10:40	Digital Preservation of Cultural Heritage: A Spatial Analysis of Historic Neighbourhoods amid Rapid... Alex, Sona; Chandran C K, Ajai	698						
	17:10 – 17:20	Post Occupancy Evaluation of Market Housing in Auckland; Insights and takeaways Deependra Pourel, Amirhosein Ghaffarianhoseini, Ali Ghaffarianhoseini, Nicola Naismith	710				10:40 – 10:50	The Extent of Digitalization in Bid Preparation: Evidence from Built Environment Consulting Firms in South Africa Kwasafu, Oscar Kwame; Saghatforoush, Ehsan; Govender, Neil	569						
	17:20 – 17:50	Designing for Tomorrow: Climate Change Design Conditions for New Zealand's Built Environment Hamilton, Emma; Smith, Scott	859				10:50 – 11:00	Establishing a neuroarchitecture virtual reality lab for sensory design optimization and occupant wellbeing Burfoot, Megan Jane; Shojaei, Ghazaleh; Ghaffarianhoseini, Ali; Ghaffarianhoseini, Amirhosein; Singh, Umang	557						
	17:50 - 18:00	Q&A					11:00 – 11:10	A Conceptual Framework for Integrating DjMA and BIM Process in Social Infrastructure Projects Widanalage, Chathuri Lakshika; Kim, Ki Pyung	565						
	18:00 – 18:10	Q&A					11:10 – 11:20	Gender-Inclusive Mobility Strategies for Mumbai Gopalakrishnan, Vigisha	592						
10:30 - 15:30	Recorded Presentations – Session I - Paper IDs: 516,527,392,529,545,410,608,416,417,422,609,431,434,443,445,476,478,491,506,508,576,610,606,607			Dr Megan Burfoot Dr Zahra Jalali	WG 201		11:20 – 11:30	More-than Metrics: Challenging the Optimization Paradigm in AI-Driven Architecture Brand, Anthony	594						
	10:30 – 10:40	Hierarchical Generation: Generative Design of Hospital Outpatient Layouts Based on Graph Deep Learning Yue, Yang; Zhou, Ying; Xin, Yangpeng	516				11:30 - 11:40	Augmenting Urban Futures: An Interactive AR Workflow for Design, Manipulation, and Visualization Shafiei, Maryam; Anghila Mohamed, Mohamed Wahid	597						
	10:40 – 10:50	Communities under construction: Engagement and Impacts Sumesh, Sudheesha Erumakadan; Tookey, John; Dhawan, Kamal	527				11:40 - 11:50	Digital Transformation in Modern Zoos: Merging Technology, Nature-Based Environments and Ethical Principles Morrison, Ann; Viller, Stephen	601						
	10:50 – 11:00	AI - Driven Computer Vision for Personal Fall Arrest System Compliance in Steel Structure Erection Pham, Vu Hong Son; Nguyen, Hoang Dung	392				11:50 – 12:00	Challenges and Opportunities in Applications of Alkali-Activated Binders in Soil Stabilisation Bayandor, Sara; Kalatehjari, Roohollah; Adeeb Chamachaei, Yousef	419						
	11:00 – 11:10	Research on Flow-Density-Oriented Generative Design of Hospital Outpatient Department Layouts Niu, Mingyu; Zhou, Ying; Xin, Yangpeng; Zhu, Dongsheng	529				12:00 – 12:10	A Review and Conceptual Framework On Zero Carbon Building Technologies Akomea-Frimpong, Isaac; Seidu, Sakibu; Al-Ashwal, Ali; Senanu Kukah, Augustine; Jahan Tumpa, Roksana	423						
	11:10 – 11:20	Evaluating Construction Waste Management Practices in LEED-Certified Projects: A Multi-Country Study Sönmez, Nurçen; Maçka Kalfa, Sibel; Tokdemir, Onur Behzat	545				12:10 – 12:20	Optimizing Heavy Equipment Fleet Management – Equipment for Improved Construction Site Automation and Productivity Sauve, Jack; Wolgram, Thomas; Piasecki, Patrick; Weshah, Nesreen	603						
	11:20 – 11:30	The Future of Mobility: Driverless Vehicles and Speculative Urban Futures Shieh, Evan	410				12:20 – 12:30	Integrating Safety and Sustainability: Evaluating Health and Safety Challenges in New Zealand's Green Construction Practices Johns, Vineeth Baby; Purushothaman, Mahesh Babu; P, Suguna	433						
	11:30 - 11:40	Exploring the Role of BIM-based Digital Twins during the Construction Phase: Benefits, Challenges, and Practical Solutions Chea, Titchamnar; Doan, Dat Tien; Ghaffarianhoseini, Ali	608				Lunch Break Parallel with "See the Invisible": Urban Design and Public Spaces Exhibition Virtual Keynote Prof. Derek Clements- Croome (University of Reading, United Kingdom) Topic: TBC (Recorded)					WG 201			
	11:40 - 11:50	Three-Dimensional Simulation of Road Subgrade Treated Marine Soft Soil Treated with Cockle Shell Powder & Nano Silica Ngah, Mohd Nazri	416				12:35 - 13:30					492		Dr. Sangeeta Karmokar	WG 201
	11:50 – 12:00	Computer simulation model for construction delay risk assessment: A case study of high-rise composite structure Sreram, Prashanth Kumar; Tadimarri, Adesh Babu; Gudipudi, Venkata Sai Krishna	417												

	12:00 – 12:10	<i>From Segregation to Symbiosis - Biophilic Design and the Transformation of Architectural Space</i> Lu, Xiaoyu	422				13:40 - 13:50	<i>Circular Business Models in Construction: a framework for design and planning integration</i> Kanther, Shreya	501		
	12:10 – 12:20	<i>Circular Economy in Construction: Economic Perspectives on Customer Acceptance</i> Sabpaso, Khamla; Doan, Dat Tien ; Ghaffarianhoseini, Ali	609				13:50 - 14:00	<i>Investigating Multiple Frameworks and Initiatives for Improving the Condition of Women Working in the Construction Industry</i> Bassi, Sheena ; Purushothaman, Mahesh Babu; Rotimi, Funmilayo Ebun	503		
	12:20 – 12:30	<i>Seismic Protection of Legged Stainless Steel Fluid Tanks Using Magnetorheological Dampers</i> Hosseini, Ehsan ; Beskhyroun, Sherif	431				14:00 - 14:10	<i>Experimental Studies on Cost-Effective Bio-Based Filtration Media for Water Purification</i> Easwaran, Sarojini ; S, Kanchana; S.D, Anithaselvasofia	511		
	12:30 - 13:30	Lunch Break Indicative Purposes Only						<i>Applying Storytelling for Sustainable Urban Planning (From Caldas da Rainha to Auckland)</i> Erfanian Salim, Mona; GhaffarianHoseini, Ali	631		
	13:30 - 13:40	<i>Systemizing Mobility in Sacred Landscapes by ISM based Analysis</i> Bhardwaj, Abhishek ; Fazli, Mohammad Farhan; Kaushik, Hans	434				14:20 - 14:30	<i>Assessing the Carbon Footprint of Building Integrated Photovoltaics (BIPV) Façades: A Lifecycle Approach for NZEBs</i> Azeem, Aaliya; Thomas, Albert	447		
	13:40 - 13:50	<i>Supply Chain Optimisation for the Built Environment Projects in a Circular Economy</i> Sultanbekov, Kanat ; Tookey, John; Rotimi, Funmilayo Ebun; Dhawan, Kamal	443				14:30 - 14:40	<i>A systematic review of social media-based sentiment analysis in disaster risk management</i> Ilyas, Bilal ; Sharifi, Ayyoob	414		
	13:50 - 14:00	<i>Developing Urban Air Mobility for Nusantara’s Smart City Development</i> Berawi, Mohammed Ali; Sari, Mustika ; Prasetyo, Rubby Anistia; Saroji, Gunawan; Susantono, Bambang; Sari, Dharwati P.	445				14:40 - 14:50	<i>Experimental Study on Properties of Concrete with Manufactured Sand and Partial Replacement of Cement by Sugarcane Bagasse Ash</i> S D, Anitha Selvasofia; E, Sarojini ; S, Kanchana	413		
	14:00 - 14:10	<i>Critical Assessment of Industrial Slag in Soil Stabilisation</i> Anila Parakatt Albert and Roohollah Kalatehjari	478				14:50 - 15:00	<i>Exploring the Role of Generative Design in Achieving High-Performance and Sustainable Buildings</i> Rojas Marinkelle, Diego; García-López, Nelly	590		
	14:10 - 14:20	<i>Bio-Geotechnical Solutions for Sustainable Slope Stability in New Zealand: Vegetation, Natural Fibres, and Microbial Approaches</i> Rajib Kumar Barua and Roohollah Kalatehjari	491				15:00 - 15:10	<i>Evaluating Construction Project Occupancy Dates: Monte Carlo Simulations vs. Traditional Methods at the United States Army Corps of Engineers</i> Reeder, Mason; Kim, Jeffrey	454		
	14:20 - 14:30	<i>Advanced Technologies and Efficient Methods in Earthworks For Enhancing Safety and Boosting Productivity in Construction Projects - A Comparative Study of New Zealand Versus Global Practice.</i> Sharma, Tushar; Kalatehjari, Roohollah	506				15:10 - 15:20	<i>The Impact of an Eco-Feedback Dashboard on the Occupants’ Contribution Toward Sustainable Building Practices</i> Loftin, Keegan; Rahn, Keith; Kim, Jeffrey	455		
	14:30 - 14:40	<i>Emerging Roles of Geotextiles and Geosynthetics in Expansive Soil Stabilisation: A Systematic Review of Performance, Placement Strategies, and Sustainability</i> Komolafe, Adeoluwa Olorunfemi; Kalatehjari, Roohollah ; Rotimi, Funmilayo Ebun	508				15:20 - 15:30	<i>Toward an Opportunity Cost-Based Assessment of Generative Architecture: A Review of Optimization and Occupancy Studies</i> Islam, Shafiul; Jahan, Esrat	520		
	14:40 - 14:50	<i>GIS-Based Flood Risk Assessment for Sustainable Urban Planning in Auckland, New Zealand</i> Mallesh, Prem Chandan; kalatehjari, Roohollah kalatehjari ; Ebun Rotimi, Funmilayo	576				Track I Presentations Topic: Green Built Environments Paper IDs: 716,448, 473, 509,544, 547, 549, 580, 595				
	14:50 - 15:00	<i>Net-Zero Carbon Construction in New Zealand: Benefits, Barriers, and Strategies for Transition</i> Doan, Dat Tien ; Thottiparambil, Athila Parvin Pothiyil; Ghaffarianhoseini, Ali; Ghaffarianhoseini, Amirhosein	610				13:30 - 13:45	<i>Decentralised Solar Resilience</i> Paala, Kyle; Besen, Priscila; Burgess, Andrew; Tapiheroe, Yasmin; Damien.McGahan	716		
	15:00 - 15:10	<i>Exploring the Role of Biophilic Design in Shaping Sustainable Retail Environments</i> Doan, Dat Tien ; Nair, Divya; Purushothaman, Mahesh Babu; Ghaffarianhoseini, Ali; Ghaffarianhoseini, Amirhosein	606				13:45 - 13:50	Q & A			
	15:10 - 15:30	<i>Smart Meter Adoption in Buildings: Opportunities, Barriers, and Emerging Solutions</i> Doan, Dat Tien ; Thu, Aung Kyaw; Ghaffarianhoseini, Ali; Ghaffarianhoseini, Amirhosein	607				13:50 - 14:00	<i>Decarbonising New Zealand’s Residential Construction Sector Through Optimised Transport</i> Dhawan, Kamal ; Tookey, John; GhaffarianHoseini, Ali	448		
							14:00 - 14:10	<i>Characterisation of Stakeholders Involved in Sustainable Building Design and Practices</i> Poorisat, Tharaya ; Aigwi, Itohan Esther; Doan, Dat Tien; Ghaffarian Hoseini, Ali	473		
							14:10 - 14:20	<i>A KG-Augmented LLM Approach for Automated Embodied Carbon Quantification and Analysis for open BIM-based Ductwork Designs</i> XU, Yuqing ; Li, Ang; GONG, Xingbo; Kwok, Helen H.L.; Cheng, Jack C.P.	509		

Dr Robert Osei-Kyei Dr Funmilayo Ebun Rotimi	WA 224 A
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15:50 - 18:20	Track D Presentations Topic: Construction Innovation and Automation; Future-Ready Smart Cities and Urban Living Paper IDs: Ind; 458, 463, 467, 477, 521, 571, 622, 713,775			Prof. Mani Poshdar Dr Kamal Dhawan	WG 803	14:20 – 14:30	Mapping Low-Carbon Material Pathways for Urban Built Environments: A Typology-Based Embodied Carbon Analysis Rashid, Saqib; Francis, Ann; Manohar, Swathy; Thomas, Albert	544	Prof. Mani Poshdar Dr Stacy Vallis	WA 224B	
	15:50 – 16:20	Digging up the dirt on data- Real stories about getting the most from your assets and protecting your environment Tania Walsh; Sam Houghton	Ind			14:30 - 14:40	Thermal performance of Earth residential buildings in New Zealand Velayudham, Puviyarasan; Roy, Krishanu; Padinjarayil, Divya; Feng, Chong; Ghaffarianhoseini, Amirhosein; B.P Lim, James	547			
	16:20 – 16:30	Q&A				14:40 - 14:50	The Performative Edge Review: A Systematic Review for Defining Strategy to Validate the Holistic Sustainability of Future Metropolitan Coastal Landscapes Tuke-Shongwe, Sarah Luposo; Samuel Chng, Samuel	549			
	16:30 – 16:40	Critical Assessment of Industrial Slag in Soil Stabilisation Anila Parakatt Albert and Roohollah Kalatehjari	478			14:50 - 15:00	Assessing Various Parameters Influencing Visitors ' Perceptions of Satisfaction and Attraction to State Parks – A Case Study of Utah Adekunle, Timothy O	580			
	16:40 – 16:50	Digital technologies that are currently used in the construction industry: A Systematic Literature Review and Survey of Subcontracting Organisations in N Al-Kayed, Anas Azzam; Rotimi, Funmilayo Ebun; Purushothaman, Mahesh Babu; Hoseini, Ali Ghaffarian	458			15:00 - 15:10	Urban Heat Island and Heatwave Interactions in Auckland Jalali, Zahra; Qiao, Ruth; Arbabi, Roya; Ghaffarianhoseini, Amir	595			
	16:50 – 17:00	Governing Autonomous Future: A comparative analysis of policy readiness for Autonomous Vehicles in Jakarta, Indonesia and Auckland, New Zealand Pattisinai, Amanda Ristriana; Mohammadzadeh, Mohsen; Chuang, I-Ting	463			15:10 - 15:30	Q & A				
	17:00 – 17:10	Generative Design Approaches for Prefabricated Construction: Systematic Literature Review & Future Directions Aminyazdi, Seyedalireza; Ekanayake, Biyanka; Ahmadian Fard Fini, Alireza; Wong, Johnny Kwok Wai	467								
	17:10 – 17:20	Integrated transportation systems for prefabricated construction: Systematic analysis of current practices Abbasnejad, Behzad; Soltani, Sahar; Ahankoob, Alireza; SP Wong, Peter	477								
	17:20 – 17:30	Gender-Responsive Housing for Smart and Inclusive Cities Zaini, Nadia; Pojani, Dorina; Alidoust, Sara	521								
	17:30 – 17:40	Retrofitting Existing Suburbs for Enhanced Resilience: Envisioning Future Scenarios of Decentralisation and Sufficiency in Low-Density Neighbourhoods Besen, Priscila; Morrison, Ann; Vallis, Stacy; Boarin, Paola; Jensen, Magdalena; Burgess, Andrew; Yates, Amanda; Mohammadzadeh, Mohsen; Lara-Hernandez, Antonio; Piri, Imelda; Carbajal, Francisco; Paala, Kyle; Pearson, James	571								
	17:40 – 17:50	Practice-Based Innovations: A Review of Kinetic Facades and Responsive Architectural Practices Moradi, Babak; Walker, Charles; Ghaffarianhoseini, Amirhosein; Ghaffarianhoseini, Ali	622			Track J Presentations Topic: Construction Management, People, and Systems Paper IDs: 397, 468, 563, 577, 578, 579, 581, 583, 588					
	17:50 - 18:00	Development of custom TMY file based on local microclimate database, A case study in Auckland Deependra Pourel; Amirhosein Ghaffarianhoseini; Ali Ghaffarianhoseini; Nicola Naismith	713			13:30 - 13:40	Sustainable Multi-Project Scheduling: Optimizing Global Transfers and Local Constraints for Greener Construction Pham Vu Hong, Son; Luu Ngoc Quynh, Khoi	397			
	18:00 – 18:10	Spatial Configurations in Studio Learning Environments (SLE): A Systematic Literature Review Gulzar, Sania; Rahimian, Farzad; Mari, TamilSalvi; Imam, Usman	775			13:40 - 13:50	Sustainable Productivity in New Zealand Residential Construction: Role of Quality Management Kirby, Mark; Rotimi, Funmilayo Ebun; Naismith, Nicola	468			
18:10 – 18:20	Q&A			13:50 - 14:00	Validating a Whole Life Costing Framework for Residential Buildings in New Zealand: A Stakeholder-Based Evaluation Samarasekara, Herath Mudiyanseelage Samadhi Nayanathara; Purushothaman, Mahesh Babu; Rotimi, Funmilayo Ebun; Hoseini, Ali Ghaffarian	563					
15:50 - 19:30	Recorded Presentations – Session II - Paper IDs: 451, 464, 466, 474,479, 483,484, 630, 543, 415, 427, 602, 488, 513, 546, 551, 552, 575, 401, 541, 542			Dr Kamal Dhawan Dr Priscila Besen	WG 201	14:00 - 14:10	Unveiling the Role of Sustainable Procurement in Enhancing Business Models and Competitive Advantage in NZ Construction SMEs Nadzir, Muhammad Miftahun; Karmokar, Sangeeta; Staal, Anne; Dananjoyo, Radyan	577			
	15:50 – 16:00	Climate-Sensitive Biophilic Design and Urban Metabolism: A Scalable Framework for Mitigating Depression and Enhancing Well-Being in the Built Environment Katayev, Batya	451			14:10 - 14:20	Enhancing the Value Proposition of SMEs through Collaborative Partnerships: A Business Model Canvas Approach Yang, Xue; Nadzir, Muhammad Miftahun; Ekanayake, Isuru Achintha; Sivakumar, Abiramy; Wang, Taihang; Karmokar, Sangeeta; Piri, Imelda; Staal, Anne	578			

	18:50 - 19:00	Articulating the critical Barriers to successful handover and the benefits of technology adoption on the successful Handover of civil engineering projects Adekunle, Samuel; Aigbavboa, Clinton ; Akinradewo, Opeoluwa; Adekunle, Peter; Ebekozien, Andrew; Aregbesola, Tunde	401				15:00 - 15:10	Strategic Leadership for Digital Transformation: Mapping Next-Gen PM Competencies to Human-Centric Change in Construction Owais, Omar A ; Bidhendi, Ali; Poshdar, Mani; Jaafar, Kamal; Berry, Terri-Ann	589		
	19:00 - 19:10	Benefits of Employing Lean Construction Principles in Off-Site Construction Maphosa, Latty; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Tambwe, Ornella	541				15:10 - 15:20	The Role of Advanced Technologies in Promoting Early Warning Systems and Disaster Response Planning in New Zealand Aigwi, Itohan Esther ; Biju, Amal Vallamalakalayil; Nwadike, Amarachukwu Nnadozie; Poorisat, Tharaya	605		
	19:10 - 19:20	Assessing Big Data-driven design strategies in promoting the adoption of product eco-labels for achieving sustainability Masinge, Khensani; Aigbavboa, Clinton ; Adekunle, Peter; Oguntona, Olusegun; Otasowie, Kenneth	542				15:20 - 15:30	Q&A			
	19:20 – 19:30	AI-Enabled Assessment of Global Warming Potential in Construction Products via Material Data Text Embedding Similarity Vergés, Roger ; Gaspar, Kátia; Forcada, Núria; Hosseini, M. Reza	396								
15:50 – 16:35	Parallel Workshop Prof. Mani Poshdar, Fahimeh McGregor, and Ali Bidhendi Topic: From Digital Disruption to Intelligent Transformation: Using the Human-Centric Change Management Framework to Govern Digital Transformation, AI, Culture, and Organisational Change			WG 901-903		13:30 - 15:30	Track L Presentations Topic: Construction Management, People, and Systems; Advanced Design Technologies; Resilient Ground Engineering Paper IDs: 404, 449, 421, 435, 573, 476, 860, 464			Dr-Milad Moradibistouni Dr-Dat Doan	WG 803
				13:30 - 13:40	Pre-sharing, Sharing, Post-sharing: The Sharing Economy Process in the Construction Industry Rathnayake, Ishara ; Ochoa, J. Jorge; Gu, Ning; Rameezdeen, Raufdeen; Statsenko, Larissa; Sandhu, Sukhbir; Fayezi, Sajad		404				
				13:40 - 13:50	Social Barriers of Industrialized Building Adoption Soltani, Sahar ; Abbasnejad, Behzad; Weiss, Karl-Heinz; Maxwell, Duncan		449				
				13:50 - 14:00	Particle-Trail 2.0: a circular approach for advanced modular architecture fabrication Premier, Alessandro ; Davis, Michael; Mulla, Sarosh		421				
				14:00 - 14:10	See the Invisible. How generative-AI can support panoramas artists to represent spaces in a deeper way, while understanding more about “Eternal cities” Zilio, Emanuela ; Masiero Sgrinzatto, Chiara		435				
				14:10 - 14:20	Sustainable Supply Chain Management in Prefabricated Construction Masood, Rehan		573				
				14:20 - 14:30	Geotechnical Challenges and Best Practices for the Second Harbour Crossing Tunnel in Auckland: A Comparative Study with Global Projects Anjulakshmi Viswakumar and Roohollah Kalatehjari		476				
				14:30 - 14:45	The digital coauthor: Digital workflows that respect people, place and space Joe, Joshua		860				
				14:45 – 14:55	Applying the YOLO Model for Sidewalk Crack Detection Using UAV-Collected Images and Optimizing Repair Scheduling Pham, Vu Hong Son ; Le, Van Trong		464				
	14:55- 15:00	Q & A									
				15:30- 15:50	Afternoon Coffee Break Parallel with "See the Invisible": Urban Design and Public Spaces Exhibition			WG 201			
				15:50– 16:35	Technical Workshop III- Designing with the Brain in Mind: Neuroarchitecture, Hybrid Intelligence, and Contagious Trust for Designing Future-Ready Spaces Dr AttiqUr Rehman; Greg Pitcher			WA 224 A&B			
				15:50 - 18:50	Recorded Presentations – Session IV - Paper IDs: 389, 390, 398, 532, 540, 533, 534, 536, 537, 538, 539, 526, 489, 487,486, 450, 407, 493,393,485			Dr-Imelda Piri	WG 201		
					15:50 – 16:00	Barriers, Awareness, and Benefits of Energy Management Systems in Residential Buildings: A Comprehensive Evaluation Khafiso, Thabo; Adekunle, Samuel; Khumalo, Zamantungwa; Aigbavboa, Clinton	389				

			16:00 – 16:10	<i>Improving the Sustainability of Construction Projects through Green Retrofitting</i> Idowu, Ayobami Oluwaseun; Aigbavboa, Clinton ; Oke, Ayodeji; Stephen, Seyi	390		
			16:10 – 16:20	<i>Cost-Benefit Analysis of Retrofitting Educational Buildings for Carbon Neutrality in South Africa</i> Idowu, Ayobami Oluwaseun; Aigbavboa, Clinton ; Oke, Ayodeji; Aghimien, Douglas; Adekunle, Peter	398		
			16:20 – 16:30	<i>Human-Machine Interaction: Appraising the future advantages of humans over machines in the future Workplace.</i> Aigbe, fortune; Aigbavboa, Clinton ; Egbobawaye, Julius; Ayorinde, Emmanuel	532		
			16:30 – 16:40	<i>Strategies for Enhancing Psychological Well-Being in Modular Building Environments</i> Mabasa, Thembeke; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Kubjana, Lucy	540		
			16:40 – 16:50	<i>Adoption of Prefabricated Construction in the Delivery of Low-Income Housing Projects in South Africa: Daunting Challenges</i> Pheza, Nwabisa; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Ebiloma, David	533		
			16:50 – 17:00	<i>Towards Resilient Construction Designs for Sustainable Project Delivery in Developing Economies</i> Ikuabe, Matthew; Aigbavboa, Clinton ; Otasowie, Kenneth; Adekunle, Peter; Ebekozien, Andrew	534		
			17:00 – 17:10	<i>Contribution of Prefabricated Construction to Sustainability Thinking in the Delivery of Low-Income Housing Projects in South Africa</i> Pheza, Nwabisa; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Ikuabe, Matthew	536		
			17:10 – 17:20	<i>Exploring the Benefits of Public-Private Partnerships for Modular Construction Development</i> Khunou, Leah; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Adekunle, Samuel	537		
			17:20 – 17:30	<i>Barriers to Transportation Logistics Optimisation for Modular Construction in South Africa</i> Mogotsi, Tshegofatso; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Ayobami, Idowu	538		
			17:30 – 17:40	<i>Drivers for Optimizing Transportation Logistics in Modular Construction: A South African Perspective</i> Mogotsi, Tshegofatso; Aigbavboa, Clinton ; Adekunle, Peter; Otasowie, Kenneth; Ayorinde, Emmanuel	539		
			17:40 – 17:50	<i>The Role of Intergenerational Memory in Shaping the Sense of Place: A Neuroscientific Review</i> Shojaci, seyedeh Ghazaleh ; Burfoot, Megan; Ghaffarianhoseini, Amirhosein; Ghaffarianhoseini, Ali	526		
			17:50 – 18:00	<i>Impact Of Leadership on Energy Management In Complex Buildings and Data Centres</i> Senanayake, Lakmal Chaminda ; Samarasinghe, Don Amila Sajeevan; Rasheed, Eziaku; Atapattu, Chinthaka; Sutrisna, Monty	489		
			18:00 – 18:10	<i>Evaluation of a WELL Certified Adaptively Reused Historic Building: A Case Study in the US Intermountain Region</i> Ahmad, Rehab ; Adekunle, Timothy	487		
			18:10 – 18:20	<i>Heritage-Led Climate Resilience: Conservation as an Integrated Strategy for Adaptation and Mitigation</i> Medas, Benedetta	486		
			18: 20 – 18:30	<i>From Concrete Jungle to Learning Sanctuary: An Acoustic Journey in School Design</i> Tookey, Lara	450		
			18:30 – 18:40	<i>Urban Renaissance: Rethinking Metabolism in the Era of Climate Change.</i> Menichini, Daniele	407		
			18:40 – 18:50	<i>Current Trends in Sustainable Construction Technologies and Green Building Materials for Affordable Housing: Insights from a Bibliometric Review</i> Phiri, Grace Sitima ; Al-Obaidi, Karam M.; Stephen, David O.; Oldfield, Joanne	493		

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