

WBC2025

Online schedule v3 (this is a draft schedule, times may change)

DAY	TIME	VIRTUAL ROOM 1			VIRTUAL ROOM 2			VIRTUAL ROOM 3			VIRTUAL ROOM 4			VIRTUAL ROOM 5		
		SESSION#	SESSION THEME	# of Papers	SESSION#	SESSION THEME	# of Papers	SESSION#	SESSION THEME	# of Papers	SESSION#	SESSION THEME	# of Papers	SESSION#	SESSION THEME	# of Papers
DAY 1: MONDAY	7:00-8:00															
MAY 19	19:00-20:00	ON-1	SDG 11	3	ON-2	SDG 3	3	ON-3	W102	2	ON-4	W113	3	ON-5	W115	3
DAY 2: TUESDAY	7:00-8:00	ON-6	W070	3	ON-7	W099	4	ON-8	W107	4	ON-9	W120	4	ON-10	W096	4
MAY 20	19:00-20:00	ON-11	W070	2	ON-12	MISC	4	ON-13	SDG 9	4	ON-14	TG96	3	ON-15	W069 + W104	4
DAY 3: WEDNESDAY	7:00-8:00	ON-16	TG124	3	ON-17	W078	3	ON-18	W123	4	ON-19	W065	4	ON-20	W116	4
MAY 21	17:45-18:45	ON-21	TG124	3	ON-22	W078	3	ON-23	W123	4	ON-24	W065	3	ON-25	W116	4
DAY 4: THURSDAY	7:00-8:00	ON-26			ON-27			28			29			30		
MAY 22																
		85	14		17			18			17			19		

Theme is Working Commission/ TG  
 Theme is SDG  
 miscellaneous papers - no unified theme (various WC/TGs)

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Day 1

Session #	Category	MS #	WG/TG	SDG	Title	Author 1		Author 2		Author 3		Author 4		Author 5	
-	-														
1	SDG 11	2006	TG88	SDG11	Building Sustainable Cities and Communities: Contribution of Digital Twins to a Sustainable Built Environment	Ahmad	AL Ayoubi	Ashtarout	Ammar	Hisham	Abou Ibrahim				
		1774	W040	SDG11	Interpretable modelling of greenhouse environment through SINDy approach	Hanyu	Zhou	Yifan	Ding	Chang'an	Liu	Hongyi	Wang		
		1446	W101	SDG11	Evaluation of Solar Adaptability in Transit Station Areas: A Comparative Case Study of Tokyo and Hong Kong	Yufei	Liu	zhu	yuan						
-	-														
2	SDG 3	1890	W098	SDG3	A Transformer-based Semi-Supervised Learning for Occupant Feedback Evaluation	Min Jae	Lee	Ruichuan	Zhang						
		1724	W089	SDG3	The Exploring of the Importance of Indoor Environmental Factors in University Educational Spaces Based on Participants' Psychology	Hanyu	Zhou	Zhaozhe	Yang	Wenchang	Wang	Chang'an	Liu	Yifan	Ding
		1928	W121	SDG3	Evaluating Workers' Well-being in Off-site Construction Facilities	Sena	Assaf	Mohamed	Assaf	Ahmed	Boufergue	Mohamed	Al-Hussein		
-	-														
3	W102	2046	W102	SDG17	Preliminary Proposal for a Knowledge Management System in a Brazilian Construction Company, Based on ISO 30401 Requirements	Juan	Otoya	SILVIO	MELHADO						
		1095	W102	SDG11	Socio-Sustainable Architectural Design Through Ethical Implementation of Generative Design and Artificial Intelligence	Yael	Netser	Erica	Cochran H	Pingbo	Tang				
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4	W113	1733	W113	SDG16	Four Futures One Solution for a Sustainable Reduction in Construction Delay and Disruption Disputes by 2030	Vasil	Atanasov								
		1734	W113	SDG16	Construction Delay Disputes: a Model for a Reduction in the Escalation of Technical and Factual Disagreements	Vasil	Atanasov	Harry	Hussey						
		1871	W113	SDG16	Investigating the Causes of Escalation of Disagreements over Delay Assessments	Vasil	Atanasov								
-	-														
5	W115	1792	W115	SDG12	Supply Management System in Ready-Mixed Concrete Companies: Evidence from Turkey	Befrin	Bingol	David	Arditi						
		1900	W115	SDG11	Enhancing the Practice of Sustainable Construction Materials in the Construction Industry of Developing Countries	Henok	Hailu								
		1838	W115	SDG 9	Life Cycle Assessment of the Decarbonisation Opportunities of a Brick Manufacturing Facility in Australia	Benjamin	Gazeau	Liliane	Klemann	Atiq	Zaman	Alessandro	Pereira		

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Day 2

Session #	Category	MS #	WG/TG	SDG	Title	Author 1	Author 2	Author 3	Author 4	Author 5	Author 6	Author 7	Author 8
6	W070	1776	W070	SDG12	Energy Consumption Intensity Indicators and Sustainability Benchmarking in the Hotel Industry: Perceptions of Stakeholders in the DACH Region	Alexander Schick	Alexander Redlein						
		1846	W070	SDG9	Transition from a linear information model to a circular information model - A deep dive into the "state of the art" for circular data models in public parts of the construction industry in Norway	Håkon Gissinger	Nora Johar Klungseth						
		2062	W070	SDG11	Sustainability in Construction Projects During Budgetary Restrictions: A Case from Norwegian Higher Education	Truls-Pette Tofting	Nora Johar Klungseth	Renate Holloiekk					
11	W070	1039	W070	SDG9	Developing a Smart Retrofitting Decision-Making Model for Office Buildings: A Case Study	Sanduni Peiris	Joseph Lai	Mohan Kumaraswamy					
		2102	W070	SDG 9	Computer Vision-based YOLO11 for automated damage assessment of public building roofs supporting maintenance management	Allison Silva	Wallisson Oliveira	Pedro Braga	Luara Fernandes	Dayana Costa			
7	W099	1960	W099	SDG3	Mental Health in Construction 4.0: Enhancing Workplace Social Support Through Prefabrication	Huey Wen Lim	Xiao Ma						
		1660	W099	SDG3	Sustainable Workforce Health: Exoskeleton Effects on Posture and Performance in Repetitive Lifting for Labor-intensive Industries and Construction	Mohamad Al-Khiami	Søren Lindhard	Søren Wandahl					
		1976	W099	SDG3	Analysis of Three Decades of Research in Road and Highway Work Zones Using Bibliometric Methods	Patrick ZOU	Wenxiu Guo						
		1865	W099	SDG3	AI-based Safety Training Systems for Hispanic Workers in Construction	Gulzhanat Akhanova	Chien-Ho Ko						
12	MISC	1797	TG91	SDG13	Barriers to financing climate change actions in infrastructure projects in Ghana	Isaac Akomea-Frimpong	Amma Agyekum	Taden John	Alexander Amoakwa	Comfort Kedjah			
		1184	W122	SDG17	Mapping Public-Private Partnerships with Smart Retrofitting in Built Infrastructure Facilities: A Bibliometric Analysis and Systematic Review	Nimesha Jayasena	Sanduni Peiris	Daniel Chan	Mohan M. Kumaras	Joseph H. Lai			
		1711	W055	SDG8	A conceptual framework for measuring productivity and performance in industry 5.0: A built environment perspective	Godfrard John	Kasun Gomis	KELECHI BABATUNDE					
		1879	W055	SDG 9	Construction Company Insolvencies: State-of-the-Art Review	Dennis Jayan	Niluka Domingo	Ravindu Kahandawala	Suzanne Wilkinson	Priya Vishnu	Inoka Gamage		
8	W107	1057	W107	SDG9	Experimental Study of Adhesive and Metal-Free Laminated Timber Products Made of Uruguayan Pine	Gastón Bruzzone	Daniel Godoy	Stephany Arrejuria	Sebastián Quagliotti	Silvia BÖthig	Laura Moya		
		1703	W107	SDG12	The Adoption of the Circular Economy by Small and Medium Sized Enterprises in the Pakistan Construction Sector	Khurram Iqbal Khan	Roger Flanagan						
		1749	W107	SDG11	Conversion of Existing Buildings to Green in Developing Economies: A Preliminary Study for Sri Lanka Focusing on Challenges and Policies	U. G. D. Madushika	Weisheng Lu						
		2067	W107	SDG11	Implementing green construction to increase competitiveness: a case of the Indonesian local construction industry	Debby Willar	Bambang Trigunarsy	Steve Supit	Novatus Senduk				
13	SDG 9	2142	W117	SDG9	The Best Value Approach 4.0 - Advanced Air Mobility Case Study	Jacob Kashiwagi	Joseph Kashiwagi	Alfredo Rivera					
		1881	W116	SDG 9	A Systematic Review on Sustainable 3D Concrete Printing: Opportunities and Challenges	Anjalee Wijethunga	Don Samarasin	An Le	Akvan Gajanayak	Chinthaka Atapattu			
		1080	W116	SDG9	Benchmarking International Best Practices for Circular Skills Training: Lessons for Australia	Olabode Ogunmakin	Ashkan Memari	Masoud Aghajani					
		2035	W116	SDG9	Is Construction Material Science Lagging Other Industries?	Matt Stevens	Alan Todhunter	Laura Almeida	Anthony Butera				
9	W120	1061	W120	SDG11	Enhancing Disaster Resilience: A Review of Public-Private Partnership Models for Secondary Hazard Risk Transfer	Olabode Ogunmakin	Temitope Egbelakin						
		1384	W120	SDG11	Integrating Flood-Resistant Design and Construction Strategies in Sustainable Homes in the Central Valley: Effective Approaches for New and Existing Structures	Matthew Gomes	Vivien Luo	Manideep Tummalapudi					
		1518	W120	SDG11	Strategies for Mitigating the Challenges of Post-Disaster Reconstruction Projects: A Systematic Literature Review	Alexander Omoraka	Temitope Egbelakin	Sittimont Kanjanabootra					
		2042	W120	SDG9	Impacts of Natural Disasters on the Construction Industry: Contractors' Perspectives	Elrashid Elkhidir	Suzanne Wilkinson	Regan Potangaroo					
14	TG96	2132	TG96	SDG 7	A comprehensive approach to strategic Research & Innovation development: The case of the European Construction and Built Environment sector	Sylvain Kubicki	Alain Zarli	Clémentine Coujard					
		1567	TG96	SDG 9	Life Cycle Assessment and Cost Evaluation of Sustainable Production Technologies: A Parametric Approach for Complex Geometries in Architectural Design	Valentina Casarini	Simona Bovi	Alberto Speroni	Andrea Gic Mainini	Francesco Pittau	Matteo Cavaglia	Juan Blanco Cac	Tiziana Poli
		2022	TG96	SDG9	Indigenous Engagement Role in Sustainable Pipeline Construction: Canadian Insights	Haroun Elyasir	Iyad Al Hasan	Ahmed Hammad					
10	W096 + W069	1876	W096	SDG9	Efficient Accessibility Analysis in Floor Plans Using Semantic Segmentation	Haolan Zhang	Ruichuan Zhang						
		1997	W096	SDG11	Integrating circularity in the design of future-proof retail spaces	Juan Pablo Garrido	Claudio Martani	Nazly Atta	Cinzia Talamo	Giancarlo Paganin			
		1906	W096	SDG11	Research on renewal strategy of residential buildings with light environment optimization under the guidance of rural traditional construction techniques - A case study of Matou Village of China	zhu yuan	zhenyi wang						
		2066	W069	SDG11	Sustainable healthy communities: the contested role of 'region' in the housing development sector	Graeme Larsen	Ange Lee	Megi Zala					
15	W069 + W104	1762	W104	SDG12	Global Stakeholder Perceptions of Circular Building Adaptability, Open Building Methodology and Mass Timber Construction: A Qualitative Study	Paul Kremer	Ron Wakefield	Alireza Ahankoob	Behzad Abbasnejad				
		1971	W104	SDG9	Further discussion on the Open Building of Beijing No. 1 Thermal Power Plant at the Environmental, Social, and Governance Levels	Yitong Wang	Wen Ouyang	Zrui Wang					
		1967	W104	SDG 11	Research on the Protection of the Castle-type Villages of Ming-Dynasty Great Wall in Tangjing District of Beijing	Wen Ouyang	Wanrong Chen	Zuozheng Shi					
		1966	W104	SDG 11	Research on the adaptive design of commercial farmhouses from the perspective of rural revitalization: A case study of Yanqing District, Beijing	Wen Ouyang	Hanshi Dou	Zuozheng Shi					

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Day 3

Session #	Category	MS #	WG/TG	SDG	Title	Author 1	Author 2	Author 3	Author 4	Author 5	Author 6						
16	TG124	1926	TG124	SDG13	Impact of Modeling Simplification on Energy Simulation Speed and Accuracy Considering Climate Change: A Case Study of a Dormitory Building	Yasaman	Dadras	Farzad	Mostafaza	Miroslava	Kavgc						
		1614	TG124	SDG9	Residential Heating System Upgrade Towards a Net-Zero Energy Building: A Case Study in California	Koray	Kaya	Bitu	Astaneh A	Farnaz	Ganjelzadeh						
		1769	TG124	SDG11	Landfill Waste Diversion in Residential Projects in New Zealand	Nguyet	Tong	Niluka	Domingo	An	Le						
21	TG124	1562	TG124	SDG11	Integrating User Adaptation and Retrofit Strategies for Overheating Mitigation in Energy-Poor Buildings under Climate Change Scenarios	Greta	Grandi	Andrea G	Mainini								
		2133	TG124	SDG9	Site Selection of Low Carbon Data Center	Yu-Hsing	Lu	Luh-Maan	Chang								
		2104	TG124	SDG12	Energy: From Efficiency to Sufficiency	Laura	Almeida										
17	W078	1654	W078	SDG9	The Use of 4IR by Architects in Prevention of Pre-Construction project delays in South Africa	Linda	Akoth	Saidi	Finzi	Rebecca	Alowo	Musonda	Innocent				
		1697	W078	-	Lean Digital Management for Production Control	Kevin	McHugh										
		1726	W078	SDG11	Identifying Uncertainty in Interpreting Building Regulations through Conservative, Pragmatic, and Romantic Perspectives	Peter	Nørkjær G	Judith	Fauth	Eilif	Hjelseth	Mouloud	Messaoud	Jonas	Pedersen	Nawari	Nawari
22	W078	2099	W078	SDG9	A Conceptual Framework for Intelligent Scaffolding Monitoring System	Xiaowei	Wang	Chien-Ho	Ko	John A	Haug						
		2096	W078	SDG11	A user-centric approach in BIM environments for energy efficiency, indoor comfort assessment and renovation planning	Andrea G	Mainini	Martina	Signorini	Sonia	Lupica Spa	Markku	Kiviniemi	Kostas	Tsatsakis	Bruno	Daniotti
		1940	W078	SDG9	A Review of Supply Chain Dynamics of 3D Concrete Printing Construction Practice	Jiayue	Ma	Don	Samarasing	James	Rotimi	Kelvin	Zuo				
18	W123	1125	W123	SDG3	Health and Safety Perceptions of Construction Workers in Denmark	Cristina	Toca Pérez	Malik	Nome	Lorenzo	Loyola	Melisa	Ergul	Stephanie	Salling		
		1613	W123	SDG8	The Role of Personality Assessments (PAs) in the Architecture, Engineering, and Construction Industry	Joshua	Wilkinson	Yupeng	Luo	Wei	Wu	Brad	Hyatt				
		1782	W123	SDG5	Strategies that Enhance the Retention of Women in the Architecture, Engineering and Construction (AEC) workforce: An International Review	Thandeka	Makhathin	Clinton	Aigbavboa								
		1767	W123	SDG 3	Effects of Dormitory Design Factors on Migrant Workers' Mental Health in Singapore	Tianxiang	Lan	Yang Mian	Goh	Hanxiao	Wang	Xinping	Hu				
23	W123	2125	W123	SDG5	Driving Gender Diversity in Construction: Mapping Existing Policies Through the Behavioral Change Wheel Framework	Ruwini	Edirisinge	Bimali	Rathnayake								
		1575	W123	SDG9	Analyzing Employment Disparities in Construction Science & Management (CSM) Graduates for Specialty Trade Contractors (STC)	Vivek	Sharma	Dhaval	Gajjar	Stuti	Garg	Adam	Hoots	Gopika	Viswanathan		
		1953	W123	SDG3	Comparing Stressors and Stress among Diverse Foreign Ethnic Minority Workers Groups in the Construction Industry	Khurshed	Ahmed	MEI-YUNG	LEUNG	Wenqian	Yang						
19	W065	1655	W123	SDG8	The Influence of 4IR on Human Factors in Construction Health and Safety in South Africa	Isabella	Chandi	Musonda	Innocent	Rebecca	Alowo						
		1665	W065	SDG12	Corporate Social Responsibility assumed by Chinese International Construction Companies: Heterogeneities, Causes, and Evaluation	Hui	Guo	Weisheng	Lu								
		1707	W065	SDG17	Integrated Project Delivery and its Use in Construction	Steven	Iwankovits	Raed	Jarrah								
		1982	W065	SDG9	Comparing BIM Implementation Strategies: Outsourcing Consultants vs. In-House Team Formation	Luigui	Morales	MARTIN	RAMOS	Danny	Murguia	Andrea	Braul				
24	W065	1799	W065	SDG9	Unveiling the Untapped: Extracting Tacit Knowledge from Experienced Construction Workers through Visual Attention Interfaces	Patrick S.W	Fong										
		1700	W065	SDG3	Ethical Risks of Human-Robot Interaction in the Construction Industry: A Systematic Review	Liyang	Wang	Wenqi	Li	Botao	Gu	Nan	Li	Dongping	FANG		
		2082	W065	SDG3	Optimizing Responsive Hospital Operations: A New Process for Simulating Uncertain Treatment Demand	Jiaqi	Suo	Claudio	Martani	Hazar	Dib						
20	W116	1292	W065	SDG9	Location-Based Work Sampling: Application and Evaluation for Workflow Issue Identification	Tobias	Fiirgaard	Malik	Nome	Cristina	Toca Pérez						
		1173	W116	SDG11	Designing and Prototyping a Smart Upper-Limb Exoskeleton for Enhancing Wellbeing and Productivity in Construction	Alireza	Moghayed	Carlos	Cifuentes	Marcela	Munera	Mohamme	Sarajchi				
		1825	W116	SDG4	Exploring the Performance Trends in LEED-Certified Schools in Massachusetts: Analyzing Scorecards for Sustainability Insights	Jung Hyun	Lee	Bilge	Celik	Shaghayeg	Kurzinski	Amine	Ghanem				
		1818	W116	SDG11	Sustainability in Valuation: Emerging AI-Driven Real Estate Approaches	Mihaela	Meslec	Isabelle	Wrase	Matthias	Haase						
		2049	W116	SDG11	A Review of Passive Building Research: Energy Performance Influencing Factors, Research Trends and Future Directions	Patrick	Zou	Hui	Tian	Ji	Bian	Xiaoxiao	Xu	Linna	Geng		
25	W116	1659	W116	SDG11	Machine learning for the prediction of rework in green buildings	AbdulLate	Olanrewaju										
		2032	W116	SDG11	Identification of Residents' Engagement Profiles in the Sponge-style Old Community Renewal through Cluster Analysis: A Case Study of Shanghai, China	Tiantian	Gu	Xuanran	Yi	Hongtu	Yan	Fan	Zhang				
		1790	W116	SDG11	Assessing AI Techniques for Precision in Property Valuation: A Systematic Review of the Four Valuation Methods	Wajhat	Ali	Don	Samarasing	Zhenan	Feng	James	Rotimi				
		2000	W116	SDG11	Integration Gaps and Dilemmas in Mobility Platforms: An Empirical Study in Norway	Aashish	Adhikari	Alenka	Temeljoto	Mahgol	Afshari	Agnar	Johansen				