

General Program

INTERNATIONAL CONFERENCE ON ADVANCES OF CIVIL ENGINEERING 2024

Time: Saturdat, Dec 21, 2024; Venue: 8F Administration Bldg, Vinh University

Zoom Meeting ID: 456 788 7777, Passcode: 123456

Time (GMT+7)	Content
13:30 - 13:35	Welcome and Introduction (MC: NGUYEN Duy Duan)
13:35 - 13:45	Opening speech Prof. NGUYEN Huy Bang (President of VU)
13:45 - 13:50	Welcome speech Assoc. Prof. TRAN Ngoc Long (Dean of DCE, VU)
13:50 - 14:20	Keynote Lecture 1 Assoc. Prof. TRAN The Truyen (UTC, Vietnam) <i>Design of high-speed railway bridges: some critical issues</i>
14:20 - 14:50	Keynote Lecture 2 Dr. Md Samdani Azad (Yonsei Unviersity, Korea) <i>Seismic response prediction of NPP structures using Bayesian additive regression trees</i>
14:50 - 15:10	Coffee break
15:10 - 17:55	Parallel session A (Room 8F) Chair: Assoc. Prof. NGUYEN Duy Duan Parallel session B (Room 6F) Chair: Dr. NGUYEN Trong Ha

SESSION A – STRUCTURAL ENGINEERING

Venue: Room 8F – Administrative building, Vinh University

Chair: Assoc. Prof. Duy-Duan Nguyen (Vinh Univ.)

Time	Presentation
15:10 - 15:25	Stochastic model for assessing uncertainty impacts on space steel frame dynamics <i>Dr. Huy-Khanh Dang, Vinh University, Vietnam</i>
15:25 - 15:40	Experimental study on strain hardening and deflection hardening conditions of recycled textile reinforced cementitious composites <i>Dr. Doan Truong, ThuyLoi University, Vietnam</i>
15:40 - 15:55	Evaluation of the effect of fiber types on the pullout resistance in concrete under impact loads <i>Dr. Van-Phi Dang, Hanoi University of Mining and Geology, Vietnam</i>
15:55 - 16:10	Seismic floor response characteristics of auxiliary building considering bidirectional ground motions <i>Dr. Bidhek Thusa, Hanbat National University, Korea</i>
16:10 - 16:25	Numerical model analysis of reinforced concrete assemblies under the conditions of column removal <i>Dr. Huu-Cuong Nguyen, Vinh University, Vietnam & Sejong University, Korea</i>
16:25 - 16:40	Reliability-based assessment of design equations for CFDST columns <i>Dr. Viet-Linh Tran, Vinh University, Vietnam & Sejong University, Korea</i>
16:40 - 16:55	Study on settlement calculation methods of raft foundation <i>Dr. Van-Quang Nguyen, Vinh University, Vietnam</i>
16:55 – 17:10	Investigation of the influence of spiral stirrup content on the behavior of concentric compression circular specimens <i>Dr. Van-Phuc Phan, Vinh University, Vietnam</i>
17:10 – 17:25	Flexural strengthening of pre-crack bonded prestressed concrete beams using CFRP composite sheets: An experimental study <i>Mr. Xuan-Vinh Tran, Vinh University, Vietnam</i>
17:25 – 17:40	Reliability assessment of anchor bolts column base connection of pre-engineered steel considering metal corrosion in a marine atmosphere <i>Dr. Trong-Ha Nguyen, Vinh University, Vietnam</i>
17:40 – 17:55	Impact of embankment load on settlement ground surface during construction of deep excavation: A case study in Vinh city, Vietnam <i>Dr. Van-Hoa Nguyen, Vinh University, Vietnam</i>
17:55 – 18:10	Nonlinear pushover analysis of a reactor containment building <i>Assoc. Prof. Duan Nguyen, Vinh University, Vietnam</i>

SESSION B – MATERIAL ENGINEERING & CONSTRUCTION MANAGEMENT

Venue: Room 6F – Administrative building, Vinh University

Chair: Dr. Trong-Ha Nguyen (Vinh Univ.)

Time	Presentation
15:10 - 15:25	The potential of producing low-carbon "Green" Cement-free Concrete in Vietnam using industrial waste <i>Dr. Van-Lam Tang, Hanoi University of Mining and Geology, Vietnam & National Research Moscow State University of Civil Engineering</i>
15:25 - 15:40	Application process denitrification in municipal wastewater treatment: modification typical operating cycle of SBR in laboratory <i>Dr. Quan Tran, The University of Science & Technology, Danang, Vietnam</i>
15:40 - 15:55	Effective method compensation axial shortening of columns can be applied in the construction of axial shortening compensation for reinforced concrete columns in high-rise buildings <i>Dr. Duc-Xuan Nguyen, Vinh University, Vietnam</i>
15:55 - 16:10	Prolonging lifetime of reinforcement concrete structures in the marine environment by using high volume fly ash concrete <i>Dr. Can-Ngon Nguyen, Vinh University, Vietnam</i>
16:10 - 16:25	Enhancing the efficiency of Last-Mile Logistics in Hanoi: Current situation and sustainable development solutions <i>Dr. Hiep Nguyen, Posts & Telecom Institute of Technology, Vietnam</i>
16:25 - 16:40	A study on geopolymers concrete utilizing materials sourced from the central coastal areas of Vietnam <i>Dr. Dinh-Quoc Phan, Vinh University, Vietnam</i>
16:40 - 16:55	Application of Building Information Model (BIM) in construction project management: A breakthrough in the construction industry <i>Dr. Quan Le, UTC Campus in Ho Chi Minh City, Vietnam</i>
16:55 – 17:10	Enhancing the effectiveness of state management in the logistics sector in the North Central region of Vietnam <i>Mr. Duy-Khanh Nguyen, Vinh University, Vietnam</i>
17:10 – 17:25	Parametric Design Method: A Direction for Contemporary Architecture in Vietnam <i>Dr. Hong-Son Pham, Vinh University, Vietnam</i>
17:25 – 17:40	A finite element study on predicting the bond strength between CFRP sheets and concrete <i>Mr. Xuan-Vinh Tran, Vinh University, Vietnam</i>
17:40 – 17:55	The process of preparing and implementing the Building Information Modeling (BIM) in construction investment projects in Vietnam <i>Mr. Ngoc-Minh Pham, Vinh University, Vietnam</i>
17:55 – 18:10	Rainwater collection and use in green buildings <i>Mr. Thu-Hang Thi Nguyen, Vinh University, Vietnam</i>