

The 8th International Conference on Built Environment in Developing Countries (ICBEDC 2024)

3rd September 2024

Parallel Sessions (Online)

PARALLEL - O1 [09.00 am - 10.40 am]					
Venue (for Chairperson): IT Lab 1					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mf4a35acaab78df9900c9a05a2216de52					
Chairperson: Ts. Dr. Jestin Nordin, Universiti Sains Malaysia					
Theme: Architectural Design					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	142 - 165	Chengcheng Zhao	Noraziah Mohammad, Nik Lukman Nik Ibrahim, Nor Haslina Ja'afar	Assessment of Ventilation Performance and Thermal Comfort in Semi-open Spaces of Naturally Ventilated Traditional Dwellings in the Tai Lake Area, China	09.05 am - 09.20 am
2.	214 - 226	Mohammed Al-Dalal	Ahmad Fikri Mustaffa, Ali Karaki	Phase Change Material for Improving Building Thermal Comfort in Kurdistan	09.20 am - 09.35 am
3.	229 - 242	H.T. Fachrudin	M.D. Lubis, Rahmi Karolina, Yulesta Putra, Ahmad Sanusi Hassan, Aisyah Salsabila, Arif Al Farisyi	Smart Building System Integration: Optimising Energy Efficiency with the Application of Biophilic Architecture	09.35 am - 09.50 am
4.	236 - 259	Furry Andini Wilis	Dewi Larasati	Drivers for Implementing Green Building Concept to Vertical Housing Construction in Indonesia Based on Stakeholder Perspective	09.50 am - 10.05 am
5.	257 - 291	You Chen	Nooriati Taib	Effect of Number of Glass Layers on the Thermal Performance of Windows	10.05 am - 10.20 am
6.	257 - 289	You Chen	Nooriati Taib	Glazing Performance for Human Thermal Comfort: Systematic Literature Review and Bibliometric Quantitative Analysis	10.20 am - 10.35 am

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PARALLEL - 02 [09.00 am - 10.40 am]					
Venue (for Chairperson): IT Lab 2					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=ma074c1a89ac288c2eb01bd795280deb6					
Chairperson: Dr. Nurul Sakina Mokhtar Azizi, Universiti Sains Malaysia					
Theme: Digital Transformation in Construction					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	014 - 011	Wangjiao	Khoo Terh Jin, Muneera Esa, Sun Hui	Factors Affecting the Implementation of the Digital Twins in the Construction Industry: An Interpretive Structural Modelling Analysis	09.05 am - 09.20 am
2.	014 - 026	Wangjiao	Khoo Terh Jing, Muneera Esa	Analysis of the Antecedents and Comprehensive Impacts of the Implementation of Digital Twin in China's Construction Industry: An FsQCA and NCA study	09.20 am - 09.35 am
3.	067 - 063	Yao Hongyu	Radzi Ismail, Khoo Terh Jing, Gao Wenshang, Li Jie	Impact of BIM Technology in Enhancing the Quality Control of Project Management in China	09.35 am - 09.50 am
4.	166 - 160	Praveena Munianday	Muneera Esa, Yew Yee Fang	Drivers for Digital Twin Adoption in Malaysian Construction Industry	09.50 am - 10.05 am
5.	192 - 191	Mohd Khairul Amri Ramly	Syafizal Shahrudin	Exploring Competency in Organisational Building Information Modelling (BIM) Environments: Architects' Experiences and Perspectives	10.05 am - 10.20 am
6.	211 - 225	Aliu Abdulmalik Adozuka	Nor Rima Muhamad Ariff, Sheikh Ali Azzran Sh Said, Dah John, Divine Senanu Ametefe	Adopting Systematic Review in Conceptual Digital Maturity Modelling: A Focus on Facilities Management Sector	10.20 am - 10.35 am

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PARALLEL - 03 [09.00 am - 10.40 am]					
Venue (for Chairperson): BIM Lab					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mb17ef520b88ac4bea374976f54e3373a					
Chairperson: Associate Professor Sr. Dr. Ruhizal Roosli, Universiti Sains Malaysia					
Theme: Urban Planning					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	021 - 015	Zhaojing	Shida Irwana Omar	Study on the Coupled and Coordinated Development of Tourism Economy and Ecological Environment in Chengdu City	09.05 am - 09.20 am
2.	061 - 054	Cui Heng	Nor Zarifah Maliki, Wang Yaqian	Important Park Features for Encouraging Social Interaction of Older Adults	09.20 am - 09.35 am
3.	068 - 064	Anisatu Nadhiroh	Syamsul Bachri, Sumarmi, Mohamad Mambaus Suud, Syafrida Selfiardy	Place Attachment's Impact on Migration Pattern of Bumi Semeru Damai Resettlements Survivor	09.35 am - 09.50 am
4.	100 - 121	Gao Qunying	Nor Fadzila Abdul Aziz	Ecological Sensitivity Evaluation Based on GIS: A Case Study in Hengshui, China	9.50 am - 10.05 am
5.	134 - 117	Nor Syuhada Zulkefli	Mastura Jaafar, Suhaida Herni Suffarruddin	Small and Medium-sized Accommodation Businesses Reaction toward Government Initiated Support Programmes in Perhentian Island.	10.05 am - 10.20 am
6	235 - 256	Cong Tao	-	The Needs of Visually Impaired Individuals in Urban Planning: Constructing a More Inclusive Spatial Cognition Environment	10.20 am - 10.35 am

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PARALLEL - 04 [09.00 am - 10.40 am]					
Venue (for Chairperson): IT Lab 3					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=m65f1f82c632be41796d8dad94b8fca40					
Chairperson: Dr. Izyan Yahaya, Universiti Sains Malaysia					
Theme: Heritage and Conservation					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	071 - 069	Chai Ye	Nor Arbina Zainal	Navigating Urban Heritage Conservation in Historic Districts of Dalian City " Insights from Regional Cultural Experiences	09.05 am - 09.20 am
2.	113 - 212	Niu Liu	Diana Mohamad	Unraveling Tourists' Perceptions Towards Conservation of the UNESCO-listed Mogao Caves: A Network Text Analysis	09.20 am - 09.35 am
3.	143 - 307	Zhou Chunran	Mohamad Reza Mohamed Afla	Analyzing Rural Landscape Characteristics Using Online Platforms: A Case Study of Chengzi Ancient Village in Luxi, Yunnan, China	09.35 am - 09.50 am
4.	167 - 163	Wu Meili	Syarmila Hany Haron	The Adaptability of Traditional Commercial and Residential Building Spaces to Confucian Business Culture in Shandong, China	09.50 am - 10.05 am
5.	196 - 300	Ting Ma	Zuraini Md Ali, Hazrina Haja Bava Mohidin	Architectural Heritage Conservation in a Multicultural Landscape: The Case of Chan She Shu Yuen Clan Ancestral Hall in Kuala Lumpur	10.05 am - 10.20 am
6.	272 - 311	Ma Yuancheng	Ruhizal Roosli	Adaptive Reuse of Historic Heritage Buildings in Guangzhou: Rethinking Sustainable Development through Case Studies	10.20 am - 10.35 am

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PARALLEL - O5 [11.00 am - 12.40 pm]					
Venue (for Chairperson): IT Lab 1					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mf4a35acaab78df9900c9a05a2216de52					
Chairperson: Dr. Muhammad Hafeez Abdul Nasir, Universiti Sains Malaysia					
Theme: Urban Planning					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	001 - 100	Zhang Can	Massoomah Hedayati Marzbali	The Mediating Role of Place Attachment in the Relationship between Authenticity and Loyalty in Traditional Villages	11.05 am - 11.20 am
2.	008 - 017	Cheng Jiaxin	Mastura Jaafar	Impact of the COVID-19 Pandemic on World Heritage Site: A Case Study of the Old Town of Lijiang in China	11.20 am - 11.35 am
3.	013 - 013	Ala Keblawi	Khaled Al-Sahili, Nur Sabahiah Abdul Sukor, Ahmad Farhan Mohd Sadullah	Assessment of Bus Productivity Level and Restructuring Scenarios in the West Bank, Palestine	11.35 am - 11.50 am
4.	021 - 014	Zhaojing	Shida Irwana Omar	Examining the Effects of Perceived Value on Behavioural Intention of Green Tourists in Hulunbuir Grassland, China	11.50 am - 12.05 pm
5.	051 - 058	Maharani Oktavia	Syamsul Bachri, I Komang Astina, Sumarmi, Sugeng Utaya	Cultural Heritage Tourism in Palembang City, South Sumatra Indonesia: Is It Managed in a Sustainable Manner?	12.05 pm - 12.20 pm
6.	212 - 223	Muhammad Hafiz Abd Razak	Sharif Shofirun Sharif Ali, Mohamad Sukeri Khalid	Evaluate the Effectiveness of Participatory Planning Approaches in Engaging Local Communities in the Urban Planning Process and Fostering Inclusive Decision-Making and Social Cohesion. Case Study: The Penang Model	12.20 pm - 12.35 pm

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PARALLEL - 06 [11.00 am - 12.40 pm]					
Venue (for Chairperson): IT Lab 2					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=ma074c1a89ac288c2eb01bd795280deb6					
Chairperson: Dr. Zul Zakiyuddin Ahmad Rashid, Universiti Sains Malaysia					
Theme: Innovative Management in Built Environment					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	102 - 095	Samiya Abdullah Sulaiman Al-Qayoudh	Ernawati Mustafa Kamal, Ilias Said	Improving Total Quality Management (TQM) Implementation at the University of Technology and Applied Sciences (UTAS) in the Sultanate of Oman	11.05 am - 11.20 am
2.	118 - 108	Shi Yee Wong	Pei Xuan Chin, Wai Wah Low, Sing Sing Wong, Prescilla Palis	Factors Affecting Green Supply Chain Management Implementation in Construction Industry: Perspective of Contractors	11.20 am - 11.35 am
3.	205 - 215	Fara Diva Mustapa	Farah Kamilah Zainuddin, Muzani Mustapa, Koh Fung Chieng	An Assessment of Malaysian Property Development: The Cost Components and the Economic Activities	11.35 am - 11.50 am
4.	246 - 310	Zulhadi Sahputra	Dewi Larasati, Aswin Indraprastha	Investigation Model of Knowledge Assets on Tectonics of Rumoh Aceh Based on Explicit and Tacit Knowledge: A Study Protocol	11.50 am - 12.05 pm
5.	260 - 294	Agustinus Adib Abadi	Heru Wibowo Purbo, Adhitya Rizky Isnandya, Tri Yuwono	Balancing Acts: Promoting Affordable Housing in Jakarta's TODs through Public-Private Partnership	12.05 pm - 12.20 pm
6.	270 - 304	Md Maksudul Islam	Yong Siang Lee, Rahimi A. Rahman, Syafizal Shahrudin	Barriers for Implementing Circular Economy in the Construction Industry of Bangladesh: Engineer Perspective	12.20 pm - 12.35 pm

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PARALLEL - 07 [11.00 am - 12.25 pm]					
Venue (for Chairperson): BIM Lab					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mb17ef520b88ac4bea374976f54e3373a					
Chairperson: Dr. Nor Zarifah Maliki, Universiti Sains Malaysia					
Theme: Urban Planning					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	076-078	Zilvina.B	Sumarmi, Syamsul Bachri, Didik Taryana, Halim Fortuna	Sustainable Conservation of the Silokek Geopark Area to Become a Leading Tourist Destination in West Sumatera Indonesia	11.05 am - 11.20 am
2.	078 - 075	Mutiasari Kurnia Devi	Miming Miharja, Alhilal Furqan	What is the Role of Sub-National Authorities in Public Transport Policy? " A Multi-Level Governance Perspective	11.20 am - 11.35 am
3.	093 - 168	Ziyi Han	Nor Haslina Ja'afar, Mohd Iskandar Abd Malek, Norsafiah Norazman	Investigating the Sense of Place Towards Urban Waterfronts: A Pilot Study in Jinan City, China	11.35 am - 11.50 am
4.	157 - 150	Yaqian Wang	Nor Fadzila Aziz, Heng Cui	The Influence of Campus Built Environment Characteristics on Walking Behavior Among Students	11.50 am - 12.05 pm
5.	258 - 328	Huang Menglan	Nor Fadzila Aziz, Shen Huaheng, Yan Yuke, Liu Jiali, Zhao Huiqian	The Relation Between Urban Park Landscape Perception and Place Attachment of Residents in Park City, China	12.05 pm - 12.20 pm

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PARALLEL - 08 [11.00 am - 12.40 pm]					
Venue (for Chairperson): IT Lab 3					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=m65f1f82c632be41796d8dad94b8fca40					
Chairperson: Dr. Christopher Heng Yii Sern, Universiti Sains Malaysia					
Theme: Digital Transformation in Construction; Innovative Management in Built Environment					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	103 - 096	Salmiah Aziz	Siti Maryam Sharun, Khairul Rijal Wagiman, Muhammad Akmal Remli, Taib Ibrahim, Mohd Rofdzi Abdullah, Siti Nuratirah Che Mohd Nasir, Mohammed Fadzli Maharimi, Nik Siti Fatimah Nik Hassin	Advancing Biocentric Architecture through Smart Building Applications	11.05 am - 11.20 am
2.	014 - 110	Wangjiao	Khoo Terh Jing, Muneera Esa, SunJiaChen	The Impact of Digital Technology Applications on Construction Industry Project Performance	11.20 am - 11.35 am
3.	126 - 112	Sun Jiachen	Khoo Terh Jing, Atasya Osmadi, Wang Jiao, Sun Hui, Zhang Xiaolu	Digital Technology in Reducing Carbon Emissions in the Construction Industry: A Systematic Literature Review	11.35 am - 11.50 am
4.	126 - 148	Sun Jiachen	Khoo Terh Jing, Atasya Osmadi, Deng Bin, Lu Shihua, Zhang Xiaolu	Artificial Intelligence in Reducing Carbon Emissions in the Construction Industry: A Systematic Literature Review	11.50 am - 12.05 pm
5.	227 - 243	Apif M. Hajji	Dian Ariestadi, Whildan R. Yusriawan	The Analysis of Building Thermal Comfort based on Air Flow Pattern by Using SIMSCALE Simulation	12.05 pm - 12.20 pm
6.	299 - 349	Nisa Farzana Mohd Zuki	Iffah Syafiqah Yaakob, Nurul Noraziemah Mohd Pauzi, Eeydzah Aminudin	Identifying Practical Material Retrofit Measures for Energy Efficiency in Existing High-Rise Buildings in the Malaysian Climate	12.20 pm - 12.35 pm

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PARALLEL - 09 [02.00 pm - 03.10 pm]					
Venue (for Chairperson): IT Lab 1					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mf4a35acaab78df9900c9a05a2216de52					
Chairperson: Dr. Norsafiah Norazman, Universiti Sains Malaysia					
Theme: Innovative Construction Material and Technology					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	086 - 082	Noor Dina Md Amin	Siti Hamizah Ahmad, Noorwirdawati Ali, Nor Azizah Adnan, Nadiyah Noor Hisham, Nasrul Arif Ahmad Mahmud	The Effects of Domestic Plastic Waste on Concrete Properties: Sustainable Replacement of Aggregates	02.05 pm - 02.20 pm
2.	125 - 144	Zetty Md Yusof	Adnan Zainorabidin, Siti Aishah Mustapa	Effect of Soaking Time on Compaction and Compressive Strength Performance of Hydrated Lime and Pond Ash Stabilized Modified Peat Soil	02.20 pm - 02.35 pm
3.	255 - 286	Nur Iffa Izzati Shahidan	Yee Hooi Min, Nazirah Mohd Apandi, Syahrul Fithry Senin, Chien Hwa Chong	Mechanical Properties of Concrete with Rubber Powder and Clamshell Powder	02.35 pm - 02.50 pm
4.	256 - 287	Tuan Nurul Laiyyinah Tuan Lokman	Yee Hooi Min, Warid Wazien Ahmad Zailani, Syahrul Fithry Senin, Chien Hwa Chong	An Investigation into the Strength and Density of Concrete Using Low-Density Polyethylene as Replacement for Sand and Steel Fibre as an Additive	02.50 pm - 03.05 pm

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PARALLEL - O10 [02.00 pm - 03.40 pm]					
Venue (for Chairperson): IT Lab 2					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=ma074c1a89ac288c2eb01bd795280deb6					
Chairperson: En. Izuandi Yin, Universiti Sains Malaysia					
Theme: Heritage and Conservation					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	036 - 031	Lisa Dwi Wulandari	Lisa Dwi Wulandari, Bayu Arief Firsandy, Almira Firdania Isna Johanda	Discovering the Characteristics of Temples in Malang City and Its Surroundings in the Context of the Cultural Landscape Concept	02.05 pm - 02.20 pm
2.	085 - 101	Zhou Zijun	Siow May Ling, Faziawati Abdul Aziz, Noor Fazamimah Mohd. Ariffin	The Influence of Cultural Landscapes on the Theme of Urban Tourism Complex Planning and Design in China	02.20 pm - 02.35 pm
3.	124 - 109	Xu Haoyuan	Mohd Jaki Mamat	Hues and Textures of Culture: Deciphering Material and Colour Use in Chinese Museum Interior Design	02.35 pm - 02.50 pm
4.	137 - 128	Lijuan Jiin	Nurwati Badarulzaman, Yu Lin, Shida Irwana Omar, Mingzhu Pan	Impacts of Risk Perception on the Behavioural Intentions of Tourists Traveling to Southeast Asia	02.50 pm - 03.05 pm
5.	194 - 237	Nor Azizah Adnan	Fathin Najihah Ramali, Nursyahira Yahya, Noor Dina Md Amin, Azmal Sabil, Suhaila Mohd Siraj, Noorli Ismail	Preservation Strategies for Timber Mosques: Comprehensive Analysis of Structural Integrity through Building Checklist and Non-Destructive Testing of Masjid An Nur Kampung Patah Pedang	03.05 pm - 03.20 pm
6.	201 - 227	Guoqiang Hanhan	Nor Zarifah Maliki	Influence of the Authenticity of Historic Street Sites on Visitors' Place Attachment	03.20 pm - 03.35 pm

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Parallel Sessions (Online)

PARALLEL - O11 [02.00 pm - 03.40 pm]					
Venue (for Chairperson): BIM Lab					
Webex link: https://usm-cmr.webex.com/usm-cmr/j.php?MTID=mb17ef520b88ac4bea374976f54e3373a					
Chairperson: Gs. Dr. Nurul Ashikin Mabahwi, Universiti Sains Malaysia					
Theme: Urban Planning					
No.	Code	Presenter	Other Authors	Title of Papers	Time of Presentation
1.	039 - 033	Marjihah Mohd Azam	Mastura Jaafar, Diana Mohamad	Tourist Satisfaction in Redang Island: An Online Review Analysis	02.05 pm - 02.20 pm
2.	042 - 035	Shi Lijun	-	The Impact of Landscape Art Installations in Urban Parks on the Leisure Activities of Old Adults	02.20 pm - 02.35 pm
3.	069 - 065	Mohamad Mambaus Suud	Syamsul Bachri, Sumarmi, I Komang Astina	Double Tracks Recovery Strategy: Towards Sustainable Recovery for Communities Impacted by the Semeru Eruption	02.35 pm - 02.50 pm
4.	069 - 066	Mohamad Mambaus Suud	Sumarmi, Syamsul Bachri, I Komang Astina, Agung Hidayat	Assessing Resilience Index in the Semeru Eruption Affected Village, Lumajang, Indonesia	02.50 pm - 03.05 pm
5.	122 - 133	Yi Yayun	May Ling Siow, Roziya Ibrahim, Faziawati Abdul Aziz	Exploring Cultural Development Barriers to Sustainable Rural Tourism in Guilin, China: Insights from Stakeholder Perspective	03.05 pm - 03.20 pm
6.	193 - 193	Ajanatul Nain Ibrahim	Azizan Marzuki	Cycling Towards Sustainability: Understanding Motivations for Bicycle Use in Urban Settings	03.20 pm - 03.35 pm