

Program of the Tenth International Summer Symposium

September 18, 2008

JSCE Headquarters, Tokyo, Japan

International Activities Committee
Japan Society of Civil Engineers

SCHEDULE

The Tenth International Summer Symposium

Session	Room I (Auditorium)	Room II (Room A)	Room III (Room CD)
Session 1 (9:00-10:30)	Category C	Category B	
Coffee Break (10:30-10:45)			
Session 2 (10:45-12:15)	Category C	Category D	Category G
Lunch Break (12:15-13:20)			
Session 3 (13:20-14:40)	Keynote Lectures 2008 STG Report		
Coffee Break (14:40-14:55)			
Session 4 (14:55-16:25)	Category C	Category A	Category E
Coffee Break (16:25-16:40)			
Session 5 (16:40-18:10)	Category C	Category A	Category F
Party at Shufukaikan Plaza-f (18:30-20:30)			

SESSIONS

Keynote Lectures

Room I (Auditorium) Session 3

13:20-13:50 Prof. Tomoya Shibayama (Yokohama National University)

13:50-14:20 Prof. Hanbin Ge (Meijo University)

2008 STG Report

Room I (Auditorium) Session 3

14:20-14:40 Mr. Michael J. David (DAMICO Builder and Supplies, LSD Construction and Supplies)

Room I (Auditorium)

9:00-10:30 Session 1C (Geotechnical Engineering)

Chaired by Dr. Kimitoshi Hayano (Yokohama National University)

Triaxial Tests on Undisturbed Samples Retrieved from a Failed Slope at Higashi-Takezawa due to 2004 Niigata-ken Chuetsu Earthquake

Jianliang Deng (The University of Tokyo)

Modelling of Drained Cyclic Shear Behavior of Sand

Laddu Indika Nalin De Silva (The University of Tokyo)

Small Strain Stiffness of Edosaki-Sand in Dry, Saturated and Partially Saturated Condition

Adriana Lucia Beltrán Galvis (The University of Tokyo)

Study on Deformation Characteristics of Lightly Cemented Sand

Ruta Ireng Wicaksono (The University of Tokyo)

Sample Size and Shape Effects in Bender Element Tests

Sarju Mulmi (The University of Tokyo)

Effects of Bedding Error in Cyclic Triaxial Tests on a Granular Material Made from Recycled Glass

Jina Lee (The University of Tokyo)

Room I (Auditorium)

10:45-12:15 Session 2C (Geotechnical Engineering)

Chaired by Dr. Takahiro Takahashi (Tokyo Institute of Technology)

Reliability Based Safety Factor against Soil Liquefaction

Sanjay Kumar Jha (Saitama University)

A GIS-Based Landslide Susceptibility Zonation along Highways in Mountainous Region

Bhoj Raj Pantha (Ehime University)

Hyperplasticity Modelling of Normally Consolidated Clays in Simple Shear

Dedi Apriadi (Chulalongkorn University, Thailand)

Determination of Coefficient of Earth Pressure at Rest of Natural Soft Clay Deposit Using Cowk Triaxial Apparatus

Barames Vardhanabhuti (Kasetsart University, Thailand)

Analysis of Stresses in Wedge-Shaped Granular Mound

Thirapong Pipatpongsa (Tokyo Institute of Technology)

Room I (Auditorium)

14:55-16:25 Session 4C (Geotechnical Engineering)

Chaired by Dr. Satoshi Nishimura (Port and Airport Research Institute)

Effects of Geogrid Shapes on Pullout Resistance in Toyoura Sand

Giang Hoang Nguyen (Saitama University)

Effects of Soil Variability on Settlement of a Shallow Foundation

Mohamad Nazieh Jilali (Gifu University)

Experimental Study on Distribution of Lateral Force in Pile Groups behind Quay Walls Subjected to Liquefaction-Induced Lateral Spreading

Ramin Motamed (Tokyo Institute of Technology)

Modified Model Test of Flexible Buried Pipe in Loose Backfill Sand under Cyclic Loading

Cokorda Bagus (The University of Tokyo)

A Method to Evaluate Seismic Earth Pressure Considering Effects of Negative Pore Air Pressure in Backfill Soil

Kimhor Hong (The University of Tokyo)

Room I (Auditorium)

16:40-18:10 Session 5C (Geotechnical Engineering)

Chaired by Dr. Abbas Taheri (Yokohama National University)

Evaluation on the Performance of Multi-Layer Cover Barrier Layer

Tri Harianto (Saga University)

Characteristics and Transport of Volcanic Ash Soil Colloids in Saturated Sand

Gansukh Nyamdavaa (Saitama University)

Development of a Predictive Expression to Characterize the Soil Water Repellency Based on Soil Organic Carbon Content

Anurudda Kumara Karunarathna (Saitama University)

Adsorption and Desorption Processes of 2,4-D onto Kaolinite, Volcanic Ash Soil and Soil Colloid

Ei Ei Mon (Saitama University)

Evaluation of Weathering Potential of Various Soft Rocks Using Slake Durability Test with Multiple Slaking Cycles

Mohsin Usman Qureshi (The University of Tokyo)

A Verification of Fracture Mechanics Approach for Hydraulic Fracturing in Situ Stress Measurement

Mohammad Hossein Khosravi (Tokyo Institute of Technology)

Room II (Room A)

9:00-10:30 Session 1B (Hydraulic, Coastal and Environmental Engineering)

Chaired by Dr. Hiroshi Takagi (Yokohama National University)

Boundary Layer Flow and Bed Shear Stress over Smooth Bed under Solitary Wave

Hiroto Yamaji (Tohoku University)

Numerical Investigation of the Effects of Opening Gap Width in Forest on Tsunami Runup in the Coast

Nguyen Ba Thuy (Saitama University)

Tsunami Forces on Bridge Deck Estimated from Hydraulic Model Experiments

Tze Liang Lau (Tokyo Institute of Technology)

Room II (Room A)

10:45-12:15 Session 2D (Infrastructure Planning and Management)

Chaired by Dr. Daisuke Fukuda (Tokyo Institute of Technology)

An Agent-Based Household Daily Activity Scheduling Model with a Household Kernel Agent DASHA: Conceptualization and Model Architecture

Ahmed Ibrahim Mosa (The University of Tokyo)

On Modeling Individuals' Out-of-Home Joint with Family Recreational Activity Attitudes

Ahmed Ibrahim Mosa (The University of Tokyo)

Transportation and Logistics Engineering Consortium for Development of North American Free Trade Agreement Trade Corridors

Silva Muñoz Sergio Antonio (University of Guanajuato, Mexico)

The Development of an Internet-Based Survey Instrument for Investigating the Impact of Intermodality on Commute Mode Choice (Case Study of Jakarta Metropolitan Area, Indonesia)

Puspita Dirgahayani (The University of Tokyo)

The Development and Use of a Computerized Spatial Accident Database for Road Safety: Case of Mahasarakham University, Thailand

Wichuda Kowtanapanich (Mahasarakham University, Thailand)

Binary Logit Models for Analysis of Switching to Use Bus Rapid Transit in Bangkok

Thaned Satiennam (Khon Kaen University, Thailand)

Room II (Room A)

14:55-16:25 Session 4A (Structural Mechanics and Earthquake Engineering)

Chaired by Dr. Hanbin Ge (Meijo University)

Experimental Validation of a Response Prediction Model for Flexible Risers in the Inertia/Drag Regime

Carlos Alberto Riveros Jerez (Kyoto University)

Postcritical Analysis of Strengthened Reinforced Concrete Columns

Urban Rodman (University of Ljubljana, Slovenia)

The Effect of Predetermined Delaminations on Buckling and Post-Buckling Behavior of Spatial Composite Timber Beams and Frames

Urban Rodman Urban Rodman (University of Ljubljana, Slovenia)

Strength of Headed Stud Shear Connectors in Steel-Concrete Composite Beams with Precast Decks

Kiyoshi Itoh (Saitama University)

Experimental Study on Shear Response of Ultra High Strength Prestressed Reinforced Concrete Beams

Lam Huu Quang (Saitama University)

Experimental Investigation of Laminated Rubber Bearings at Low Temperatures

Abdur Rahman Bhuiyan (Saitama University)

Room II (Room A)

16:40-18:10 Session 5A (Structural Mechanics and Earthquake Engineering)

Chaired by Dr. Yoshiaki Okui (Saitama University)

Demand of Shear Panel Dampers for Passive Energy Dissipation

Chen, Xi (Nagoya University)

The Behaviour of Long Span Suspension Bridge under the Action of Low Frequency Earthquakes

Bahbouh Lama (Yokohama National University)

Study on Plastic Destabilization of Steels for Prediction of Fracture Modes

Hiroshi Tamura (Yokohama National University)

Effect of Wind Angle of Attack on Response of Long-Span Bridge in Time Domain

Nguyen Danh Thang (Yokohama National University)

A Numerical Study on Shape Measurement of Circular Steel Pier Model

XianFeng Wang (Nagoya Institute of Technology)

An Alternative Method for Displacement Measurement in the Three Dimensional Structural Testing System

XianFeng Wang (Nagoya Institute of Technology)

Room III (Room CD)

10:45-12:15 Session 2G (Environmental Systems and Engineering)

Chaired by Dr. Keiko Udo (Tohoku University)

Desorption and Mobility of Arsenic in a Shallow Sandy Aquifer

Tauhid-Ur-Rahman (Tohoku University)

Effect of Harvesting on Constructed Wetlands Performance in Tropical Conditions

Sasikala Shanmugasuntharam (Saitama University)

Conservation Significance of Wetlands - Case Study from Sri Lanka

DAGL Gunaratne (Saitama University)

Temperature Effect on Swelling Characteristics of Compacted Bentonite

Sharif Moniruzzaman Shirazi (Saitama University)

Effect of Ammonium Nitrogen Concentration on Nitrate Nitrogen Removal in Submerged Plant Wetland Microcosms

S. K. Weragoda (Saitama University)

Room III (Room CD)

14:55-16:25 Session 4E (Materials, Concrete Structures and Pavements)

Chaired by Dr. Akira Hosoda (Yokohama National University)

Mechanical Characteristics of Hybrid FRP

Kensuke Shiroki (Saitama University)

Experimentally Determined Behavior of Bolted Joints in Hybrid FRP Laminates

Nguyen Duc Hai (Saitama University)

Experimental Study on Volumetric Change of Cementitious Materials

Kyosuke Kato (Saitama University)

Various Sizes of Wire Mesh Reinforcement Effect on Tensile Behaviour of Ferrocement Composite Plates

Mahmoud Abo El-Wafa Ahmed (Ibaraki University)

Influence of Strengthened RC Pier on Seismic Behavior of Piles and Foundation

Junichiro Koyama (Saitama University)

Shear Strength of RC Beams with PVA Short Fiber Based on Shear Transfer Behavior at Crack Surface

Takako Matsunaga (Saitama University)

Room III (Room CD)

16:40-18:10 Session 5F (Construction Management and Engineering)

Chaired by Dr. Tomoya Shibayama (Yokohama National University)

A New Business Model with Concession-type Projects for Local Construction Industry

Kaoru Tokuno (Kochi University of Technology)

Enhancing University Education in a Developing Country through University Cooperation: A Case of Must-Kut

Cooperation in Human Resources and Technology Development in Mongolia

Oyuntsatsral Tseyenbaljir (Kochi University of Technology)

Landslide Susceptibility Zonation Management: A Comparison Between Certainty Factor and Sinmap Approaches Using GIS

Dorji Cheki (Yokohama National University)

Efficient Approach to Investigating the Optimal Pavement Design and Maintenance Strategy

Dinh Van Hiep (Saitama University)

Trend Curve Optimal Control Model for Optimal Pavement Maintenance Strategies: A Solution for Resealing Treatment

Mohammad Mamunur Rashid (Saitama University)

Trend Curve Optimal Control Model for Optimal Pavement Reconstruction and Design Standards

Mohammad Mamunur Rashid (Saitama University)