

Program of seminar "Deterioration of concrete structures and application of mineral admixture in hot weather conditions"

1st day (2018/9/25)@1st floor - G3 Building			
Time	Presentation title	Presenter	Affiliation
9:00	9:10	Welcome address & short introduction of NUCE	Dr. Nguyen Hoang Gang NUCE
9:10	9:20	Speech from Ministry of Construction	Dr. Le Quango Hung Ministry of Construction
9:20	9:50	Research on Ultra High Performance Concrete and application in Vietnam	Dr. Tran Ba Viet VCA
9:50	10:05	Introduction of collaborative research network on standardization of design and construction for hot weather concreting based on Asian climate and materials (JSPS core-to-core project)	Dr. Shingo ASAMOTO Saitama University
10:05	10:25	Non-destructive investigation of surface quality and construction condition in concrete bridges with localized deterioration: lessons for enhancing life cycle management	Dr. Michael HENRY Hokkaido University
10:25 10:40 Short break			
10:40	11:40	JCI guidelines for control of cracking of mass concrete 2016	Prof. Ryoichi SATO Hiroshima University
11:40	12:30	Durability of Mortars and Concrete Incorporating Bottom Ash as Fine Aggregates Effects of concrete covering depth on concrete electrical resistivity and torrent air permeability	Dr. Raktipong SAHAMITMONGKOL Dr. Pakawat SANCHAROEN KMUTT SIIT
12:30 13:30 Lunch time			
13:30	14:20	Plastic shrinkage in Sri Lanka Condition assessment and damage detection of existing bridges in Sri Lanka due to corrosion	Dr. Harsha Priyankara SOORIYAARACHCHI Dr. Gallage Sudhira Yasapriya DE SILVA University of Ruhuna
14:20	15:10	Fly ash in Vietnam: Situation and Challenges Current situation on the utilization of mineral admixtures for concrete in Vietnam	Dr. Nguyen Van Tuan Dr. Le Trung Thanh NUCE VCA
15:10 15:30 Coffee Break			
15:30	16:40	Short presentation by panelists	Prof. Uomoto, Prof. Yokota, Prof. Tangtermsirikul, Prof. Nanayakkara and Dr. Thanh
16:40 16:50 Short break			
16:50	17:50	Panel discussion (ACF history and future Asian collaboration - toward feasible guideline for construction & design of hot weather concreting in Asia)	Prof. Uomoto, Prof. Yokota, Prof. Tangtermsirikul, Prof. Nanayakkara and Dr. Thanh Discussion coordinators: Dr. Phan Huu Duy Quoc & Dr. Shingo ASAMOTO
17:50	18:00	Closing	
18:30	21:00?	Banquet	
2nd day (2018/9/26)@1st floor - G3 Building			
Research presentation by graduate students and researchers			
9:00	9:15	Survey of Bridges in Vietnam	Mr. Nguyen Trung Kien NUCE - SU
9:15	9:30	Construction issues in RC Water Retaining Structures	Mr. Ranasing Kankanamge Wasantha Kalum Ranasinghe Univ. of Ruhuna
9:30	9:45	Cases study on damages of PC structure in Thailand	Mr. Krit SUKPRASIT SIIT
9:45	10:00	Development of crack repair method using yeast induced calcium carbonate precipitation	Ms. Yoko SAKAKIBARA Kagawa Univ.
10:00	10:15	On-site measurement of corrosion with galvanostatic pulse method and half-cell potential measurement	Dr. Pongsak Wiwatjanakul Rajamangala University of Technology Phra Nakhon
10:15	10:30	Additional discussion time	
10:30 10:45 Coffee Break			
10:45	11:00	Study on effect of initial high temperature curing on interface between aggregate and cement paste of mortar with different aggregate	Mr. Takuma OHKUBO Saitama Univ.
11:00	11:15	Evaluation of Some Shrinkage Prediction Models for normal Concrete	Mr. Nguyen Manh Hung NUCE
11:15	11:30	Visualization of damage between aggregate-cement paste interface subjected to high temperature history	Mr. Sunao FUJIMURA Kagawa Univ.
11:30	11:45	Crack mapping of large concrete floor created by 3D image-based modelling	Dr. Anuwat Attachaiyawut Kasetsart University (Sriracha Campus)
11:45	12:00	Effects of curing temperature on cementing efficiency factor for strength development of fly ash mortar	Mr. Takumi NISHIWAKI Hiroshima Univ.
12:00	12:15	Additional discussion time	
12:15 13:15 Lunch time			
13:15	13:30	Permeability of blast-furnace slag cement concrete cured internally by porous ceramic roof-tile waste aggregate	Ms. Azusa SHIGETA Hiroshima Univ.
13:30	13:45	Lightweight concrete from construction and demolition waste	Mr. Nguyen Anh Dung Dr. Nguyen Hung Phong NUCE
13:45	14:00	Safety evaluation of concrete arch dam	Mr. Kiet Anh Bui SIIT
14:00	14:15	Numerical analysis of failure mechanism of RC beam strengthened with external FRP using rigid body spring model	Mr. Tran Quang Hau Hokkaido Univ.
14:15	14:30	Additional discussion time	
14:30 14:45 Coffee Break			
14:45	15:00	Preliminary results on shrinkage of concrete using fly ash in Vietnam	Dr. Thang Ms. Que Anh NUCE
15:00	15:15	Use of Fly Ash to Enhance Performance of Expansive Concrete	Mr. Rachot CHATCHAWAN SIIT
15:15	15:30	Alterations in concrete containing mineral admixture immersed in flowing sulfuric acid	Mr. Yoshinobu KANAOKA Hiroshima Univ.
15:30	15:45	Influences of various penetration additives on the waterproofing properties of cement concrete bridge decks	Dr. Tong Ton Kien NUCE
15:45	16:00	Additional discussion time	
16:00 16:15 Coffee Break			
16:15	16:30	Negative pore pressure development in freshly placed concrete- An Experimental Study	Mr. Kapila Gamini RUBASINGHE Univ. of Ruhuna
16:30	16:45	Indonesian Fly Ash Characterization as A Green Solution for Power Plants and Government	Dr. Januarti Jaya Ekaputri Institut Teknologi Sepuluh Nopember
16:45	17:15	Effects of fine powders and shrinkage reducing agents on plastic shrinkage cracking	Dr. Suguru GOTO Ms Mari Kobayashi Ube Industries, Ltd.
17:15	17:25	Additional discussion time	
17:25	17:30	Closing	

Registered participant list	
Vietnam	
Dr. Le Quang Hung (Invited)	Vice Minister, Ministry of Construction
Dr. Le Trung Thanh (Invited)	President of VCA
Dr. Tran Ba Viet (Invited)	Vice President of VCA
Dr. Phan Huu Duy Quoc (Invited)	Shimzu Corporation
Dr. Hoang Giang NGUYEN	NUCE
Dr. Hung Phong NGUYEN	NUCE
Dr. Van Tuan NGUYEN	NUCE
Dr. Ton Kien TONG	NUCE
NUCE students and others	
Japan	
Prof. Taketo UOMOTO (Invited)	PWRI (Emeritus professor of Univ. of Tokyo)
Prof. Hiroshi YOKOTA (Invited)	Hokkaido Univ.
Dr. Shingo ASAMOTO	Saitama Univ.
Dr. Kohei NAGAI	Univ. of Tokyo
Dr. Koji MATSUMOTO	Univ. of Tokyo
Dr. Yuya TAKAHASHI	Univ. of Tokyo
Prof. Ryoichi SATO	Hiroshima Univ.
Dr. Kenichiro NAKARAI	Hiroshima Univ.
Dr. Yuko OGAWA	Hiroshima Univ.
Dr. Isao KURASHIGE	CRIEPI
Dr. Shinichiro OKAZAKI	Kagawa Univ.
Dr. Yuichiro KAWABATA	PARI
Dr. Keisuke TAKAHASHI	Ube Industries, Ltd.
Dr. Suguru GOTO	Ube Industries, Ltd.
Ms Mari Kobayashi	Ube Industries, Ltd.
Dr. Michael HENRY	Hokkaido Univ.
Mr. Takumi NISHIWAKI	Hiroshima Univ.
Mr. Yoshinobu KANAO	Hiroshima Univ.
Ms. Azusa SHIGETA	Hiroshima Univ.
Ms. Yoko SAKAKIBARA	Kagawa Univ.
Mr. Sunao FUJIMURA	Kagawa Univ.
Mr. Takuma OHKUBO	Saitama Univ.
Mr. Thanadet Sriprasong	Saitama Univ.
Tran Quang Hau	Hokkaido Univ.
Thailand	
Prof. Somnuk TANGTERMSIRIKUL	SIIT
Dr. Pakawat SANCHAROEN	SIIT
Dr. Warangkana SAENGSOY	SIIT
Mr. Rachot CHATCHAWAN	SIIT
Mr. Krit SUKPRASIT	SIIT
Mr. Kiet Anh Bui	SIIT
Dr. Raktipong SAHAMITMONGKOL	KMUTT
Dr. Anuwat ATTACHAIYAWUTH	Kasetsart University
Dr. Pongsak WIWATROJANAGUL	KMUTT
Sri Lanka	
Prof. Siriwettti Mohottige Anura NANAYAKKARA	Univ. of Moratuwa
Dr. Gallage Sudhira Yasapriya DE SILVA	Univ. of Ruhuna
Dr. Harsha Priyankara SOORIYAARACHCHI	Univ. of Ruhuna
Mr. Ranasing Kankanamge Wasantha Kalum Ranasing	Univ. of Ruhuna
Mr. Kapila Gamini RUBASINGHE	Univ. of Ruhuna
Mr. Sanka Seneviratne	INSEE
Mr. Kalinda Dasanayaka	INSEE
Dr. I M U Ismail	Tokyo cement group
Mr. G. Balamurugan	Tokyo cement group
Mr. Yasas Wickramage	Tokyo cement group
Mr. K L Sasiri Kurulugama	Tokyo cement group
Mr. M. E. S. Janaka Perera	Tokyo cement group
Mr. Madduma Tennekoon	National Water Supply & Drainage Board
Indonesia	
Dr. Januarti Jaya Ekaputri	Institut Teknologi Sepuluh Nopember
Ms. Wahyuniarsih Sutrisno	Institut Teknologi Sepuluh Nopember
Ms. Desak Nyoman Deasi Triani	Institut Teknologi Sepuluh Nopember