

Track 2: Building Information Modelling, Big Data and Data Management

Room 1: 2nd floor Library Building

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary	
1	460469	Integrating Green BIM in the Construction of Green Buildings: A Review	Muhammad Tarique Lakhiar Shalini Sanmargaraja Olanrewaju Abdullateef Ashola VIGNES PONNIAH Lim Chong Hooi Anselm Dass Mathalamuthu	9h00-9h15	GMT+8	Assoc. Prof. Tran Quang Dung	Mr. Tran Phuong Nam 0967341008	Morning
2	460396	Review on BIM and BIM – related Technologies Enabled Facility Management for Buildings: Potentials and Challenges for Studies on BIM-FM system	Hoai Nam Le Quan Nguyen Ngoc Binh Ta Trung Kien Nham Phuong Nam Tran	9h15-9h30	GMT+7			
3	456902	Application of Scan-to-BIM and Geographic Information Systems in Restoring The Current Status of Buildings	Nguyen Thu Anh Phan Quoc Thai Do Sy Tien Huynh Phu Hai	9h30-9h45	GMT+7			
4	453072	Risk Management in Drawing Design Phase by BIM Tools	Hai Dinhtuan	9h45-10h00	GMT+7			
5	457343	A Comparision Between CAD and BIM for Civil Engineering Design	Hai Dinhtuan	10h00-10h15	GMT+7			
6	456922	End-To-End Data Driven Framework For Flexural Resistance of CFRP-Strengthened Reinforced Concrete Beam	Hung Dang	10h15-10h30	GMT+7			
Tea break				10h30-11h00				
7	456916	Flexural Reliability Analysis of Post-tensioned Reinforced Concrete Band Beams According to AS 3600:2018 Using SAP2000-OAPI	Hung Dang	11h00-11h15	GMT+7			

Track 3: Disruptive and Innovative Technologies in Construction and Civil Engineering**Room 1: 2nd floor Library Building**

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary	
8	460718	Blockchain Technology Application Challenges in Supply Chain Management for the Construction Industry in Vietnam	Phuong Nam Tran Đức Thắng Đỗ Việt Hùng Nguyễn Duy Anh Bùi Văn Trung Nguyễn	11h15-11h30	GMT+7	Dr. Vignes Ponniah	Mr. Nguyen Bao Ngoc 0353609181	Morning
9	459986	Investigating Major Benefits of the Application of Modern Science and Technology 4.0 on Construction Companies: A Case Study in Vietnam	Vu Hong Son Pham Thuy Dung Dau Le Anh Tran	11h30-11h45	GMT+7			
10	460136	Using GIS to Manage Clean Water Supply System: A Case Study of Hoan Kiem District, Hanoi, Vietnam	Minh Phuong Le Thi Le Thi Minh Huyen Le Anh	11h45-12h00	GMT+7			
11	450476	Benefits of Unmanned Aerial Vehicles in the South African Construction Industry	Phuriwa Unarine	12h00-12h15	GMT+2			

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No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary	
12	459984	Strength Assessment of Earth Dams Using Three-Dimensional Models	Doniyor Jurayev Mirziyod Mirsaidov Matkarimov	13h00-13h15	GMT+5	Dr. Eric Lou	Mr. Tran Phuong Nam 0967341008	Afternoon
13	459964	Assessing Factors Affecting Building Information Model Usage Among Professionals in the Construction Industry	Ogunbayo Babatunde	13h15-13h30	GMT+2			
14	454872	The Use of BIM-IoT Integrated System to Enhance Monitoring COVID-19 Protocols on Construction Sites	Khalia Faizal	13h30-13h45	GMT+2			

Track 1: Digital Ecosystem in Construction Engineering, Management and Economics**Room 1: 2nd floor Library Building**

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary	
15	460418	A Framework of Contractual Protocol for Building Information Modelling (BIM) Implementation in Water Treatment Plant Projects	Mariawati Ali	13h45-14h00	GMT+8			

16	456903	Building an Operation Management Process From a Digital Model of Buildings: A Case Study at Ho Chi Minh City University of Technology (HCMUT) - Vietnam National University	Nguyen Thu Anh Phan Quoc Thai Do Sy Tien Huynh Phu Hai	14h00-14h15	GMT+7	Dr. Vignes Ponniah	Mr. Le Hoai Nam 0988802821	Afternoon
Tea break				14h15-14h45				
17	456891	Digital Technology Adoption In Construction Project Management: Case Study of 3 Projects in Vietnam	Le Phuc	14h45-15h00	GMT+7			
18	452318	Digital Transformation towards Sustainable Development: Energy Benchmarking System	Kamaruzzaman Syahrul	15h00-15h15	GMT+7			
19	459991	Digitalized Probabilistic Approach on Construction Bid Pricing: A Case Example of Vietnam	Tuan Anh Nguyen	15h15-15h30	GMT+7			
20	460501	Life Cycle Option Analysis on Built-in Adaptable Infrastructure	Tuan Anh Nguyen	15h30-15h45	GMT+7			
21	461760	Study on Public-Private Partnership (PPP) Investment Methods with BOT and BTL Contract Types in Deployment of Hanoi – Vinh – Da Nang High-Speed Railway Project	Nguyen Thi Tuyet Dung Nguyen Quoc Toan Nguyen Huu Dung	15h45-16h00	GMT+7			
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Track 5: AI, Robotics and Automation in Engineering and Construction

Room 2 (1st Floor, G3 Building)

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary	
1	<u>460477</u>	Improving Safety in Construction Sites through Personal Protective Equipment Detection Using Deep Learning Algorithms	Duc A. Nguyen Ngoc-Thoan Nguyen Quang-Dung Tran	9h00-9h15	GMT+7	Prof. Shang-Hsien (Patrick) Hsieh	Mrs. Vu Thi Kim Dung 0766719929	Morning

Track 4: Smart, Sustainable Cities and Infrastructure

Room 2 (1st Floor, G3 Building)

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary				
2	<u>460447</u>	Adaptive Transformation and Optimization of Public Space, Case of Thanh Nien Street – Tay Ho – Ha Noi	Nguyen Viet Huy	9h15-9h30	GMT+7	Prof. Shang-Hsien (Patrick) Hsieh	Mrs. Vu Thi Kim Dung 0766719929	Morning			
3	<u>462350</u>	An Overview of indigenous Adaptation in Urban Planning and Architecture in the World and in Vietnam.	Nguyen Viet Huy Huong Lan Vu Thi Trong Do Dinh	9h30-9h45	GMT+7						
4	<u>456122</u>	Analyzing Factors of Environmental Pollution from Construction Sites and Proposing Solutions	Nguyen Nhat Nam Phung Thi Ngoc Loi	9h45-10h00	GMT+7						
5	<u>460484</u>	Financializing The Public Utilities of New Urban Areas in Hanoi: When State Schools No Longer Are The Key Factor in The Residential Unit Design Concernt	Minh-Tung Tran Ngoc-Huyen Chu Tien-Hau Phan	10h00-10h15	GMT+7						
6	<u>460010</u>	Flood Risk Management Through Digital Transformation: One of Tools for Smart Urban Development Management	Ngo Viet Hung Hau Do	10h15-10h30	GMT+7						
Tea break				10h30-11h00							
7	<u>462351</u>	Identifying Indigenous Elements in Urban Planning and Architecture of Sa Pa		11h00-11h15	GMT+7						
8	<u>462612</u>	Overview Of Sustainable Development Of Irrigation Infrastructure	Nguyen Duc Thanh Tran Tho Dat	11h15-11h30	GMT+7						
9	<u>460621</u>	Smart Housing Awareness of People in Hanoi City, Vietnam	Nguyen Duc Thanh	11h30-11h45	GMT+7						
10	<u>456894</u>	The Design of Tube Houses in Vietnam According to the Orientation of Wellness Architecture	Nguyen Van Tin Hong Loan	11h45-12h00	GMT+7						

11	460397	Theoretical Framework for Assessing the Sustainable Development of Vietnam's Construction Industry	Nguyen Quoc Toan Nguyen Thi Thuy Do Huu Khoa	12h00-12h15	GMT+7			
12	460475	Isn't It Time for Quantity Surveyors to Contribute to Sustainability?	Quan Phung Laiba Khan	13h00-13h15	GMT+0			Afternoon

Track 6: Education and Training towards Industry 4.0

Room 2 (1st Floor, G3 Building)

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary				
13	460500	A Full Set of Indicators for Evaluation of University Autonomy Levels in Vietnam for the Transitional Years 2025 - 2030	QuangMinh Nguyen Van Bao Nguyen Viet Phuong Nguyen Quang-Dung Tran Thi Hang Vu Thi Sinh Vien Hoang	13h15-13h30	GMT+7	Dr. Nguyen Tuan Anh	Mrs. Dao Thuy Ninh 0916551518	Afternoon			
14	416885	An Investigation on The Practice of Organizing The Project Management in Specialized Construction Project Management Units in Vietnam	Quoc Viet Dao Quan Nguyen	13h30-13h45	GMT+7						
15	459263	Analysis and evaluation of factors affecting the motivation of construction workers	Nguyen Thi Thuy Nguyen Quoc Toan Le Van Tuan Nguyen Thi My Hanh	13h45-14h00	GMT+7						
16	459555	Barriers to Women Working in the Vietnam Construction Industry	Nguyen Quoc Toan Nguyen Thi Thuy Nguyen Thi My Hanh Le Hai Yen	14h00-14h15	GMT+7						
Tea break				14h15-14h45							
17	460555	ICT Infrastructure Development at the National University of Laos: The Pavement to a Leading University in the Region	Bounyong Sichanthala Duc Nguyen Van-Tan Tran	14h45-15h00	GMT+7						
18	460402	State Management of Public Investment in Road Construction in Vietnam: Current Situation and Solutions	Nguyen Thi Tuyet Dung Nguyen Quoc Toan Do Van Thuan Nguyen Huu Dung Pham Thi Tuyet Nghiem Van Dinh	15h00-15h15	GMT+7						
19	461221	Study on Public-Private Partnership (PPP) investment methods with BOT and BTL contract types in deployment of Hanoi – Vinh – Da Nang High-speed Railway Project	Nguyen Thi Tuyet Dung Nguyen Quoc Toan Nguyen Huu Dung	15h15-15h30	GMT+7						

20	<u>458941</u>	Training Techniques for Artisans to Improve Construction Project Performance in Edo State, Nigeria	Ayobami Idowu Clinton Aigbavboa Ayodeji Oke	15h30-15h45	GMT+2			
21	<u>460224</u>	Critical Review of Digitalization Adoptions in Construction Safety Education	Ruoyu Jin Nai-wen Chi Clara Cheung Bugra Alkan Jacob Lin Zulfikar Adamu	15h45-16h00	GMT+0			

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Track 7: Special track for papers in Vietnamese English**Room 3 (305 A1 Building)**

No	ID	Title	Authors	Vietnam time	Time zone	Chair	Secretary		
1	460539	Bãi đỗ xe thông minh tại các đô thị lớn của Việt Nam: Lợi ích và rào cản	Hoàng Vân Giang Nguyễn Tuấn Hùng Lưu Thị Huế Tạ Minh Thái Bùi Thu Hà Nguyễn Thị Nhâm	9h00-9h15	GMT+7	Assoc. Prof. Tran Van Tan	Ms. To Thi Huong Quynh 0859581602		
2	460547	Điều chỉnh cấu trúc quy hoạch đô thị thành phố Hà Nội năm 2011 trên cơ sở khung tự nhiên	Nguyen Van Tuyen	9h15-9h30	GMT+7				
3	460560	Đổi mới trong đào tạo môn học Đồ án thiết kế Nội thất đáp ứng nhu cầu sử dụng lao động của xã hội trong bối cảnh cách mạng 4.0	Thanh Trang Trần Ngọc	9h30-9h45	GMT+7				
4	460421	Hoàn thiện hệ thống thu phí tại các dự án hạ tầng giao thông đường bộ đầu tư theo phương thức BOT tại Việt Nam	Nhu Phien Nguyen Tuan Anh Nguyen	9h45-10h00	GMT+7				
5	462406	Nhận Diện Giá Trị Đề Chuyển Đổi Thích Ứng Các Công Trình Công Cộng Ở Hà Nội Giai Đoạn 1975-1986 Theo Hướng Phát Triển Bền Vững	Nguyen Duc Vinh Nguyen Viet Huy Nguyen Quang Minh	10h00-10h15	GMT+7				
6	460128	Ứng dụng công nghệ số trong quản lý vận hành nhà cao tầng ở Việt Nam - Cơ hội và thách thức	Hoàng Vân Giang Tuan Anh Nguyen Lê Hoài Nam Trần Phương Nam	10h15-10h30	GMT+7				
Tea break				10h30-11h00					
7	462348	Xây Dựng Hệ Thống Thông Tin Di Tích Thành Cổ Quảng Trị và Những Địa Điểm Lưu Niệm Sự Kiện 81 Ngày Đêm Năm 1972 Bằng Công Nghệ GIS, 3D	Phan Tuấn Anh	11h00-11h15	GMT+7				
8	461895	Xây Dựng Mô Hình Lý Thuyết Tổ Chức Quản Lý Dự Án Đầu Tư Xây Dựng Sử Dụng Vốn Nhà Nước Ở Việt Nam	Quoc Viet Dao	11h15-11h30	GMT+7				

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