

The 9th German-Japanese Bridge Symposium, Kyoto, Japan

GJBS 2012

Program

Aim and Topic of the Symposium

The aim of the 9th German-Japanese Symposium is not only the exchange of knowledge and discussion on various technical topics on steel and composite bridges but also the encouragement of friendship among engineers and researchers in both countries. The main theme of this symposium is "bridge safety, management and monitoring". The papers to be presented for the symposium are preferred to fall into one of the following topics:

- (1) safety of bridges (theme topic)
- (2) maintenance and monitoring of bridges (theme topic)
- (3) design and construction of steel, composite and concrete bridges
- (4) fatigue and strength of steel bridges
- (5) railway and road bridges.
- (6) natural disaster (earthquake, tsunami, etc.)

Symposium Organization

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Prof. K. ZILCH, Germany

Prof. S. MATSUI, Japan

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Prof. K. HASHIMOTO, Japan

Prof. Y. KITANE, Japan

Secretary

Prof. Y. OSHIMA, Japan

Symposium Information

Venue

Kyoto University, Yoshida Campus

-Conference rooms and international conference rooms in Clock Tower Centennial Halls

http://www.kyoto-u.ac.jp/en/access/getting/getting_1.htm

<http://www.kyoto-u.ac.jp/en/access/campus/main.htm>

Secretariat Office

Secretariat office of GJBS2012 will be operated in Meeting Room 4 (second floor).

On site registration

Registration on site can be proceeded in the reception desk located in the first floor (first day) or the second floor (second day).

Registration fee

General 35,000 JPY

Student 10,000 JPY (excluding Banquet fee)

Reception

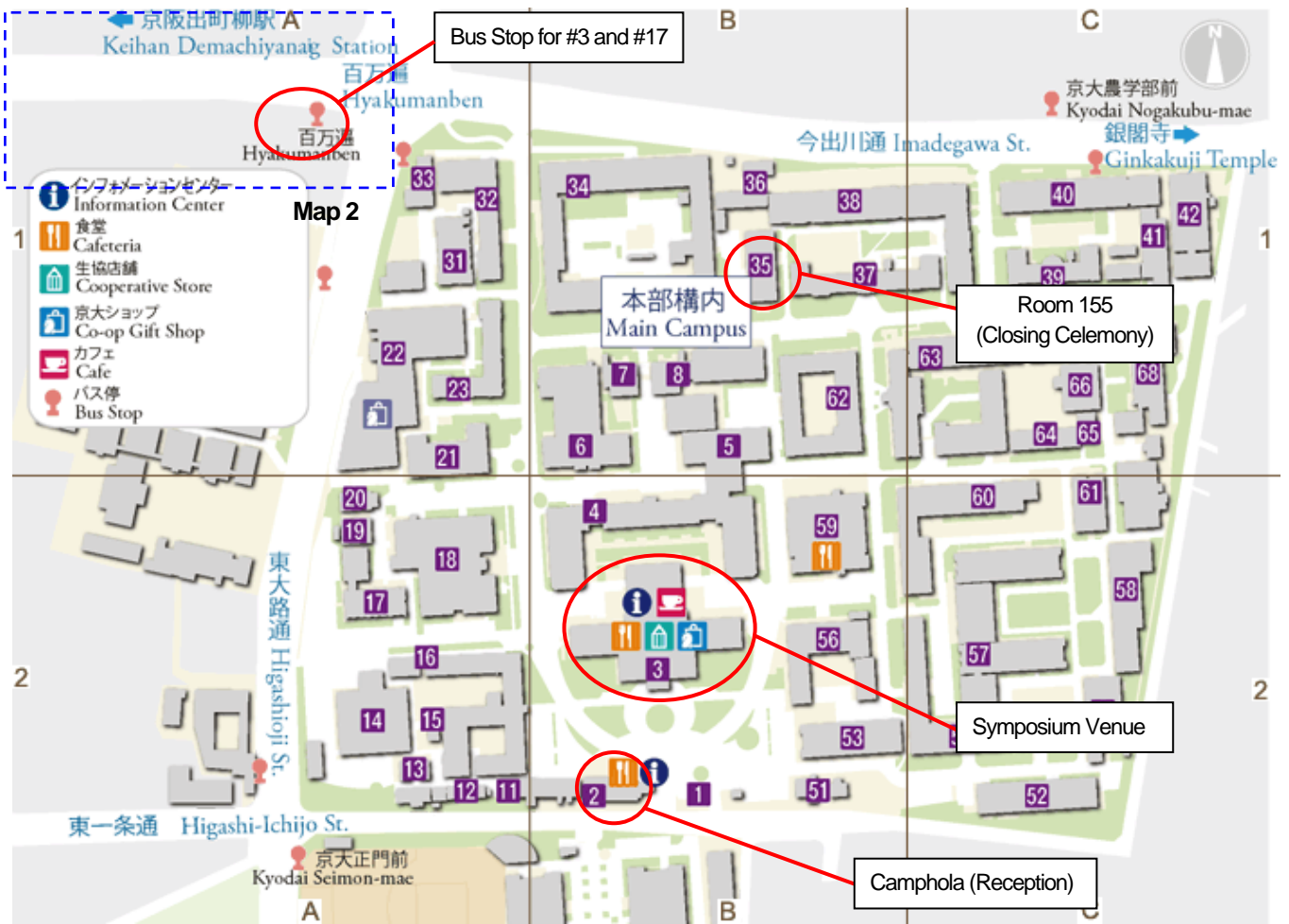
Reception will be held in Camphola in Kyoto University. Camphola is next to the main gate of Yoshida Campus. Reception party will start at 18:00.

Banquet

Banquet will be held in Kyoto Royal Hotel & Spa. From the venue to the hotel, public bus of #3 and #17 or keihan train (Demachiyana St. to Sanjo St.) is available. Banquet will start at 19:00.

<http://www.ishinhotels.com/kyoto-royal/en/>

Yoshida Campus



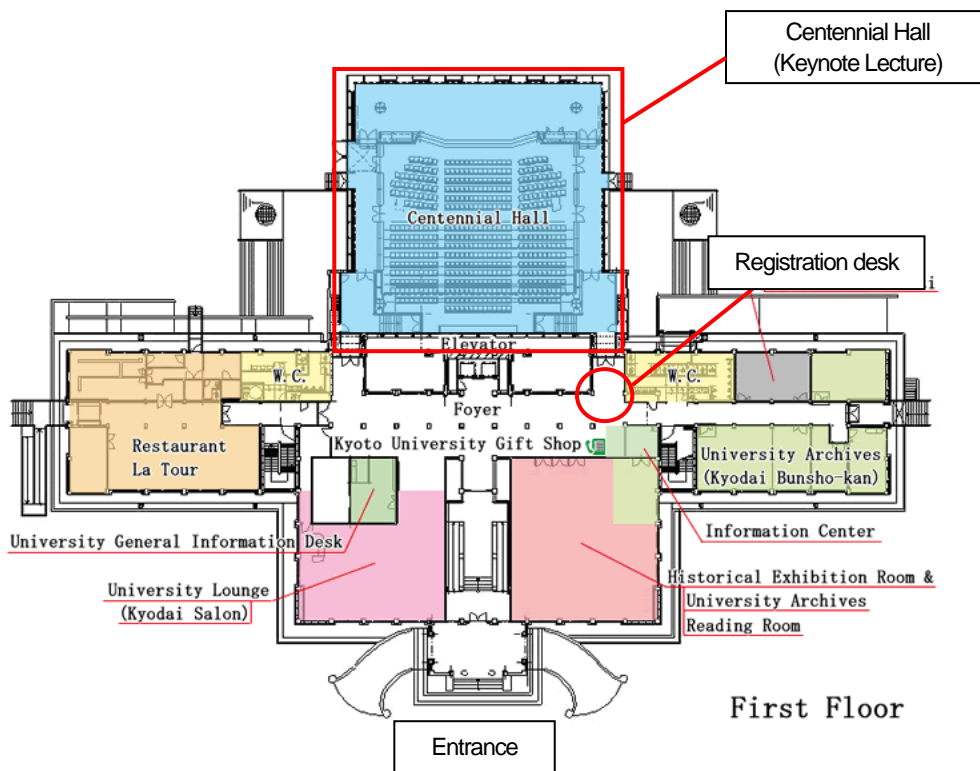
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<http://www.kyoto-u.ac.jp/en/access/campus/main.htm>



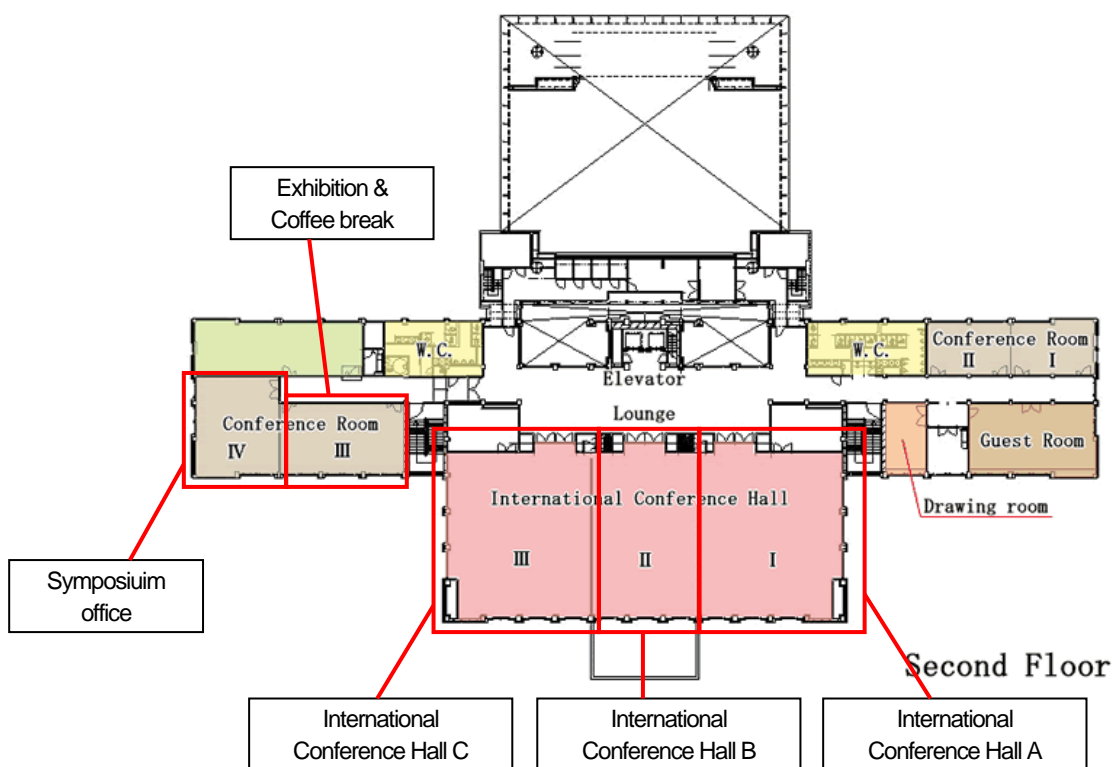
Map 2 (Demachiyanaig St. to Campus)

Clock Tower Centennial Halls

First Floor



Second Floor



Kyoto Royal Hotel & Spa (Banquet)



Exhibition

Exhibition booths are located in Conference room 3 (second floor).

Bridge Life Extension Project



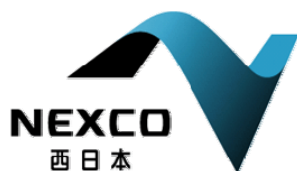
Hanshin Expressway Co., Ltd



Hilti Cooperation, Japan



West Nippon Expressway Co.,Ltd



Symposium Overview

September, 10th								
		Centennial hall	Conference Hall A	Conference Hall B	Conference Hall C	Conference room 3	Room 155	
9:30	10:00	Registration						
10:00	10:30	Opening ceremony						
10:30	11:15	Keynote lecture 1						
11:15	12:00	Keynote lecture 2						
12:00	13:00	Lunch (Conference room 1-3)						
13:00	13:45	Keynote lecture 3				Exhibition		
13:45	14:30	Keynote lecture 4				Exhibition		
14:30	15:00	Coffee break (Meeting Room 3)						
15:00	17:00		Session 1A	Session 1B	Session 1C	Exhibition		
18:00	20:00	Reception (Camphola)						

September, 11th								
		Centennial hall	conference Hall A	conference Hall B	conference Hall C	Conference room 3	Room 155	
9:30	11:30		Session 2A	Session 2B	Session 2C	Exhibition		
11:30	12:30	Lunch (Conference room 1-3)						
12:30	14:15		Session 3A	Session 3B	Session 3C	Exhibition		
14:15	14:45	Coffee break (Meeting Room 3)						
14:45	16:15		Session 4A	Session 4B	Session 4C	Exhibition		
16:45	17:00						Closing ceremony	
19:00	21:00	Banquet (Kyoto Royal Hotel)						

12th Sep (Technical Tour)								
8:30	9:30	Bus departure at Kyoto Royal hotel						
9:30	11:30	Technical tour to Katsura Campus						
11:30	12:30	Lunch						
12:30	16:00	Technical tour to the construction site of Hanshin Expressway						
17:30		Return to Kyoto Royal hotel						

Technical Excursion to Shikoku, 13-14, September

Technical Program

		Conference Hall A	Conference Hall B	Conference Hall C
September 10th	09:30-10:00	Registration		
	10:00-10:30	Opening Ceremony (Clock tower centennial hall)		
	10:30-12:00	Keynote lecture(1) and (2) (Clock tower centennial hall)		
	12:00-13:00	Lunch (Conference Hall)		
	13:00-14:30	Keynote Lecture(3) and (4) (Clock tower centennial hall)		
	14:30-15:00	Coffee Break		
	15:00-17:00	Session 1A : Seismic design & Device	Session 1B : Composite structure	Session 1C : Monitoring & Assessment (1)
September 11th	09:30-11:30	Session 2A : Analysis	Session 2B : Design & Construction (1)	Session 2C : Monitoring & Assessment (2)
	11:30-12:30	Lunch (Conference Hall)		
	12:30-14:15	Session 3A : Member & Structural performance	Session 3B : Design & Construction (2)	Session 3C : Fatigue & Strengthening (1)
	14:15-14:45	Coffee Break		
	14:45-16:15	Session 4A : New material	Session 4B : Common	Session 4C : Fatigue & Strengthening (2)
	16:30-17:00	Closing Ceremony (Room 155)		

September, 10th (MON) Kenynote Lecture

Clock tower centennial hall	
10:30-12:00	<p>Keynote Lecture(1) and (2) Chairs: Kunitomo SUGIURA & Ingbert MANGERIG</p> <p>Structural Assessment of Existing Concrete Bridges in Germany <i>E.h. Konrad ZILCH and Daniel DUNKELBERG</i></p> <p>Bridges and their technologies in the Hanshin Expressway <i>Hidesada KANAJI</i></p>
13:00-14:30	<p>Keynote Lecture(3) and (4) Chairs: Kunitomo SUGIURA & Ingbert MANGERIG</p> <p>Technology development of West Nippon Expressway <i>Yasuo HOZAKI</i></p> <p>Sustainable Bridge Design -a New Challenge for Engineers? <i>Martin MENSINGER, Tim ZINKE, Marjolaine Pfaffinger and G. Schmitt-Thrö</i></p>

September, 10th (MON) Parallel session

	Conference Room-A	Conference Room-B	Conference Room-C
15:00-17:00	<p>Session 1A: Seismic design & Device Chairs: Uwe DORKA & Akira KASAI</p>	<p>Session 1B: Composite structure Chairs: Guenter SEIDL and Teruhiko YODA</p>	<p>Session 1C: Monitoring & Assessment (1) Chairs: Yoshimi SONODA</p>
	<p>Ultimate Strength and Seismic Behavior for Half-through Steel Arch Bridge <i>Evi Nur CAHYA, Toshitaka YAMAO and Nobumitsu MORIYAMA</i></p>	<p>Study on Shape and Placement Depth of Approach Slab Applied to Integral Abutment Bridge <i>Nobumasa IWASAKI, Nobuyuki NIIHIRA, Kazuo TAKEHARA, Osamu OHYAMA and Akimitsu KURITA</i></p>	<p>On the Identification of Loads and Structural Properties with the Method of Inverse Finite Elements (IFEM) <i>Sebastian ROESLER, Renato EUSANI, Michael HORTMANN and Wolfhard ZAHLTEN</i></p>
	<p>Effect of Revised Level 2 Earthquake Ground Motions (Type I) on Nonlinear Response of Steel Bridge Piers <i>Sayuri KITAICHI, Kiyoshi ONO and Seiji OKADA</i></p>	<p>Analysis on the Distortional Behavior of Composite Box Girders <i>Luo GUOQING, Mensinger MARTIN and Ndogmo JOSEPH</i></p>	<p>An Estimation Method of Varying Frequency with Time for Bridge under the Passing Train Load <i>Kodai MATSUOKA and Kiyoyuki KATIO</i></p>
	<p>Seismic Retrofit of Existing RC Pier with Reinforcing Steel Bar and CFRP Grid by Polymer Cement Mortar for Shotcrete. <i>Satoru NAKAMURA, Kohei YAMAGUCHI, Shinichi HINO and Koichi SATO</i></p>	<p>A Study on Behavior of the Rigid Frame Bridge with Steel Girders Embedded in RC Abutments due to Influence of Temperature <i>Hirokazu MIYATA, Takeshi OSHIRO, Michiaki SAKATE and Yoshito MAEDA</i></p>	<p>Field Measurement of Low Frequency Sound Radiated from Highway Viaducts with Several Kinds of Expansion Joints <i>Masahiko TSUBOMOTO, Mitsuo KAWATANI, Yohei TAKAMI and Naoki KAWADA</i></p>

<p>Applications of Steel Bellows with Different Steel Material for Seismic Safety of a Viaduct <i>Shinya HIRAHARA, Masahide MATSUMURA, Hiroshi ZUI, Kentaro TANAKA and Takashi YAMAGUCHI</i></p>	<p>Slip Strength of Perforated Rib Shear Connector Affected from the Concrete Confinement <i>Yuuichi DOUKAN and Katashi FUJII</i></p>	<p>Dynamic Behavior of High-Speed-Railway-Bridges <i>Steffen MARX and Sebastian SCHNEIDER</i></p>
<p>Advanced ML-MD Goseb Seismic Isolation System for Efficient Seismic Protection of Bridges in Southeast Europe <i>Danilo RISTIC, Uwe DORKA and Jelena RISTIC</i></p>	<p>Experimental Study on Crack Width of Continuous Composite Girder with Steel-concrete Composite Deck <i>Takashi KAMIJO, Taro TONEGAWA and Masatsugu NAGAI</i></p>	<p>Field Measurements of Traffic-induced Vibration of Straddle-Type Monorail PC Girder Viaducts <i>Mitsuo KAWATANI, Chul-Woo KIM, Kiichi FUJITA, Takuya ENMEI, Eiichi KASHIWAGI and Yoshihiro OKASHIGE</i></p>
<p>Comparative Study between 2D Seismic Design Methods for Steel Bridge Piers with Circular Cross-section <i>Kohei HASHIMOTO, Akira KASAI and Kulkarni Nishigandha GAJANAN</i></p>	<p>Mechanical Performance of Group Studs Shear Connector under Effect of Bending-induced Concrete Cracks <i>Chen XU and Kunitomo SUGIURA</i></p>	<p>Vibration Monitoring of a Steel Box Girder Bridge Using Wireless Sensors <i>Mitsuo KAWATANI, Chul-Woo KIM, Hiromasa DOI and Ai YAMANO</i></p>
<p>Seismic Performance Investigation on High-speed Railway Train-bridge System Considering Their Coupled Vibration <i>Xingwen HE, Mitsuo KAWATANI, Toshiro HAYASHIKAWA, Chul-Woo KIM and Takashi MATSUMOTO</i></p>	<p>Experimental and Numerical Study on Shear Behavior of Partially Encased Composite I-girders with Corrugated Steel Web <i>Jun He, Zhaofei LIN, Yuqing LIU, Airong CHEN and Teruhiko YODA</i></p>	<p>Monitoring of Dynamic Properties of Bridges by Terrestrial Microwave Interferometry <i>Jens SCHNEIDER, Matthias BECKER, Gwendolyn LAUFER and Jonas HILCKEN</i></p>
<p>Experimental Study on Dynamic Response Characteristic of the Bridge Restrainer Plate System with Shock Absorber Device <i>Naoki WADA, Hiroki TAMAI, Yoshimi SONODA and Satoru MUNEMOTO</i></p>	<p>The Continuation Method of Existing Bridges by Connecting Slabs for Removing Expansion Joints <i>Misa Fujibayashi, Katsuaki Komoto and Koichi Sugioka</i></p>	<p>Monitoring of Newly Constructed Portal Rigid-frame Bridge in Osaka <i>Yuhei KAWAMOTO, Takashi YAMAGUCHI, Akihiko YOSHIKAWA, Nobuto OKUBO and Masahide MATSUMURA</i></p>

September, 11th (Tue) Parallel session

	Conference Room-A	Conference Room-B	Conference Room-C
09:30-11:30	Session 2A: Analysis Chairs: Ingbert MANGERIG & Toshiro HAYASHIKAWA	Session 2B: Design & Construction (1) Chairs: Kunitomo SUGIURA	Session 2C: Monitoring & Assessment (2) Chairs: Chul Woo Kim
	Dynamic Response Analysis of Steel Truss Bridges with Different Types of Stress-strain Relationship of Steel <i>Azusa MICHITANI, Kiyoshi ONO, Tetsunari IMAMURA and Nobuo NISHIMURA</i>	Design and Construction of NAGATA Bridge <i>Ken OUE, Hirayoshi IMAI and Mitsuru OTANI</i>	Non-destructive Test for Rupture of Reinforcing Bar by Magnetic Flux Density Method Applied to Single Surface <i>Koki TERASAWA, Makoto HIROSE, Toshiyuki ISHIKAWA, Atsushi HATTORI, Hirotaka KAWANO and Toyoaki MIYAGAWA</i>
	Earthquake Response Analyses of Curved Twin I-Girder Bridges under Running Vehicles <i>Xingwen HE, Toshiro HAYASHIKAWA, Mitsuo KAWATANI and Takashi MATSUMOTO</i>	Construction of a Butterfly Web Bridge <i>Kenichiro ASHIZUKA, Kenji MIYAMOTO, Kenichi KATA, Kenichi NAKATSUMI and Akio KASUGA</i>	Indicators for Sustainability Assessment of Road Bridges <i>Marjolaine PFAFFINGER, Martin MENSINGER and Wolfgang SCHNELL</i>
	Finite Element Analysis of the Elastomeric Ring Bearing <i>Ingbert MANGERIG, Toshihisa MANO and Johanns DISTL</i>	Nonpenetrativ Damping Construction for Expansion Joints in Canal Bridges <i>Gerhard HANSWILLE and Marco BERGMANN</i>	A Fundamental Study on the Diagnostic Methods for the Existing RC Structure Using Infrared Thermography and Hammering Sound Test <i>Tatsuro WATANABE and Yoshimi SONODA</i>
	Elasto-plastic Behavior of Steel Frame Structures Taking into Account Buckling Damage <i>Hamid AFZALI, Toshitaka YAMAO, Akira KASAI and Keizo YAMAMOTO</i>	Design and Construction of Highway Viaduct Supported by New Steel Pipe Integrated Pier with Shear Link <i>Masatsugu SHINOHARA, Hidesada KANAJI, Takashi KOSAKA and Tsutomu IMAI</i>	Detecting Anomaly of an In-service Bridge Utilizing Bayesian Regression <i>Kitauchi SOTARO, Chul-Woo KIM and Kunitomo SUGIURA</i>
	Evaluation of Ultimate Compressive Strength of Corroded Steel Plates <i>Songkeo SYPHAVANH and Satoshi NARA</i>	Experimental Study on Low Cycle Fatigue Behavior of Concrete-filled Steel Bridge Piers <i>Jin-Eun PARK, Takeshi HANJII, Kazuo TATEISHI and Sung-Min CHOI</i>	Wavelet Based Damage Detection Approach for Bridge Structures Utilising Vehicle Vibration <i>Patrick J. MCGETRICK and Chul Woo KIM</i>
	Performance of Steel Bridge Curved Railing Using the Numerical Analysis <i>Le THANH and Yoshito ITOH</i>	Seismic Retrofit Design of a Steel Deck-type Langer Bridge with Seismic Dampers -Nishiike Bridge of Hanwa Expressway- <i>Akira TAKAHASHI, Kazuyoshi SUKO, Tatsuo OGATA, Tomoaki NAKAMURA, Yuzuru HIROKAWA and Hiroshi EGUCHI</i>	Statistical Analysis about a Difference of Pot-hole Generation Process between Bridge and Embankment <i>Bunpei MIYAZAKI and Kiyoyuki KAITO</i>
	Analytical Study on Ultimate Strength of Welded Steel Columns with Box Section <i>Tetsunari IMAMURA, Kiyoshi ONO, Azusa MICHITANI, Seiji OKADA and Nobuo NISHIMURA</i>	Military Live Load Model Consideration for Recalculation of Existing Bridges <i>Roman LENNER and Manfred KEUSER</i>	Bayesian Estimation of Mixed Markov Deterioration Hazard Model <i>Daijiro MIZUTANI, Kodai MATSUOKA and Kiyoyuki KAITO</i>

	<p>Analytical Solutions for Circular Plates with and without Hole under Symmetric and Antisymmetric Load <i>Matthias SEEL and Geralt SIEBERT</i></p>	<p>Can Current Design Codes Serve as a Basis for a Realistic Determination of the Shear Capacity of Older PC Members? <i>Daniel DUNKELBERG and E.h. Konrad ZILCH</i></p>	<p>Damage Estimates of Various Jointless Bridges <i>Atsuo OGAWA, Saiji FUKADA and Yoshiyuki MOMIYAMA</i></p>
12:30-14:15	<p>Session 3A: Member & Structural performance Chairs: Mitsuo KAWATANI</p>	<p>Session 3B: Design & Construction (2) Chairs: Martin MENSINGER & Yukiko MITSUGI</p>	<p>Session 3C: Fatigue & Strengthening (1) Chairs: Takeshi HANJI</p>
	<p>Study on Quantity of Rust and Corrosion Environment of the Weathering Steel Bridge <i>Ryuichiro NAKAJIMA and Eiji IWASAKI</i></p>	<p>Ecobridge Project Simmerbach: Monitoring Results of a Non-ballast Composite Railway Bridge <i>Daniel PAK, Maik KOPP and Günter SEIDL</i></p>	<p>Parametric Analysis of Asphalt Pavement Property Influence on Orthotropic Steel Bridge Deck Fatigue Life <i>Li MING, Kunitomo SUGIURA and Kunitaro HASHIMOTO</i></p>
	<p>Experimental Study on Slip Behaviour of High Strength Bolted Joints for Underwater Steel Structure <i>Sun HONGHE, Takashi YAMAGUCHI and Masahide MATSUMURA</i></p>	<p>Proposition of a New Type of Jointless System for Existing Concrete Bridges <i>Yuichi ISHIKAWA, Minobu AOYAMA, Masami KUROYANAGI, Masatsugu NAGAI and Takeshi MIYASHITA</i></p>	<p>Fatigue Strength of Corroded Bridge Wires <i>Shunichi NAKAMURA and Keita SUZUMURA</i></p>
	<p>Accelerated Exposure Test for Corrosion of Steel and Its Welded Part under Water <i>Junya TAKEMI, Mikihiro HIROHATA, Yasuo KITANE and Yoshito ITOH</i></p>	<p>First Projects with the Balanced Lift Method <i>Johann KOLLEGGGER, Susanne GMAINER and David WIMMER</i></p>	<p>Fatigue Behaviour of the Bottom Flange with Misaligned Butt Welded Joints <i>Masahiro SAKANO, Daisuke YAMAOKA and Tetsuya MIZUNO</i></p>
	<p>Several Considerations about the Performance and the Evaluation for Bolted Joints <i>Yukiko MITSUGI, Takashi YAMAGUCHI, Yoshihiko TODA and Akihisa KONDO</i></p>	<p>Development and Application of Precast Slab Considering of Rapid Replacing for Miyuki Bridge of Nishi-meihan Expressway <i>Michitaro KIHARA, Kazuya OHARA, Satoshi HISHIDA, Akio SHIROZU, Hiroshi MIZUNO, Takashi HARA and Shigeyuki MATSUI</i></p>	<p>Study on Repairing Method of Existing RC Deck Slabs with Frost Damage <i>Ko KAKUMA, Hiroshi MITAMURA, Shinya OMOTE and Shigeyuki MATSUI</i></p>
	<p>Influence of Material Strength on Ultimate Strength of Austenitic Stainless Steel Plates under In-plane Bending and Compression <i>Yasuhiro MIYAZAKI and Satoshi NARA</i></p>	<p>VFT-Rail Construction Method for Very Slender Railway Bridges <i>Günter SEIDL, Martin MENSINGER and Andreas JÄHRING</i></p>	<p>Finite Element Analysis on the Fatigue of RC Bridge Slabs <i>Takashi MATSUMOTO, Yusuke KAHO, Toshiro HAYASHIKAWA and Xingwen HE</i></p>
	<p>Study on Mechanical Property of Higher Yield Strength Steel Plates for Bridges <i>Takahiro TARUI, Kiyoshi ONO, Masahide MATSUMURA and Jumpei YOSHIYAMA</i></p>	<p>Strengthening of Three Old Bridges across the Main River to Resist Ship Impact <i>M. KEUSER, R. LENNER and R. WENSAUER</i></p>	<p>An Experimental Study on the Fatigue Resistance of Frost-damaged Slabs after Partial Repair Work <i>Shinya OMOTE, Hiroshi MITAMURA, Shigeyuki MATSUI and Toshiro HAYASHIKAWA</i></p>
	<p>Characteristics of Charpy Absorbed Energy of Steel Used for Overged Bridges in Cold Region <i>Hidenori MATSUNAWA, Mikihiro HIROHATA, Hiroshi MITAMURA and Toshiro HAYASHIKAWA</i></p>	<p>Discussion Method by using Dynamic Analysis for Quakeproofing Long-Span Bridges <i>Tadashi Nishikawa, Kiyoki Doi, Kenji Oku and Shunji Nagahashi</i></p>	

14:45-16:15	Session 4A: New material Chairs: Geralt SIEBERT & Yasuo KITANE	Session 4B: Common Chairs: Gerhard HANSWILLE & Takashi YAMAGUCHI	Session 4C: Fatigue & Strengthening (2) Chairs: Masahiro SAKANO
	Adhesive Stresses of Steel Members Strengthened by Externally Bonded CFRP Plates <i>Masaru SHIMIZU, Toshiyuki ISHIKAWA, Atsushi HATTORI and Hirotaka KAWANO</i>	Highlights of Civil Engineering and the UNESCO World Heritage-List <i>Dirk BÜHLER</i>	Reinforcement for Fatigue Damage of Welded Joints of Sole Plate in Steel Railway Composite Girder <i>Yuichiro NIWA, Kentaro MATSUMOTO, Shuji YAJIMA and Yusuke KOBAYASHI</i>
	Experimental Study on Flexural Stiffening Effect of CFRP Strand Sheets Bonded to Steel Beams <i>Yuya HIDEKUMA, Yusuke OKUYAMA, Masatsugu NAGAI, Takeshi MIYASHITA and Akira KOBAYASHI</i>	Modeling and Progressive Failure Behavior Analysis of an Aging Truss Bridge <i>Yuki NISHIMURA, Tomoaki UTSUNOMIYA and Masahiro SAKANO</i>	Analytical Study on Strengthening Effects of U-shaped Splice Plates Attached onto Steel Deck Plates with U-ribs <i>Satoshi KIMURA, Takashi YAMAGUCHI, Yoshio TANBA, Hirohki SUGIYAMA and Masahide MATSUMURA</i>
	Pressure Distribution in Sliding Elements of Structural Bearings <i>Christian BRAUN and Wolfgang FOBO</i>	Effect of Restraint on Residual Stress Generated by Butt-welding for Thin Steel Plates <i>Mikihito HIROHATA and Yoshito ITOH</i>	Study on Deterioration Analysis and Repair Plan for Decks of Highway Bridges by Utilizing Inspection Data <i>Kazuaki YOKOYAMA, Shigeki KARIYAMA and Yoshiaki IKAWA</i>
	Alternate-loading Test of RC Bridge Piers Reinforced with Continuous Fiber Sheet against Bending Failure <i>Toshikazu SAWAMATSU, Hiroshi MITAMURA, Hiroaki NISHI and Takashi MATSUMOTO</i>	Application of Laminated Glass for Noise Protection Walls of High Speed Railway Lines and Test-based Assessment of its Fatigue Behaviour <i>Andreas NÄSSL and Martin MENSINGER</i>	Wheel Load Running Test on Orthotropic Deck to Recreate the Cracks Penetrating Welding Beads <i>Hiroshi ONISHI</i>
	Reduction Technique of Thermal Stress Induced in Steel Plate Strengthened with CFRP Plates <i>Toshiyuki ISHIKAWA, Atsushi HATTORI, Hirotaka KAWANO, Takashi NAGAO and Akira KOBAYASHI</i>	Glass Balustrades and Facades on Pedestrian Bridges <i>Barbara SIEBERT and Tobias HERRMANN</i>	Study on Fatigue Durability by Filling of Mortar in U-shaped Rib of Orthotropic Steel Deck <i>Akiko Tabata, Yasumoto Aoki, Hiroshi Onishi and Shigeyuki Matsui</i>
	Experimental Study on Flexural Behavior of Steel and GFRP Composite I Section Beams <i>Lee Eng MING, Kunitaro HASHIMOTO, Hideki HIBI, Itaru NISHIZAKI and Kunitomo SUGIURA</i>	Dynamic Experiments on a Highway Viaduct with Different Pavement and Parapet Conditions <i>K.C. CHANG and C.W. KIM</i>	Crack Propagation at Rib-to-Deck Welded Joints in Orthotropic Steel Decks <i>Xiaochen JU, Kazuo TATEISHI and Sung-Min CHOI</i>

Technical tour

September, 12th (Wed)

Technical Tours will depart on the Wednesday 12th September 2012, from the Kyoto Royal Hotel & Spa. The below technical tour timetable summaries are initial timings. All timings are subject to change. Please ensure that return times may vary due to traffic and travel and estimations. Registration is required for all participants in advance.

FACILITIES:

Kyoto University, Katsura Campus (Kyoto)
Construction site -Hanshin Express Way, Ebie Junction- (Osaka)

TOUR DATE / TIME

8:30		Bus to depart Kyoto from Kyoto Royal Hotel & Spa
8:30	- 9:30	Travel to Katsura Campus
9:30	-11:30	Kyoto University, Katsura Campus
11:30	-12:30	Lunch
12:30		Depart Katsura Campus
14:00		Hanshin Express Way, Ebie Junction
16:00		Depart Osaka for Kyoto
17:30		Return to Kyoto Royal Hotel & Spa