May 16th 2016 10:00 - 10:20

KURAMAE Hall	ROYAL BLUE Hall
Opening Ceremony	

May 16th 2016 10:20 - 12:20

KURAMAE Hall	ROYAL BLUE Hall
Plenary session Chairman: Kimitaka Uji	
MOTTAINAI-WASTEFUL-IN THE FIELD OF CONCRETE *by Nobuaki Otsuki*	
CHALLENGES AND DEVELOPMENT IN TROPICAL CONCRETING PRACTICE *by Chat Tim Tam*	
MICROWAVE-ASSISTED CONCRETE TECHNOLOGY – PRODUCTION, DEMOLITION AND RECYCLING *by Khim Chye Gary Ong*	
PRESTRESSED CONCRETE SEA WALLS AND SHELTERS AGAINST MEGA-TSUNAMIS BASED ON PERFORMANCE CREATIVE DESIGN CONCEPT *by Shoji Ikeda*	

30 mins per keynote presentation with discussions

May 16th 2016 12:20 - 13:30

Lunch Break sponsored by Concrete Curing Service

May 16th 2016 13:30 – 15:00

KURAMAE Hall	ROYAL BLUE Hall
Technical Session 1 / Mineral Admixtures Chairman: Khamhou Saphouvong	Technical Session 2 / Structural Design Chairman: Kimio Saito
THE EFFECT OF SINGLE AND COMPOUND ELECTROLYZED CATHODE WATERS ON PROPERTIES OF CONCRETE *by Liang Wang, Kimitaka Uji, Hisashi Morozumi and Minoru Uemura*	DESIGN AND CONSTRUCTION OF BUTTERFLY WEB BRIDGE - AKUTAGAWA BRIDGE - *by Yuki Kaminaga*
DURABILITY AND APPLICATIONS OF ENVIRONMENTAL-FRIENDLY CONCRETE WITHOUT PORTLAND CEMENT *by Masataka Ogino, Shigeyoshi Miyahara, Reiko Okamoto, Eiji Owaki and Eisuke Nakamura*	DESIGN AND CONSTRUCTION OF LONG-SPAN CONCRETE BRIDGE USING DISPLACEMENT ADJUSTMENT BY HORIZONTAL LOADING. *by Masamichi Yoshino and Kenichi Nakatsumi*
COAL ASH APPLICATION IN CONSTRUCTION INDUSTRY THROUGH AN INTERDISCIPLINARY APPROACH *by Ronaldo Gallardo and Bertrand Teodosio*	DESIGN AND CONSTRUCTION OF OKEGAWA VIADUCT WHICH HAS PRECAST SEGMENTAL U-SHAPED BUTTERFLY WEB GIRDERS *by Kazuo Fujino, Takuya Kojima and Kenichi Nakatsumi*
EFFECT OF CURING TEMPERATURE ON COMPRESSIVE STRENGTH OF ALKALI ACTIVATED FLY ASH CEMENT *by Sak Sanchindapong, Manow Piyaworapaiboon, Sakprayut Sinthupinyo and Arnon Chaipanich*	ANALYTICAL EVALUATION FOR SHEAR FATIGUE LOAD CARRYING BEHAVIOUR OF CRACKED RC BEAMS BASED ON THE LOAD PATH *by Yuta Yamada, Nobuhiro Chijiwa and Mitsuyasu Iwanami*
INFLUENCES OF ADDING MINERAL ADMIXTURES AND SECONDARY WET CURING ON THE COMPRESSIVE STRENGTH AND DURABILITY OF STEAM CURED MORTARS *by Yosuke Azuma, Hiroaki Mori and Katsuhiko Tada*	COMPOSITE TRUSS BRIDGE USING SUSPENDED CONCRETE SLABS: RESEARCH AND PRACTICAL APPLICATION *by Shinichiro Kumagai, Shoji Ikeda and Hiroyuki Uchibori*
PERVIOUS CONCRETE MEMBRANES CONTAINING SYNTHESIZED ZEOLITE NaA FROM CORNCOB ASH AND ITS APPLICATION FOR SEAWATER DESALINATION *by Norway Pangan, Susan Gallardo, Pag-asa Gaspillo, Winarto Kurniawan and Hirofumi Hinode*	EXPERIMENTAL STUDY ON A NEW TYPE OF SIDE BLOCK FOR BRIDGE BEARING *by Guangfeng Zhang, Kentaro Kuraji, Yuuji Migitaka and Keita Osumi*

12 mins per presentation with discussions

May 16th 2016 15:00 - 15:30

Coffee Break sponsored by CORE Institute of Technology

May 16th 2016 15:30 – 17:00

KURAMAE Hall	ROYAL BLUE Hall
Technical Session 3 / Prestressed Concrete Chairman: Thi Thu Dung	Technical Session 4 / Non-destructive Testing Chairman: Takahiro Nishida
HYBRID PRESTRESSED BRIDGES WITH STEEL TRUSS WEBS THE SARUTAGAWA BRIDGE AND THE TOMOEGAWA BRIDGE *by Koji Osada, Taketo Kanamoto, Jiro Iwatate and Osamu Usami*	FREQUENCY SPECTRUM ANALYSIS ON ACOUSTIC DATA OF HAMMERING TEST FOR DETERIORATED RC MEMBER *by Katsufumi Hashimoto, Tomoko Fukuyama, Yunmi Kim, Yuuji Ushiwatari and Masakazu Sakou*
INTRODUCTION OF STEEL-PRESTRESSED CONCRETE COMPOSITE STRUCTURE BRIDGE (SPC BRIDGE) *by Anh Quang Thang, Kei Hirai, Ryohei Kurosawa and Shoji Ikeda*	NON-DESTRUCTIVE EVALUATION METHODS USING ELASTIC WAVE GENERATED BY ELECTROMAGNETIC PULSE FOR SOUNDNESS OF ADHESIVE PORTION AROUND ANCHOR BOLTS IN CONCRETE MEMBERS *by Hirokazu Miyata, Shinya Uchida and Toshiro Kamada*
THE INVESTIGATION OF PRE-STRESS AND STRENGTHENING DESIGN REPORT OF THE PRE-TENSION PCT BEAM WHICH WAS DAMAGED BY CHLORIDE ATTACK *by Takashi Haga, Hiroyuki Itou, Masaki Yonemoto, Kenichi Hida and Kouta Yamaguchi*	PROPOSAL OF HIGH-SPEED IMAGE CORRELATION ALGORISM FOR CEMENTITIOUS COMPOSITE MATERIAL BY USING SHAPE FUNCTION by Yasutaka Noma *and Ken Watanabe*
A STUDY OF THE INJECTION METHODS OF PC GROUT *by Ryota Kudo, Shigeo Tanabe, Yusuke Sakata and Takeju Matsuka*	EVALUATION OF COVERCRETE QUALITY OF CONCRETE STRUCTURES BY SURFACE WATER ABSORPTION TEST *by Akira Hosoda and Kazuhiko Hayashi*
EFFECTS OF LOCAL CORROSION ON FLEXURAL BEHAVIOR OF POST-TENSIONED PRESTRESSED CONCRETE BEAMS *by Kazuhiro Kozu, Shigehiko Saito and Yasuhiro Kinugasa*	ACCURACY CONFIRMATION OF PREDICTED VALUES OF CATHODIC PROTECTION CURRENT DISTRIBUTION BY 3D-FEM *by Hiroshi Minagawa, Makoto Hisada, Atsushi Kashima, Makoto Yamamoto and Mikio Wakasugi*
INTRINSIC RESTORATION CAPABILITY OF PRESTRESSED CONCRETE STRUCTURES *by Ryouhei Kurosawa, Shoji Ikeda and Kei Hirai*	

12 mins per presentation with discussions

May 16th 2016 18:30 - 21:30

Symposium Dinner @ Excel Hotel Tokyu Futakotamagawa

May 17th 2016 09:00 – 10:30

KURAMAE Hall	ROYAL BLUE Hall
Technical Session 5 / Recycle and Repair Chairman: Nathaniel Baniel Diola	Technical Session 6 / Properties of Concrete Chairman: Aung Kyaw Min
EFFECTIVENESS OF RECYCLED NYLON FIBERS AS A MORTAR STRENGTHENING MATERIAL *by Shanya Orasutthikul, Hiroshi Yokota, Katsufumi Hashimoto and Daiki Unno*	STUDY ON THE ANCHORAGE MECHANISM OF CFRP GRID IN MORTAR *by Bo Wang, Kimitaka Uji, Vu Dung Tran Tran and Ngoc Linh Vu*
TECHNICAL DEVELOPMENT THROUGH RECYCLING OF THE DEBRIS DUE TO THE GREAT EAST JAPAN EARTHQUAKE *by Makoto Hisada, Koichi Kobayashi, Kenichi Horiguchi, Nobufumi Takeda and Masao Nishimura*	BASIC EXAMINATION FOR PRACTICAL USE OF GEOPOLYMER BLOCK SLEEPERS REINFORCED BY SHORT FIBER *by Minoru Tsukahara, Nobuhiro Oki, Takatsune Sato and Motoki Uehara*
PRACTICAL EXAMPLE OF ELECTROCHEMICAL REPAIR WITH WATER SUPPLY CURING SYSTEM *by Atsushi Saito, Akira Shono, Shu Yamamoto and Nobuaki Otsuki*	STUDY ON A DEBONDING MECHANISM OF SHOTCRETE *by Shinya Ikehata, Takatomo Watanabe and Hikaru Nakamura*
DEVELOPMENT OF JACKETING METHOD FOR PIER PILES USING ULTRA HIGH PERFORMANCE-STRAIN HARDENING CEMENTITIOUS COMPOSITE *by Jun Kutsuna, Minoru Kunieda, Mitsuyasu Iwanami, Ema Kato and Ryoichi Tanaka*	FUNDAMENTAL PROPERTY OF HARDENED CEMENT PASTE AND MORTAR HEATED UP TO 1500 DEGREE CELSIUS *by Shintaro Miyamoto, Yuta Seki, Hiroshi Minagawa and Makoto Hisada*
A STUDY ON THE NEW WATER LEAK REPAIR METHOD FOR SUBWAY TUNNELS USING CRACK SELF-HEALING REPAIR MATERIALS *by Tatsuro Hashimoto, Tea-Ho Ahn, Tetsuya Murakami, Norihiko Ogura and Toshiharu Kishi*	Investigation of Time-Dependent Development of Flexural Cracks of a Long Span RC Box Girder Considering Shrinkage Property of Concrete *by Satoshi Komatsu and Akira Hosoda*
SOME CASE OF SURVEY AND REPAIR ON DAMAGED RC VOIDED SLAB BRIDGES *by Toru Tsuchihashi and Syozo Nishiyama*	EFFECTS OF CFRP SHEETS ON SHEAR STRENGTHENING OF PC BEAMS WITHOUT SHEAR REINFORCEMENT *by Thi Thu Dung Nguyen, Koji Matsumoto, Masahiko Yamada and Junichiro Niwa*
REHABILITATION OF PC TENDONS IN INCOMPLETE GROUT INGRESSED DE-ICING SALT *by Toshiyuki Aoyama, Tomoshige Kamotani, Naotoshi Fukagawa, Kouji Ishii and Hidenori Morikawa*	RESEARCH ON STRENGTH AND INTERNAL FORMATION OF HARDENED CEMENT MIXED WITH SEAWATER *by Keisaburo Katano, Nobufumi Takeda, Kumiko Kobayashi and Nobuaki Otsuki*

12 mins per presentation with discussions

May 17th 2016 10:30 - 11:00

Break

May 17th 2016 11:00 – 12:30

KURAMAE Hall	ROYAL BLUE Hall
Technical Session 7 / Management of Concrete Structures Chairman: Keiyu Kawaai	Technical Session 8 / Construction Chairman: Katsufumi Hashimoto
LCM OF OPEN TYPE WHARF RC DECK BASED ON NATION-WIDE SURVEYS OF REAL STRUCTURES CARRIED OUT BY PARI (FORMER PHRI) *by Hiroshi Seki, Nobuaki Otsuki, Hidenori Hamada and Toru Yamaji*	WATER RETENTION MOISTURE CURING MAT FOR VERTICAL CONCRETE PLANE *by Ryoichi Tanaka, Tsutomu Fukute and Takahiko Amino*
SUSTAINABLE RENEWAL PLAN FOR EXPRESSWAY BRIDGES IN JAPAN *by Hideaki Sakai*	PROPERTIES OF SELF-COMPACTING CONCRETE WITH DIFFERENT SOURCES OF MIXING COARSE AGGREGATE *by Khamhou Saphouvong, Somnuk Phiathep, Khampaseuth Thepvongsa, Singvixay Simixay and Soukan Khamphachanh*
A CASE STUDY ON DURABILITY TESTS FOR CONCRETE IN CONSTRUCTION PROJECTS *by Keisuke Matsukawa, Aung Kyaw Min, Chikaharu Kobayashi and Shiro Ishikawa*	INFLUENCE OF CURING WATER CONTAINING VARIOUS IONS ON PERMEABILITY OF CONCRETE AND ITS APPLICATION TO WATER SUPPLY CURING METHOD *by Kazuki Ishihara, Atsushi Saito and Nobuaki Otsuki*
FEM SIMULATION OF CRACKING OF NATM TUNNEL LINING CONCRETE *by Keita Iwama and Akira Hosoda*	EFFECT OF CURING TEMPERATURE ON COMPRESSIVE STRENGTH AND MICROSTRUCTURE OF ALKALI-ACTIVATED METAKAOLIN CEMENT MORTARS *by Kornnika Wianglor, Sakprayut Sinthupinyo, Manow Manow Piyawarapaiboon and Arnon Chaipanich*
DURABILITY DESIGN OF CONCRETE STRUCTURE IN THE ARABIAN GULF OIL AND GAS PROJECTS *by Yoshitaka Sato*	FLEXURAL CRACK WIDTH REDUCTION EFFECTS OF STAINLESS STEEL BARS IN THE CONCRETE COVER OF AN RC STRUCTURE *by Hiroshi Murata and Hitoshi Takeda*
EXPERIMENTAL AND SIMULATION STUDY OF STRENGTHENING FIRE-DAMAGED REINFORCED CONCRETE SLAB BY NEAR-SURFACE MOUNTED (NSM) METHOD *by Thi Nguyen Cao, Withit Pansuk and Lluis Torres*	3D PRINTING USING GEOPOLYMER FOR CONCRETE CONSTRUCTION *by Ming Xia and Jay Sanjayan*
POTENTIAL ISSUES WITH GENERATION AND STABILITY OF AIR-VOID SYSTEM DUE TO INCOMPATIBILITY OF COMPONENTS IN PLAIN AND FLY ASH CEMENTITIOUS MIXTURES 15PP *by Jan Olek and Chaitanya Paleti*	

12 mins per presentation with discussions

May 17th 2016 12:30 - 14:00

Lunch Break

May 17th 2016 14:00 – 15:50

KURAMAE Hall	ROYAL BLUE Hall
Technical Session 9 / Steel Corrosion and Corrosion Control Chairman: Hiroshi Minagawa	Technical Session 10 / Seismic Behavior and Strengthening Chairman: Nobuhiro Chijiwa
TEMPERATURE DEPENDENCY OF DETERIORATION PROCESS DUE TO CHLORIDE ATTACK *by Takahiro Nishida, Nobuaki Otsuki and Hiroshi Minagawa*	SEISMIC BEHAVIOR OF REINFORCED CONCRETE COLUMNS UNDER NEAR FIELD EARTHQUAKE *by Takahiro Yamaguchi, Kei Hirai, Ryohei Kurosawa and Shoji Ikeda*
CHLORIDE PENETRATION PROFILES IN EXISTING HARBOR STRUCTURES CONSTRUCTED WITH ORDINARY PORTLAND CEMENT AND BLAST FURNACE SLAG CEMENT *by Takahiko Amino and Nobuaki Otsuki*	AEM MODELLING AND ANALYSIS FOR SEISMIC EVALUATION OF MASONRY INFILLED REINFORCED CONCRETE BUILDINGS *by Arifa Iffat Zerin, Akira Hosoda and Hamed Salem*
STUDY OF CORROSION PROPERTY OF STEEL BARS IN CONCRETE UNDER DIFFERENT TIDAL ENVIRONMENTS *by Kazuhide Yonamine, Toru Yamaji, Yoshikazu Akira, Hidenori Hamada and Nobuaki Otsuki*	CONSTRUCTION OF KOTAKI-RIVER BRIDGE USING UFC-SUQCEM CAST IN SITE *by Shuji Yanai, Yuji Watanabe, Toshimichi Ichinomiya, Kentaro SUHARA and Katsuaki Iriuchijima*
DURABILITY OF SEAWATER MIXED CONCRETE WITH DIFFERENT CEMENT REPLACEMENT RATIO OF BLAST FURNACE SLAG (BFS) AND FLY ASH (FA) *by Aung Kyaw Min, Nobuaki Otsuki, Tomohiro Nagata and Cheng Yi*	SEISMIC RETROFITTING USING CERAMIC-CAP-BAR FOR UNDERGROUND STRUCTURES *by Keigo Tamano, Naoki Sogabe, Masaaki Ueda and Shinichi Yamanobe*
A FUNDAMENTAL STUDY ON THE INFLUENCE OF MACRO-CELL CORROSION ON ELECTRICAL MEASUREMENT OF REINFORCED CONCRETE *by Nozomu Someya, Yoshitaka Kato and Ema Kato*	EXISTING RC FRAMES CONNECTED THROUGH RC SLABS TO EXTERIOR RETROFITTING FRAMES WITH MILD-PRESS-JOINTS *by Ryotaro Kurosawa, Hiroyasu Sakata, Yuki Shirai and Yasuhiro Matsuzaki*
A NOVEL METHOD IN ENHANCING CORROSION RESISTANCE IN CONCRETE USING AEROBIC BACILLUS SUBTILIS *by Keiyu Kawaai, Takahiro Nishida, A. Saito and I. Ujike*	LOAD-BEARING CAPACITY OF A HYBRID STRUCTURAL FOOTING EMBEDDED WITH STEEL GRID MEMBERS *by Shigeru Ihara, Hisatomo Matsuzaki and Takashi Saito*
CHLORIDE PENETRATION AND ITS RELATION TO OTHER PROPERTIES OF SELF-COMPACTING CONCRETE CONTAINING HIGH LEVEL FLY ASH AND SILICA FUME *by Arnon Chaipanich, Watcharapong Wongkeo, Pailyn Thongsanitgarn and Athipong Ngamjarurojana*	COMPARISON OF THE ENVIRONMENTAL IMPACTS OF A COMPOSITE AND A STEEL BUILDING WITH THE APPLICATION OF LOW-CARBON MATERIALS *by Han Yu, Julian Chun-Fai Lee, Siu-Lai Chan and Tak-Ming Chan*
	HIGH SEISMIC PERFORMANCE BRIDGE PIER COLUMN USING ULTRA HIGH STRENGTH FIBER REINFORCED CONCRETE *by Kimio Saito, Shinichi Yamanobe, Tetsuya Kono, Naoki Sogabe*

12 mins per presentation with discussions

May 17th 2016 16:15 – 17:00

KURAMAE Hall	ROYAL BLUE Hall
Closing Ceremony	