



Sponsored by:



Unicons
CONCRETE GROUP

INTOC



VINCI

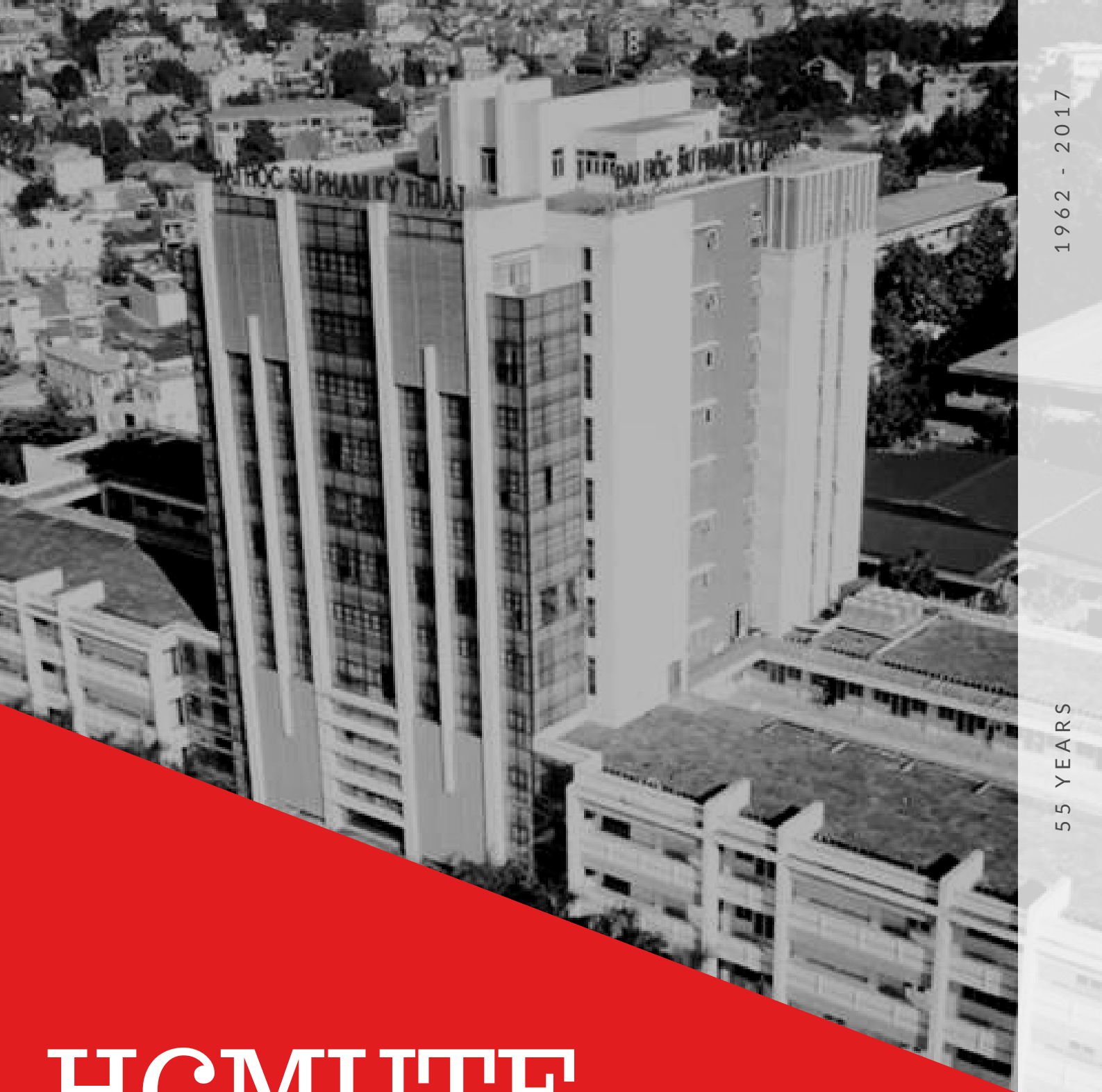
15th
September
2017

CIVILTECH 2

2ND CONFERENCE ON
CIVIL TECHNOLOGY

Organised by:





1962 - 2017

55 YEARS

HCMUTE

"Comprehensive,
Sustainable Development
and International
Integration"

Greetings from the Chairman of the Conference

Dear Colleagues,

We are very pleased to announce that the **2nd Conference on Civil Technology (CivilTech 2)** will be held on **15th September 2017** at the Ho Chi Minh City University of Technology and Education (HCMUTE), Vietnam.

At this conference, we hope to connect together researchers, scientists, engineers and practitioners from all over the world to exchange knowledge and expertise in the domain of civil technology. We are pleased to invite you to submit papers and attend **CivilTech 2**.

All papers accepted and presented will be published on **Journal of Construction Review – Ministry of Construction and Journal of Technical Education Science**.

We look forward to welcoming you in Ho Chi Minh city, Vietnam!

Warmest regards,

A/Prof. Dr. NGUYEN Trung Kien

Chairman of CivilTech 2

ORGANISING COMMITTEE



Assoc. Prof. Dr. Nguyen Trung Kien

Dean | Lecturer | Hochiminh City | Viet Nam

Email: kiennt@hcmute.edu.vn

Phone: +84 8 3897 2092



Dr. Tran Vu Tu

Vice Dean | Lecturer | Hochiminh City | Viet Nam

Email: tutv@hcmute.edu.vn

Phone: +84 9312 82881



Dr. Chau Dinh Thanh

Vice Dean | Lecturer | Hochiminh City | Viet Nam

Email: chdthanh@hcmute.edu.vn

Phone: +84 9030 92979



Dr. Tran Van Tieng

Head of Geotechnical Department | Hochiminh City | Viet Nam

Email: tiengtv@hcmute.edu.vn

Phone: +84 9067 92527



Dr. Nguyen The Anh

Lecturer | Hochiminh City | Viet Nam

Email: ntanh@hcmute.edu.vn

Phone: +84 9375 84292

OVERALL PROGRAM

LOCATION: CENTRAL BUILDING FLOOR 6 & 12

Please check the back cover of this program book to better navigate around the campus

MORNING: PLENERY SESSION

08:00 - 08:40	Opening ceremony
08:40 - 09:40	Presentation
09:40 - 10:00	Coffee break
10:00 - 12:00	Presentation
12:00 - 13:00	Lunch break

AFTERNOON: PARALLEL SESSION 1,2,3

13:00 - 15:00	Lectures
15:00 - 15:30	Coffee break
15:30 - 16:50	Lectures
16:50 - 17:00	Closing remark by session chairs

PLENERY SESSION

A.Prof. Dr. Le Hieu Giang
A.Prof. Dr. Nguyen Trung Kien

**PARALLEL SESSION 1: ADVANCED
MODELLING OF STRUCTURES,
COMPUTATIONAL MECHANICS**

A.Prof. Dr. Nguyen Hoai Son
Dr. Chau Dinh Thanh

**PARALLEL SESSION 2:
GEOSCIENCES, MATERIALS**

Dr. Tran Van Tieng
Dr. Tran Tuan Kiet

**PARALLEL SESSION 3:
TRANSPORTATION ENGINEERING,
CONSTRUCTION MANAGEMENT
AND CASE STUDIES**

Dr. Nguyen Duy Liem
Dr. Nguyen Sy Hung

**SESSIONAL
CHAIRS**

DETAILED SCHEDULE

Plenary session

MORNING

PLENARY SESSION			
Session Chairs: A.Prof. Dr. Le Hieu Giang, A.Prof. Dr. Nguyen Trung Kien			
Location: Central Building, Floor 6, Room A1-602			
TIME	EVENT NAME	SPEAKERS	AFFILIATION
7:30 - 8:00	Registration and Reception	Receptionists	HCMUTE
8:00 - 8:15	Music performance	Singers	HCMUTE
8:15 - 8:30	Welcome statement and introduction of guests	MC	HCMUTE
8:30 - 8:35	Speech of the President board of HCMUTE	*	HCMUTE
8:35 - 8:40	Opening address by CIVILTECH2 chairman	Nguyen Trung Kien	FCE
8:40 - 9:10	Presentation: "Source less seismic, a geophysical technique for soil imaging and monitoring during tunneling works. Case study: Paris Metro."	Clément MOGENIER	VINCI Group
9:10 - 9:40	Presentation: "Negative side waterproofing solutions in the world and INTOC technology"	Do Thanh Tich	INTOC
9:40 - 10:00	COFFEE BREAK		
10:00 - 10:30	Presentation: "Construction methods of UC steel structures in building LM81"	Doan Minh Hien	Unicons
10:30 - 11:00	Presentation: " Staying with cables: a modern construction for crossing and connecting people."	Maxime LAURENT	Freyssinet
11:00 - 11:30	Presentation: "Concrete crack repair & Waterproofing solutions"	Nguyen Cong Hung	SIKA Vietnam
11:30 - 12:00	Presentation: "Wind loads on high-rise buildings - Experimental approaches."	Yuan-Lung Lo	Tamkang University
12:00 - 13:00	LUNCH		

DETAILED SCHEDULE

Parallel session 1

AFTERNOON

PARALLEL SESSION 1: ADVANCED MODELLING OF STRUCTURES, COMPUTATIONAL MECHANICS

Session chairs: A.Prof. Dr. Nguyen Hoai Son, Dr. Chau Dinh Thanh

Location: Central Building, Floor 12, Room 1204

TIME	EVENT NAME	SPEAKERS	AFFILIATION
13:00 – 13:20	Analysis of laminated composite plates based on a layerwise model using ES-MITC3 elements	Chau Dinh Thanh	HCMUTE
13:20 - 13:40	Modal Galloping of slender structures: theory and application	Nguyen Huy Cung	IUH
13:40 - 14:00	Dynamic analysis of very large floating structures subjected to sea waves using Boundary Element Method (BEM) and Finite Element Method (FEM)	Tran Minh Phuong	HCMUTE
14:00 – 14:20	A simulation of composite joints	Pham Hoang	HCMUTE
14:20 - 14:40	Vibration control of a frame 2d structure using Tuned Mass Damper (TMD) when impacted by earthquake load Elcentro 1940	Tran Van Thien	HCMUTE
14:40 – 15:10	COFFEE BREAK		
15:10 - 15:30	Geometric nonlinear analysis of composite plates based on MISQ20 element and higher shear deformation theory	Huynh Van Chau	HCMUTE
15:30 - 15:50	Static and Buckling analysis of stiffened plate structures using MISQ24 elements	Ton That Hoang Lan	HCMUTE
15:50 - 16:10	Dynamic analysis of antenna pole using Rayleigh-Ritz	Do Cao Phan	IUH
16:10 -16:30	Closing remarks by session Chairs		

DETAILED SCHEDULE

Parallel session 2

PARALLEL SESSION 2: GEOSCIENCES, MATERIALS

Session Chairs: Dr. Tran Van Tieng, Dr Tran Tuan Kiet

Location: Central Building, Floor 12, Room 1202

TIME	EVENT NAME	SPEAKERS	AFFILIATION
13:00 – 13:20	Numerical simulation on undrained behavior of soil using coupled fluid – discrete element model	Tran Van Tieng	HCMUTE
13:20 - 13:40	The concrete micropiles, static load experiment on single and group of piles	Tran Thanh Liem	Cuu Long University
13:40 - 14:00	The Application of Straw Rolls with Net for Embankment Protection in Mekong Delta	Nguyen Minh Duc	HCMUTE
14:00 – 14:20	Solution for the inclined pile due to pile installation.	Nguyen Tong	HCMUTE
14:20 - 14:40	A study on adding sand into the soil-cement piles for providing stabilization of soft soils	Dao Phu Yen	Tay Do University
14:40 – 15:10	COFFEE BREAK		
15:10 – 15:30	Basic mechanical properties evaluation of hot mix asphalt containing waste tire rubber	Nguyen Manh Tuan	HCMUT
15:30 -15:50	Study of building up a tensile impact test system for HPFRCC	Tran Tuan Kiet	HCMUTE
15:50 -16:10	Fracture energy of Ultra high performance fiber reinforced concrete under impact loading	Tran Ngoc Thanh	HCMUTE
16:10 -16:30	Study on the bond between Geopolymer concrete and reinforcing steel	Pham Duc Thien	HCMUTE
16:30 -16:50	Closing remarks by session Chairs		

DETAILED SCHEDULE

Parallel session 3

PARALLEL SESSION 3: TRANSPORTATION ENGINEERING, CONSTRUCTION MANAGEMENT, CASE STUDIES

Session Chairs : Dr. Nguyen Duy Liem, Dr. Nguyen Sy Hung

Location: Central Building, Floor 12, Room 1206

TIME	EVENT NAME	SPEAKERS	AFFILIATION
13:00 – 13:20	Structural waterproofing solution for groundwater-tunnel of road	Nguyen Duy Liem	HCMUTE
13:20 - 13:40	The way to Barrier-Free public transportation	Luu Thanh Tai	TDM University
13:40 - 14:00	Working simulation of the aluminum temporary roadways on muddy soil subjected to load of vehicles	Phan Nhat Quang	CERA
14:00 - 14:20	Research on the applicability of reservoir base based on open-graded aggregate from Aashto for permeable pavement in Ho Chi Minh city	Dang Gia Bao	HCMUTE
14:20 - 14:40	Applying the prediction model of wheel tracks in designing granulometry of asphalted concrete and quality of construction management	Le Van Phuc	HCMUTE
14:40 – 15:10	COFFEE BREAK		
15:10 - 15:30	Application of Cluster analysis to identify groups of factors contributing to the success of subcontractor in construction	Pham Thanh An	TDM University
15:30 – 15:50	Prediction of schedule performance of construction projects using artificial neural network	Dang Van Dieu	HCMUTE
15:50 – 16:10	Mô hình phân tích so sánh ứng xử phi tuyến của dầm thép liên hợp dầm bê tông cốt thép tiết diện T và dầm thép liên hợp bản bê tông cốt thép	Vu Hong Nghiep	HCMUTE
16:10 -16:30	Evaluating the bonding between asphalt and cement concrete layers	Nguyen Huynh Tan Tai	HCMUTE
16:30 -16:40	Closing remarks by session Chairs		



CIVIL ENGINEERING

**"WE CONVERT DREAMS
INTO A REALITY"**

Campus map

Address: 1 Vo Van Ngan St, Thu Duc District, Ho Chi Minh City

