



- ❑ Time: 8:00 – May 21, 2022
- ❑ Location: Meeting room 8F, Administration Bldg., Vinh University (offline + online)
- ❑ Zoom ID: 123 456 888

Organizer: Vinh University

PROGRAM SCHEDULE

❖ Opening ceremony – Chair: Assoc. Prof. Tran Ngoc Long

8:00 (15') Opening

8:15 (30')
Keynote Lecture 1:
Topic: Advanced Materials and Structures - Research Vision in HUCE
Prof. Tran Minh Tu
Hanoi University of Civil Engineering, Vietnam



8:45 (30')
Keynote Lecture 2:
Topic: Durability Design Of Reinforced Concrete Structures Under The Coupled Effect Of Load And Environment
Assoc. Prof. Tran The Truyen
University of Transport and Communications, Vietnam



❖ Parallel Sections

9:30-12:30
Session A: Advances in Structural Engineering
Chair: Dr. Nguyen Duy Duan

9:30-12:30
Session B: Advances in Constructional Materials
Chair: Dr. Nguyen Trong Ha



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PARALLEL SESSION SCHEDULE

❖ Section A – Chair: Dr. Nguyen Duy Duan (Room 8F, Administration Bldg.)

9:30 (15')	Damage simulation of reinforced concrete beams relating to corrosion of reinforcement in concrete <i>Vu Ba Thanh, <u>Tran The Truyen</u>, Vo Van Nam, Pham Duc Manh</i>
9:45 (15')	Exploring the Shear Strength Characteristics and CBR Value of an Expansive Soil by Using Brick Dust and Coir Fiber <i>Muhammad Umair Ashfaq, <u>Muhammad Irsfan Khalid</u>, Muhammad Shahroz Khalid and Van-Quang Nguyen</i>
10:00 (15')	Classification of concrete grade using machine learning methods <i><u>Viet-Linh Tran</u>, Duc-Kien Thai, Huy-Khanh Dang, Trong-Cuong Vo</i>
10:15 (15')	Analysis of randomness and fuzziness of parameters related to corrosion of reinforcement in reinforced concrete structures <i>Thu Minh Tran, <u>Duc Manh Tran</u>, The Truyen Tran</i>
10:30 (15')	Correlation between earthquake intensity measures and responses of isolated bridges <i>Van-Tien Phan, Thanh-Tung Nguyen, Xuan-Hung Vu, <u>Duy-Duan Nguyen</u></i>
10:45 (15')	Causal Diagram of Project Management Knowledge Areas in Construction Projects <i><u>Le Dinh Thuc</u>, Nguyen Quang Huy and Minh Thu Nguyen</i>
11:00 (15')	Characterizations Of Sugacane Bagasse Ash And Its Use In Blended Mortar <i><u>Duc-Hien Le</u> and Minh-Tung Tran</i>
11:15 (15')	The effect of earthquake frequency content on seismic response of horseshoe tunnels <i><u>Van-Quang Nguyen</u>, Muhammad Umair Ashfaq, Muhammad Irsfan Khalid, Ngoc-Long Tran, Trong-Cuong Vo, Van-Long Phan, Huu-Cuong Nguyen</i>
11:30 (15')	A Study on Elastic Critical Buckling Strength of Continuous Steel Beams Subjected to Uniformly Distributed Load <i><u>Xuan Tung Nguyen</u>, Minh Thu Nguyen and Xuan Ba Ho</i>
11:45 (15')	Experimental Study Concrete Shrinkage At High Temperature Due To Climate Change <i><u>Ngoc-Long Tran</u>, Tien-Hong Nguyen and Xuan-Hieu Nguyen</i>
12:00 (15')	Analyse The Causes And Proposed Some Solutions To Minimize Water Inflation During The Rainy Season In Vinh City, Nghe An <i><u>Nguyen Thi Thu Hang</u></i>
12:15 (15')	Research Solutions To Improve The Quality Of Survey, Design And Construction Of Private Housing Works In Ha Tinh <i><u>Tran Van Binh</u>, Luu Thi Thuy</i>



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PARALLEL SESSION SCHEDULE

❖ Section B – Chair: Dr. Nguyen Trong Ha (Room 6F, Administration Bldg.)

9:30 (15')	Nonlinear static analysis of functionally graded porous thin plates resting on elastic foundations <i>Thanh-Hai Le, Van-Long Nguyen, Minh-Tu Tran, Tuan-Anh Nguyen</i>
9:45 (15')	Vibration analysis of functionally graded porous plates resting on Kerr elastic foundations <i>Van-Long Nguyen, Minh-Tu Tran, Thanh-Hai Le, Xuan-Thuc Phan</i>
10:00 (15')	Research and application of Tuned mass dampers - type vibration absorber devices for buildings <i>NT Kien, ND Khanh, NTT Hang</i>
10:15 (15')	Stress-Strain State Of A Short Reinforced Concrete Column Cross-Sections Subjected To Biaxial Compression <i>Phan Van-Phuc, Tran Van Hoan, Nguyen Van Thanh</i>
10:30 (15')	Overview of causes of wheel rutting on some national highways in Viet Nam <i>Trong Cuong Vo and Thu Hien Nguyen Thi</i>
10:45 (15')	Study The Procedure Of Compensation Of Differential Shortening For Super-High-Rise Buildings By The Method Of Moving Optimal Compensation For Construction Projects In Vietnam <i>Nguyen Duc Xuan, Nguyen Sy Hung, Ho Ngoc Khoa, Nguyen Thi Thanh Tung</i>
11:00 (15')	Experimental study on Engineered Cementitious Composites Reinforced with Polypropylene Fiber <i>Xuan-Vinh Tran, Manh-Hung Nguyen, Tien-Hong Nguyen, Van-Thuc Luu</i>
11:15 (15')	Analysis of the role of parameters in 16MND5 steel model to take into account of radiation effects <i>Nguyen Can Ngoc</i>
11:30 (15')	Prediction of ground surface settlements of deep excavations in Vietnam <i>Van Hoa Nguyen, Tien Hong Nguyen</i>
11:45 (15')	Using crater eco-city in Op village, Gia Lai Province as a model of planning and developing eco-urban areas in the direction of sustainable development <i>Kieu Vinh Nguyen, Thi Thuy Huong Doan</i>
12:00 (15')	Prediction Of The Cbl Of The Sdtc With Tubular Cross-Section Using Rayleigh-Ritz Method <i>Nguyen Thi Quynh, Nguyen Thi Thanh Tung</i>
12:15 (15')	Prediction of ALC of the cold-formed SOHSC using gradient boosted regression trees <i>Trong-Ha Nguyen, Viet-Chuong Ho</i>
12:30 (15')	Reality and difficulties in applying Building Information Modeling (BIM) in Vietnam <i>Pham Ngoc Minh</i>