

THE 16th INTERNATIONAL SUMMER SYMPOSIUM PROGRAM

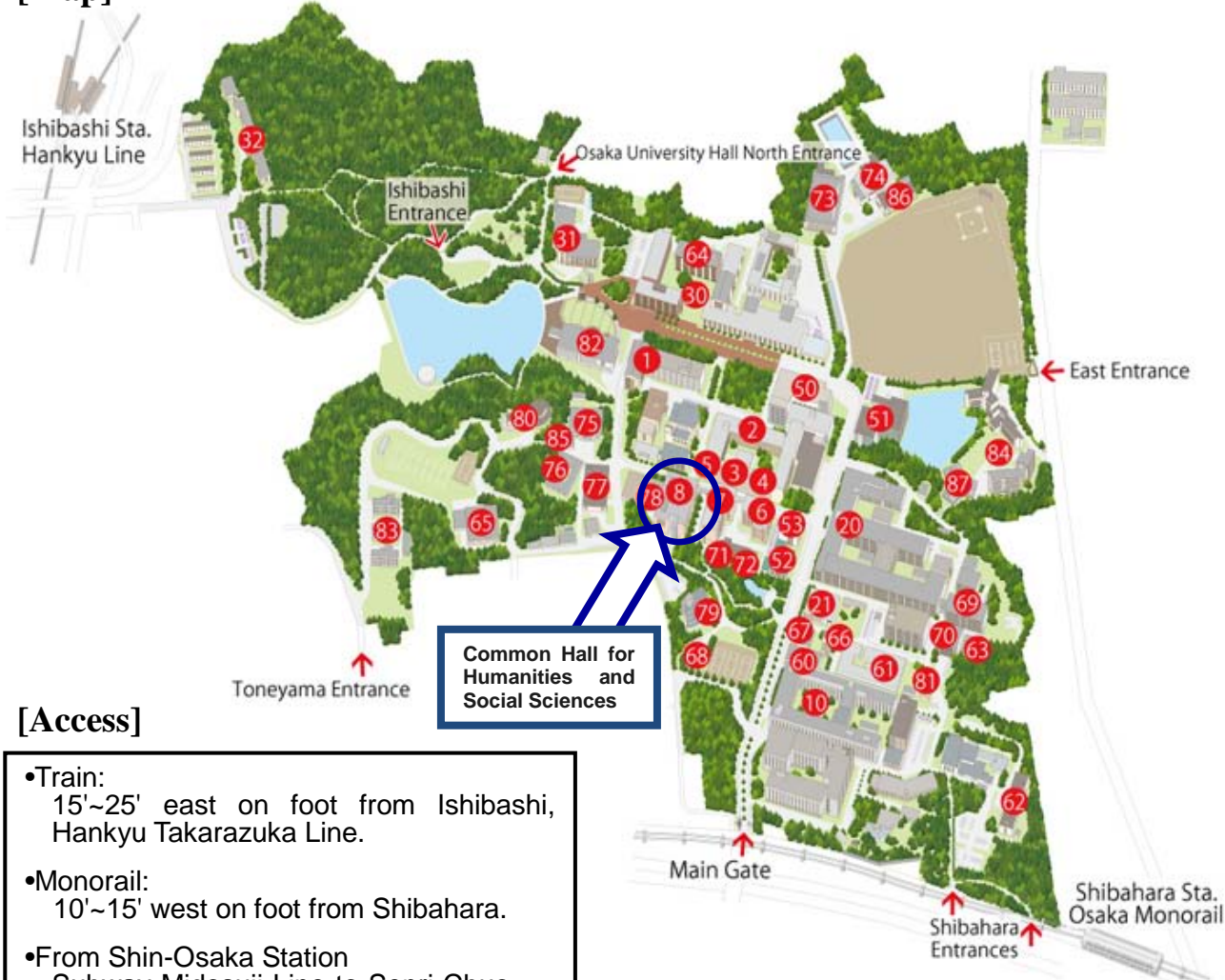


Date: September 10, 2014

Venue: Common Hall for Humanities and Social Sciences, Toyonaka Campus,
Osaka University

Organized by International Student Network Group, International Activities Center, JSCE

[Map]



[Access]

- Train:
15'~25' east on foot from Ishibashi,
Hankyu Takarazuka Line.
- Monorail:
10'~15' west on foot from Shibahara.
- From Shin-Osaka Station
Subway Midosuji Line to Senri-Chuo, →
Monorail, exit at Shibahara. (1 hr.)
- From Osaka Airport
Monorail to Shibahara. (30')

Ref: <http://www.osaka-u.ac.jp/en/access/toyonaka/toyonaka.html>

[Timetable & Chair]

Time Room	8:45-10:15	10:30-12:00	12:45-14:15	14:30-16:00
CS-5 Room-501	CS2 1-7	CS2 8-13	CS2 51-54	
	Mizutani Tsukasa (The Univ. of Tokyo)	Su Di (The Univ. of Tokyo)	Yotsutsuji Hirofumi (Kobe Univ.)	
CS-6 Room-L3	CS2 14-19	CS2 20-24	CS2 25-30	CS2 31-35
	Yasuda Tomohiro (Kyoto Univ.)	Shigenobu Tanaka (Kyoto Univ.)	Kenichiro Kobayashi (Kobe Univ.)	Hitsohi Miyamoto (Shibaura Inst. of Tech.)
CS-7 Room-L4	CS2 36-43	CS2 44-50	CS2 55-60	CS2 61-65
	Shinichiro Nakajima (Yamaguchi Univ.)	Sayuri Kimoto (Kyoto Univ.)	Nobuhiro Chijiwa (Tokyo Inst. of Tech.)	LUAN YAO (Saitama Univ.)

[Program]

Category 1: Structural Engineering

Time & Room

CS2-1	NUMERICAL INVESTIGATION OF BOTTOM PLATE SLOPE EFFECTS ON AERODYNAMIC RESPONSE OF A HEXAGONAL SHAPED BRIDGE DECK <i>Haqae Md. Naimul(Yokohama National University)</i>	September 10 8:45-10:15 Room -501
CS2-2	Effects of Cover Plate Stiffness on Ultimate Strength of Bearing-type Multi-row Bolted Connections for FRP Composite Structures <i>Kader Mohammad Abdul(Nagoya University)</i>	
CS2-3	Mechanical Behaviour of Curved Composite Beams under Hogging Moment <i>LIN WEIWEI(Waseda University)</i>	
CS2-4	IMPROVEMENT OF SHEAR CAPACITY OF WELDED I-SECTION GIRDER WITH THIN STRUCTURED WEB <i>SALIHI SAMANDAR(Saitama University)</i>	
CS2-5	A MODIFIED RHEOLOGY MODEL FOR HIGH DAMPING RUBBER BEARINGS <i>NGUYEN DUNG ANH(Saitama University)</i>	
CS2-6	Analytical investigation on Rayleigh damping in a curved bridge model <i>Kinoshita Koji(Gifu University)</i>	
CS2-7	SEISMIC RESPONSE ANALYSIS OF BILLION DEGREE-OF-FREEDOM FAULT-URBAN AREA MODEL ON PARALLEL MULTICORE COMPUTING ENVIRONMENT <i>QUINAY PHER ERROL(NIIGATA UNIVERSITY)</i>	
CS2-8	Static Methods for Redundancy Analysis of Steel Truss Bridges <i>HOANG TRONG KHUYEN(NAGAOKA UNIVERSITY OF TECHNOLOGY)</i>	September 10 10:30-12:00 Room -501
CS2-9	GPS STRUCTURAL HEALTH MONITORING OF LONG-SPAN CABLE STAYED BRIDGES CONSIDERING ENVIRONMENTAL EFFECTS BASED ON TIME SERIES ANALYSIS <i>LE VAN HIEN(Yokohama National University)</i>	
CS2-10	A NUMERICAL INVESTIGATION INTO THE IMPACT OF FLAP ON A RECTANGULAR CROSS-SECTION USING RANS APPROACH <i>TRAN DAT ANH(Yokohama National University)</i>	
CS2-11	Fracture Critical Members of Continuous Composite Twin I-girder Bridge <i>Lam Heang(Waseda University)</i>	

- CS2-12 Performance evaluation of Gerber hinges in an existing steel truss bridge by short-term monitoring
TRAN DUY KHANH(NAGAOKA UNIVERSITY OF TECHNOLOGY)
- CS2-13 EXPERIMENTAL STUDY ON AN EXISTING BRIDGE RETROFITTED BY GROUND ANCHOR
LIANG YUFAN(Waseda University)
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Category 2: Hydraulic Engineering & Environment

- CS2-14 EFFECTS ON THE DESIGN OF PORT FACILITIES REGARDING THE DIFFERENCES OF NATURAL DISASTER CONDITIONS BETWEEN JAPAN AND CAMBODIA
HEM RAMRAV(NILIM, MLIT) **September 10
8:45-10:15
Room -L3**
- CS2-15 Modeling of media usage for disaster information collection during the 2011 Thai flood
HENRY Michael(Hokkaido University)
- CS2-16 Assessing grid size effects on inundation and groundwater using hydrological model in the Lower Mekong River basin
Chantaluck Sutthiwas(Tohoku university)
- CS2-17 IMPLICATION OF LOCAL PEOPLE'S PERCEPTION OF CLIMATE CHANGE AND ITS IMPACTS FOR THE WATER RELATED DISASTER MANAGEMENT: A CASE STUDY FROM NORTHERN THAILAND
Manandhar Sujata(Tohoku university)
- CS2-18 RISK-BENEFIT ASSESSMENT FOR INTEGRATED FLOOD MANAGEMENT: SUPPORTING SUSTAINABLE LIVELIHOODS IN DEVELOPING COUNTRIES
Juarez Andrea(ICHARM, GRIPS)
- CS2-19 EVALUATION OF FLOOD PRONE AREAS IN BICOL RIVER BASIN, PHILIPPINES
Basilan Emar(ICHARM, GRIPS)
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- CS2-20 Simulation of river discharge using 1k-DHM in Myanmar
THIHA SOE(Kyoto University) **September 10
10:30-1200
Room -L3**
- CS2-21 Climate Change Impact on the Inflow of Large Scale Reservoir by Applying a Distributed Hydrological Model
MANEE Donpapob(Kyoto University)
- CS2-22 PEOPLE'S PERCEPTIONS ON CLIMATE CHANGE: CASE STUDY IN GROUNDWATER IRRIGATION PROJECT IN THAILAND
Pratoomchai Weerayuth(Tohoku university)
- CS2-23 Competition between Medaka and Mosquitofish under climate change
Wang Jingjing(Waseda University)
- CS2-24 ASSESSMENT OF CLIMATE CHANGE IMPACT ON HYDROLOGY THROUGH ADDRESSING MODEL PARAMETER-RELATED UNCERTAINTY
Masood Muhammad(ICHARM, GRIPS)
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- CS2-25 IMPACT OF SEASONAL ENVIRONMENTAL WATER REQUIREMENTS ON WATER RESOURCES ASSESSMENT IN SRI LANKA
Samarasuriya Patabendige Chaminda(Tohoku University) **September 10
12:45-14:15
Room -L6**
- CS2-26 TREATMENT OF SUSPENDED SEDIMENT IN SIDE BANK REGIONS
Biswas Robin Kumar(ICHARM, GRIPS)
- CS2-27 DEBRIS FLOW CHARACTERISTIC ALONG THE MAIN CHANNEL WITH STRUCTURES IN THE ARENAL DE MEJICANOS, SAN SALVADOR, EL SALVADOR

Lopez Ingrid(ICHARM, GRIPS)

CS2-28 IMPORTANCE OF HYDROLOGICAL MODEL FOR FLOOD MANAGEMENT IN BANGLADESH

Islam Khairul(ICHARM, GRIPS)

CS2-29 APPLICATION OF REMOTE SENSING AND RAINFALL RUN-OFF INUNDATION MODEL TO COUNTRY-WIDE INUNDATION MAPPING

Pauline Onjira(ICHARM, GRIPS)

CS2-30 The effect of submerged water depth on shear stress acting on the bed and downstream slope of levee due to overtopping

Doan Van Binh(Saitama University)

CS2-31 THE APPLICABILITY OF CLASSICAL BULK MODEL FOR ESTIMATING SALINITY STRATIFICATION OF CHOKED COASTAL LAGOONS IN SRI LANKA

Perera Lashita(Saitama University)

September 10

14:30-16:00

Room -L3

CS2-32 ONE-DIMENSIONAL MODELING OF AIR POCKET ENTRAPMENT IN RECTANGULAR DUCTS

BASHIRI ATRABI HAMID(Waseda University)

CS2-33 Continuous Treatment of Groundwater by In-Situ Denitrification and Oxidation Process with Injection of Electrolytic Hydrogen and Oxygen

YE JIAN(Waseda University)

CS2-34 A Fe-cycle in advanced constructed wetland

LI CHENG(Waseda University)

CS2-35 Removal of disinfection byproduct precursors by a combined electrochemical and adsorption process

Lu Wei(Waseda University)

Category 3: Geotechnical Engineering

CS2-36 Experimental Investigation for Scour Mechanisms of a Breakwater Mound Caused by Tsunami

Islam Mohammed Russedul(Yokohama National University)

September 10

8:45-10:15

CS2-37 An analytical model for one dimensional, transient evaporation in homogeneous soil

Teng Jidong(Kyushu University)

Room -L4

CS2-38 Experimental study of loosened sand due to piping

YANG Yang(The University of Tokyo)

CS2-39 DEVELOPMENT OF LARGE SIZE FLAT TYPE DISK TRANSDUCER TO MEASURE THE ELASTIC WAVE IN LARGE TRIAXIAL CELL

Pokhrel Abilash(The University of Tokyo)

CS2-40 Influence of reinforcements on the seismic response of reduced-scale reinforced soil retaining wall

HAN XINYE(Institute of Industrial Science, University of Tokyo)

CS2-41 DEVELOPMENT OF STACKED-RING SHEAR APPARATUS IN THE INVESTIGATION ON CHARACTERISTICS OF RE-LIQUEFIED SAND

WAHYUDI SETO(The University of Tokyo)

CS2-42 FAILURE MODES OF LOOSE TOYOURA SAND UNDER VARIOUS LEVELS OF STATIC SHEAR BY TORSIONAL SIMPLE SHEAR TESTS

Chiaro Gabriele(Institute of Industrial Science, University of Tokyo)

CS2-43 EFFECT OF SILT LAYER IN SEGREGATED SPECIMEN ON LIQUEFACTION BEHAVIOR

OF KATORI SAND

Fauzi Usama(The University of Tokyo)

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| CS2-44 | EFFECTS OF CHANGE IN DENSITY OF SAMPLED DATA ON INTERPOLATION IN LIQUEFACTION POTENTIAL ZONING
<i>Pokhrel Rama Mohan(Institute of Industrial Science, University of Tokyo)</i> | September 10
10:30-12:00
Room –L4 |
| CS2-45 | ANALYTICAL STUDY OF IMPROVEMENT EFFECTS ON PEATY GROUND BY VERTICAL DRAINS/VACUUM CONSOLIDATION
<i>NGUYEN Hong Son(Nagoya University)</i> | |
| CS2-46 | Predictability of the International Geotechnical Codes for Estimating Ultimate Bearing Capacity of Large Diameter Bored Piles
<i>Hassan Mahmoud(Kyushu University)</i> | |
| CS2-47 | An Investigation of Effect of Element Size in a Numerical Simulation of Press-in Behavior by Discrete Analysis Method
<i>KIMURA SHUNYA(The University of Tokyo)</i> | |
| CS2-48 | Influence of effective rate in copy cutter length on H&V shield behavior
<i>Tamai Tatsuki(Nagaoka University of Technology)</i> | |
| CS2-49 | INFLUENCE OF TEMPERATURE AND CHEMICAL EXPOSURE TIME ON LIQUID LIMIT OF BENTONITE HYDRATED WITH INORGANIC SALT SOLUTIONS
<i>Rashid Hafiz Muhammad Awais(Saitama University)</i> | |
| CS2-50 | THE USE OF TRIAXIAL STRAIN GAUGE AND LASER DISPLACEMENT METER FOR DRYING SHRINKAGE MEASUREMENT: A COMPARATIVE ANALYSIS
<i>ILLANKOON THILINI(Saitama University)</i> | |
| CS2-66 | LATERAL STRESS ACTING ON FLEXIBLE PIPES UNDER DIFFERENT DEGREE OF COMPACTION
<i>Nguyen Ngoc Duyen(The University of Tokyo)</i> | |
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Category 4: Planning and Design & Management

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| CS2-51 | Cause Analysis of Decision with Bounded Rationality in Disaster Recovery using Hypergame
<i>Choi Chang Yeol(University of Tokyo)</i> | September 10
12:45-14:15
Room –501 |
| CS2-52 | TRACKING MULTIPLE PEOPLE WITH MULTIPLE GPS DATA LOGGERS
<i>YAMAMOTO YOSHIYUKI(Aichi Institute of Technology)</i> | |
| CS2-53 | STUDY ON THE ESTIMATION OF CO ₂ EMISSION REDUCTION FOR LONG TIME WHEN THE URBAN AREA CHANGED: CASE STUDY IN KHON KAEN, THAILAND
<i>KIKUCHI HIROKI(Nihon University)</i> | |
| CS2-54 | Utilizing the Backcasting Approach in Urban Development - Discussion of the Application in International Development Projects
<i>TAMURA KOICHIRO(PADECO)</i> | |
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Category 5: Materials

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| CS2-55 | SEISMIC DAMAGE RANGE EVALUATION OF RC COLUMNS WITH CIRCULAR CROSS SECTION BY ENERGY DISSIPATION USING 3D LATTICE MODEL
<i>SHIAMO MAURO RICARDO(Kobe University)</i> | September 10
12:45-14:15
Room –L4 |
| CS2-56 | Correlation between Fiber Density Distribution and Flexural Capacity of SFRC Beams Using Optical Density Analysis of X-ray Image
<i>Lim Sopokhem(Waseda University)</i> | |

CS2-57	failure property of UFC panel bonded on steel with adhesive resin <i>Krintrakul Naphon(Hokkaido University)</i>	
CS2-58	Numerical Simulation of A Beam Column Joint with Complex Reinforcement Arrangement by 3D Discrete Model <i>Eddy Liyanto(The University of Tokyo)</i>	
CS2-59	Study on the relationship between socio-economic conditions and resource usage for concrete construction in Japan <i>Takahashi Hayato(Hokkaido University)</i>	
CS2-60	DEVELOPMENT OF ATTRIBUTE-ASSIGN-EDITOR FOR ROAD SURFACE POINT CLOUD DATA <i>CHANSEAWRASSAMEE WONGSAKORN(Kumamoto University)</i>	
CS2-61	ASSESSMENT OF SURFACE CRACKS AND TEMPERATURE ON POST-FIRE MORTAR <i>Rongviriyapanich Onnicha(Hokkaido University)</i>	September 10 14:30-16:00
CS2-62	EXPERIMENTAL AND MODELLING INVESTIGATIONS ON CEMENT PASTE EXPOSED TO LEACHING AND EXTERNAL SULFATE ATTACK <i>Elakneswaran Yogarajah(The University of Tokyo)</i>	Room -L4
CS2-63	INFLUENCE OF MIXING METHOD ON DURABILITY OF ENTRAINED AIR IN MORTAR OF SELF COMPACTING CONCRETE <i>Rath Sovannsathya(Kochi University of Technology)</i>	
CS2-64	INVESTIGATION OF VOLUMETRIC CHANGE OF CEMENTITIOUS MATERIALS AT DIFFERENT TEMPERATURE AND RELATEIVE HUMIDITY BASED ON PORE-LIQUID INTERACTION <i>Nirmal Raj Joshi(Saitama Unniverisity)</i>	
CS2-65	CHARACTERISATION OF HYDRATED CEMENT TREADED CRUSH ROCK BASE FOR BASECOURSE MATERIAL IN WESTERN AUSTRALIA PAVEMENT <i>JITSANGIAM PEERAPONG(Curtin University)</i>	

Special Session : Presentation of 2014 Study Tour Grant Recipients

1	INFRASTRUCTURE INDUSTRY DEVELOPMENTS IN TURKEY <i>Engin Nacaroglu (Pamukkale University)</i>	September 10 12:45-14:15
2	MYANMAR INFRASTRUCTURE DEVELOPMENT <i>Sithu Wi (Myanmar Engineering Society)</i>	Room -501 *After category 4
3	INFRASTRUCTURE INDUSTRY DEVELOPMENTS IN MONGOLIA(Tentative) <i>Ankhubayar Ulziidiidermaa (Mongolian University of Science and Technology)</i>	