### International Conference on "Digitalisation Construction for Sustainable Development: Transforming through Innovation"

**Date:** 25th November 2020 - **Time Zone:** GMT+7  
**Venue:** National University of Civil Engineering, Hanoi, Vietnam

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<tr>
<th>Time</th>
<th>Room 1 (31H3)</th>
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<th>Room 3 (33H3)</th>
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</table>
| **14:00-14:15** | 150. Enhancing the Diffusion of BIM through Implementation Experiences of Pilot Projects in Vietnam  
                        Quynh To Thi Huong          | 29. Improving the Accuracy of Daylight Calculation with Impact of Sun-Shading Devices for the Russian Standard  
                        Nguyen Thi Khaanh Phuong   | 48. Towards Developing the Smart Cultural Heritage Management of the French Colonial Villas in Hanoi, Vietnam  
                        Khoi Minh Doan              |
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                        Hoang- Minh-Huy Tran        | 171. Lighting Enclosed Interior Corridors by Borrowed Daylight  
                        Naries J. S. M. Abuzanlia   | 42. Reconceptualizing the Public Spaces of New Urban Areas in Hanoi: The End or The New of Public-making?  
                        Chu Ngoc Huyen              |
| **14:30-14:45** | 135. Automatic Extraction of Daily Concrete Requirements from 3D BIM and Project Schedules  
                        Van Hoan Pham               | 116. Retrofitting the Ruined Buildings and the Urban Public Spaces from Oblivion - Applicability to the Sustainable Renovation and Refurbishment of Sapa Town  
                        Vu Thi Huong Lan            | 32. Adaptive Reuse of Old Public Buildings Constructed between 1954 and 1986 in Hanoi from the Perspective of Sustainable Urban Development  
                        Nguyen Duc Vinh             |
| **14:45-15:00** | 89. A Critical Review of the Challenges and Barriers to an Effective Use of BIM in Green Building Assessment  
                        Ahmed Sherif Aishehrwy      | 102. HBIM and Digital Documentation for Development Reliable Parametric Models on Complex Systems  
                        Anna Dell'Amico             | 58. Sustainable Development of Shophouse in Hanoi’s New Urban Areas Towards Compatibility with the Criteria of Smart Cities  
                        Tung Hoang Nguyen            |
| **15:00-15:15** | 17. Solutions for Vietnam affordable housing database management  
                        Nguyen Khanh Dung           | TEA BREAK                      |                                                                              |
                        Nguyen Giang Son            | 103. Developing a Methodological Framework for Adopting Digitalization for Deconstruction Planning  
                        Ruoyu Jin                   | 43. Evolution of Commercial Facilities in New Urban Areas of Hanoi: Potential of Sustainable Neighborhood-Level Third Place Making  
                        Chuc Ngoc Huyen             |
| **15:30-15:45** | 62. Critical Factor Focusing on Strategy Implementation for Building Information Modelling (BIM) in Facilities Management (FM)  
                        Muhammad Saifwan Tusiman   | 94. Machine Learning Models for Inferring the Axial Strength in Short Concrete-Filled Steel Tube Columns Infilled with Various Strength Concrete  
                        Ngoc-Tri Ngo                |                                                                              |
| **15:45-16:00** | TEA BREAK                       | 147. Support Vector Machine for Regression of Ultimate Strength of Travess: A Comparative Study  
                        Viet-Hung Truong            |                                                                              |
| **16:00-16:15** | 34. Application of Long Short-Term Memory (LSTM) Networks for Rainfall-Runoff Simulation in Vu Gia–Thu Bon Catchment, Vietnam  
                        Duy Vu Luu                   | 25. Assembled Steel - The Dry Construction Method in the Building Industry in Vietnam Today  
                        Nguyen Viet Huy             | 18. Relation between Residential Building Types and Public Health of Migrant Workers in Industrial Parks – Case Studies from North Thang Long Industrial Park in Hanoi  
                        Le Lan Huong, Nguyen Thuy Trang |
| **16:15-16:30** | 124. Fast Survey and Digital Databases of Fortified Systems for the Tale of Venesan "Stato da Man"  
                        Silvia La Piaca              | 69. Knowledge Management Model for Construction Design Consulting Companies  
                        Phan Ngiem Vu               | 142. Malaysian Polytechnic Architecture Students' Readiness Toward BIM Adoption: A Pilot Study  
                        Nurhidayah Azhar             |
| **16:30-16:45** | 129. Multi-Objective Genetic Algorithm (NGSA II) Based Simulation for Building Cost-Effective and Energy Performance Improvement  
                        Thanh Truc Le-Gia            | 107. Mechanical Evaluations of Bioinspired TPMS Cellular Cementitious Structures manufactured by 3D Printing Formwork  
                        Vuong Nguyen-Van            | 27. Influence of Social-Demographic Factors on Recognition and Actions towards COVID-19 Epidemic Digitalization Prevention: Taiwan Case  
                        Chi-Tz Kuo                  |
| **16:45-17:00** | 101. The Development of Information Systems for the Construction of Digital Historical Centers, the Case Study of Bethlethem  
                        Sandro Parrinello            | 111. Application of BIM and 3D Laser Scanning for Quantity Surveying and Quality Management in Construction Projects  
                        Pham Thi Tri Nguyen An      | 161. CADA – Innovative Teaching Method in Architect Training in Vietnam at the 4.0 Era  
                        Nguyen Thi Hạnh Nguyen      |
| **17:00-17:15** | 104. BIM-based Ontology for Sustainability-Oriented Building Construction  
                        Danh Toan Nguyen             | 24. Smart City: An Approach from the View of Smart Urban Governance  
                        Hung Viet Ngo               | 75. Establishing the Key Elements and Outcomes of Incorporation 4th IR in Construction Education: A Mixed Bibliographic and Bibliometric Analysis  
                        Alineza Moghayedi            |
| **17:15-17:30** | 19. Digitalization of Construction Life Cycle: A Systematic Review of Building and Reliability Information Modelling (BRIM)  
                        Dania Abideen                | 170. Building Information Modelling Adoption as a Business Decision  
                        Le Hung Tien                | 38. Autonomy of Higher Education Institutions in the Context of Vietnam: A Full Set of Assessment Indicators as a Key Preparation for the Future Development of Universities  
                        Quang Minh Nguyen            |
| **17:30-17:45** | 158. Applying BIM and Related Technologies for Maintenance and Quality Management of Construction Assets in Vietnam  
                        Quynh To Thi Huong           | 130. A Need Assessment on the Regulations of Recognitions to Facilitate the Movement for BIM Human Resources  
                        Thuy-Ninh Dao               | 120. Competence-targeted Education for BIM Professionals: a Case Example of the Vietnamese Construction Industry  
                        Tuan Anh Nguyen              |
<p>| <strong>17:45-18:00</strong> | Contingency                      | Contingency                      | Contingency                      |                                                                              |
| <strong>18:00</strong>       | CLOSING                         |                                 |                                 |                                                                              |</p>
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<td>15:00-15:15</td>
<td>73. Impacts of Digitalisation on Travel Behaviour in Hanoi City Centre</td>
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<td>133. Management of Contractual Risks in a BIM-Enabled Project</td>
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<td>167. Sustainability Assessment of Urban Spaces in Developing Countries: The Nigerian Case</td>
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<td>168. BIM Adoption as a Perceived Source of Competitive Advantages and Competitive Strategies for Construction Consultancy SMEs: Evidences from Vietnam</td>
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<td>126. Formulating Weather-Responsive Traffic Management Strategies for Ho Chi Minh City</td>
<td>100. A Proposal for Electronic Ticketing Based on Travel Behavior, Towards the Integrated Public Transport for Smart City in Hanoi, Vietnam</td>
<td>121. Evolutionary Model of e-Procurement Adoption: Case of Vietnam Construction Industry</td>
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<td>7. Strategic Solutions for E-Logistics Services in Ho Chi Minh City</td>
<td>169. Digital Twins to Monitor Physical Resources at Construction Sites with Web Application</td>
<td>159. A Case Study of BIM Application in a Public Construction Project Management Unit in Vietnam: Lessons Learned and Organizational Changes</td>
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