

iBridge 2016 Program

August 8, 2016

ROOM	ROOM 1	ROOM 2	ROOM 3
09:00	OPENING SESSION Welcome - Alp Caner - Chair of Organizing Committee İsmail Kartal - Director General of Turkish Highways İsmail Murtazaoğlu - Deputy Director General of Turkish State Railways Nurdan Apaydın - Turkish Highways Head of Structures Department Polat Gülkan - Chair of Scientific Committee		
10:30	COFFEE		
11:00	KEYNOTE SESSION Polat Gülkan (Çankaya University) Turkey Phillip Yen (FHWA) USA		
12:00	LUNCH		
13:30	A1	B1	C1
	KGM Special Session Chair: Uğur Kenan Adiloğlu Long Span Bridges and Structural Health Monitoring Systems: Selected Cases - Nurdan Apaydın Recent Bridges in Turkey: Design Concepts - Seçil Cam From Past to Present; Historical Bridges of Anatolia - Halide Sert Special Construction Techniques Used in Osman Gazi Bay Bridge - Erdoğan Dedeoğlu	Designing and Constructing Against Extreme Events Chair: Taner Yılmaz ID129 Seismic Design Of Chikugo River Bridge To Control Resistance Performance Takayuki Omori, Noboru Ishikura, Atsushi Kobayashi, Hirokazu Ito - Japan ID152 Risk And Reliability Assessment Of Highway Bridges In Seismically-Active Flood-Prone Regions Taner Yılmaz, Swagata Banerjee Basu - Turkey ID160 Effect Of In-Span Hinges On The Seismic Behavior Of Multiple-Frame Reinforced Concrete Box-Girder Bridge Mohammad Abbasi, Mohamed A. Moustafa - USA ID226 Incrementally Launched Viaducts Of The Northern Marmara Highway: Design And Construction In High Seismic Areas Etienne Combescure , Hatice Karayığit , Özgür Özkul , Julien Erdem Erdoğan , Ömer Güzel , Giulio Maria Scotto - Turkey ID341 Evaluation of Steel Bridge Truss Systems by Conversion to Equivalent Box Girders Gokhan Gelisen, Turkey	Bridge Computer Technology and Analysis Chair: Alemdar Bayraktar ID027 Coupling Of CFD Model And FVCOM To Predict Coastal Bridge Flows Bo Huang, Bing Zhu - China ID033 Integrated 3d Bridge-Condition Visualization To Facilitate Element-Based Bridge Condition Rating And Inspection Zhigang Shen, Zhixiong Shang, Vijay Durvarsula - China ID146 Effect Of Viscous Damping Modeling Characteristics On Seismic Response Of Bridges Mohammad Abbasi, Mohamed A. Moustafa - USA ID93 Stationary And Transient Responses Of Suspension Bridges To Spatially Varying Ground Motions Including Site Response Effect Süleyman Adanur, Ahmet Can Altunışık, Kurtuluş Soyluk, Alemdar Bayraktar, A. Aydın Dumanoğlu - Turkey ID122 Analysis Of Cable-Stayed Bridges Subjected To Severe Wind Loading Mi G. Chorzepa, Max Overt
15:00	COFFEE BREAK		

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ROOM	ROOM 1	ROOM 2	ROOM 3
15:30	<p>A2</p> <p>Advances in Bridge Construction Techniques : Long Span Bridges Chair: Nurdan Apaydin</p> <p>ID086 Challenging Construction And Erection Methods For The Izmit Bay Suspension Bridge And The 3rd Bosphorus Bridge Henrik Polk, Jesper Sørensen, Kent Fuglsang, Lars Sørensen</p> <p>ID336 Third Bosphorus Bridge – Conceptual Design Optimized For A Fast Track Project. Jean-Francois Klein, Michel Virlogeux, Thierry Delémont</p> <p>ID350 Fracture-Based Analysis of Third Bosphorus Bridge Cable Bands– Khaled Mahmoud</p> <p>ID338 Third Bosphorus Bridge – Conceptual Design And Structural Behaviour Of The Cable Systems Thierry Delémont, Jean-Francois Klein, Michel Virlogeux, Vincent De Ville</p> <p>ID051 Organic Prestressing Impact In Multi-Span Large Deck Construction Pedro Pacheco; Hugo Coelho - Portugal</p>	<p>B2</p> <p>Bridge Design Chair: Necati Çatbaş</p> <p>ID009 The Influence Of Web Distortion Of Doubly-Symmetric Steel I-Beam On Elastic And Plastic Slenderness Limits Selcuk Bas, Ilker Kalkan, Sabahattin Aykac - Turkey</p> <p>ID011 Economic Impact Analysis Of Accelerated Bridge Construction Funda Yavuz, Turner Joseph Solterman, Upul Bandara Attanayake, Haluk Mehmet Aktan - USA</p> <p>ID145 De-Bonding Strands As An Anchorage Zone Crack Control Method For Pretensioned Concrete Bulb-Tee Bridge Girders Emre Kizilarslan, Pinar Okumus, Michael Oliva - USA</p> <p>ID099 Dynamic Loading Tests Of Nissibi Cable-Stayed Bridge Alemdar Bayraktar, Temel Türker, Janusz Tadla, Altok Kurşun, Arif Erdiş - Turkey</p> <p>ID197 A Real Case Study About Evaluation Of The Existing Situation Of A Post Tensioned Single Span Box Girder Bridge Kamil Ergüner, Ali Günalp Görgülü, Sema Melek Kasapgil - Turkey</p>	<p>C2</p> <p>Advances in Bridge Construction Techniques Chair: Jose Romo</p> <p>ID012 Accelerated Replacement Of Steel Plate Railway Bridges Using Moving Cranes On Railroad Eunsoo Choi, Chanyeong Jeon, Kyuho Jeong, Seungmin Gin, Han-Cheol Park - Korea</p> <p>ID039 Slide-In Bridge Construction Implementation In Michigan, USA Upul Attanayake, Haluk Aktan, Ozan Utku Ridvanoglu - USA</p> <p>ID076 Çamlica Bridge Alp Caner, Özgür Ersin Çaycı, Mehmet Dalkılıç - Turkey</p> <p>ID141 Development Of A Shallow Press-Brake-Formed Steel Tub Girder For Short-Span Bridge Applications Gregory K. Michaelson, Karl E. Barth, Michael G. Barker, Daniel R. Snyder - USA</p> <p>ID340 Design Challenges In Cable-Stayed Concrete Bridges Jose Romo, Javier Andueza, Lino Rivero - Spain</p>
17:00	BREAK		
17:20	<p>A3</p> <p>Bridge Maintenance and Health Monitoring Chair: Erdal Şafak</p> <p>ID005 Structural Health Monitoring Of Golden Horn Metro Crossing Bridge In Istanbul Peter Furtner, Martin Stöger, Helmut Wenzel - Austria</p> <p>ID032 Bosphorus Bridge Rehabilitation Kenneth Serzan, Dyab Khazem - USA</p> <p>ID351 Suspension Bridge Health Monitoring Role in Bridge Management Dyab Khazem - USA</p> <p>ID103 Big Data Processing For Real-Time Safety Control Of Bridges João Santos, Christian Crémona, Paulo Silveira - Portugal</p> <p>ID216 Monitoring And System Identification Of Suspension Bridges: An Alternative Approach Erdal Şafak - Turkey</p>	<p>B3</p> <p>Evaluation of Bridge Bearings, Isolation Systems, Dampers and Expansion Joints Chair: Gökhan Özdemir</p> <p>ID008 Agigea Bridge - A Cable Stayed Motorway Bridge With Specific Proposal For Anti-Seismic Bearing System Oliver Benicke, Peter Huber - Germany</p> <p>ID028 Significance Of Loading History On The Hysteretic Behavior Of Isolators Gokhan Ozdemir, Beyhan Bayhan - Turkey</p> <p>ID038 Innovative Cylindrical Pendulum Bearings For A Record Bridge Span For Rail Traffic Simon Hoffmann, Max Brüninghold - Switzerland</p> <p>ID045 Behavior And Design Of Spread Slab Beam Bridges Tevfik Terzioğlu, Dongqi Jiang, Mary Beth D. Hueste, John B. Mander - USA</p> <p>ID125 Static And Dynamic Behavior Of Unbonded Elastomeric Bridge Bearings Kemal Arman Domanıç, Alp Caner - Turkey</p>	<p>C3</p> <p>Historical Bridges and Restoration Chair: Mutluhan Nas</p> <p>ID142 Are We Missing Aesthetics In Bridge Design? Usame Ekici - Turkey</p> <p>ID161 Analytical Structural Investigation of Historical Dicle (On Gozlu) Bridge in Turkey Aysegül Demir, Yasar Hanifi Gedik, Oğuz Günes, Kasım A. Korkmaz - Turkey</p> <p>ID169 Structural Investigation Of Justinianus Bridge, Turkey Vildan G. Mentese, Yasar H. Gedik, Oğuz Günes, Kasım A. Korkmaz - Turkey</p>
19:00	WELCOME RECEPTION		
20:30			

iBridge 2016 Program

August 9, 2016

ROOM	ROOM 1	ROOM 2	ROOM 3
09:00	KEYNOTE SESSION Khaled Mahmoud (Bridge Technology Consulting - BTC) USA Akira Wada (Tokyo Institute of Technology) Japan		
	COFFEE		
10:30	A4	B4	C4
11:00	Condition Assessment of Aging Bridges Chair: Erdal Şafak ID044 Corrosion Mapping In Bridge Decks Using Ground Penetrating Radar Pelin Ipek Temurcan, Thikra Dawood, Tarek Zayed - Canada ID064 Effect Of Reinforcement Corrosion On Safety And Stability Of Slab-On-Girder Bridges Versus Frame Bridges Amina Mohammed – Libya, Husham Almansour - Canada ID088 Time-Dependent Corrosion Model For Suspension Bridge Main Cables Efe Karanci, Raimondo Betti - USA ID138 GPR-Based Condition Assessment Model For Concrete Bridge Decks Mohammed Alsharqawi, Tarek Zayed, Ahmad Shami - Canada	Historical Bridges and Restoration Chair: Alemdar Bayraktar ID024 Restoration Effect On The Structural Behavior Of Historical Masonry Arch Bridges Ahmet Can Altunışık, Alemdar Bayraktar, Ali Fuat Genç - Turkey ID100 Safety Assessment Of Stone Arch Bridges Using Micro And Macro Modeling Including Soil Effects Alemdar Bayraktar, Ali Fuat Genç, Emrahan Akbulut, Ahmet Can Altunışık - Turkey ID104 Restoration Works Carried Out At Historical Sokollu Mehmet Paşa Bridge Across The Drina River In Bosnia And Herzegovina Halide Sert, Süheyla Yılmaz, Hakan Demirci, Ayşe Avcın, E. Mahmut Partal, Mutluhan Nas, G. Sibel Turan - Turkey ID126 Evaluating The Linear Behavior Of The Historical Mehmed Pasha Sokolovic Bridge Across The Drina River In Bosnia And Herzegovina Halide Sert, Mutluhan Nas, Süheyla Yılmaz, Hakan Demirci, Ayşe Avcın, G. Sibel Turan, Nurdan Apaydın - Turkey	Bridge Design Chair: Özgür Özkul ID031 Yeşildere Intersection Bridge - Design Challenges And Solutions Altan Yavuzcan, Özgen Kökten, Alp Yağcıoğlu, Tulin Solak, Ismail Çetin - Turkey ID035 On The Design And Construction Of Kemaliye Bridge Şefika Caculi, Turkey Esra Namli, Turkey ID198 Structural Behavior Investigation Of Turkish Highway Bridges Considering Soil Structure Interaction Mehmet F. Yılmaz, Seda Konor, Kasim A. Korkmaz, Kadir Güler - Turkey ID228 The First Extradosed Bridge In Turkey: Design Of The Antalya Çallı Bridge Cemal Noyan Özel , Özgür Özkul , Erdem Erdoğan , Kamil Ergüner - Turkey
12:00	LUNCH		
13:30	A5	B5	C5
15:00	TCDD Special Session	Bridge Design Chair: Seçil Cam ID001 Effect Of Soil-Structure Interaction On Performance Based Design Of Integral Abutment Bridges Kianosh Ashkani Zadeh, Carlos E. Ventura - Canada ID060 Production And Quality Of Pre-Stressed Beams Used In Construction Of 3rd Bosphorus Bridge Approach Viaducts Süleyman Uluöz, Selahattin Düzbasan, Erol Yakıt, Tolga Uluöz - Turkey ID120 Engineering Structures Designed Within The Scope Of Northern Marmara Motorway Project Esra Namli, Necdet Çilingir, M.Cem Dönmez, Demir Yıldız, Mehmet Eringer, Şehnaz Aktaş - Turkey ID006 Bridgedeck Waterproofing On Steeldecks, Improved Bond To Asphalt Dirk Übelhör - Germany ID227 Pier Optimization Using Support Condition And Pier Shape: Eyiste Balanced Cantilever Viaduct Cemal Noyan Özel , Özgür Özkul , Erdem Erdoğan , Mehmet Kozluca , Ebru Seyfi , Seçil Çam - Turkey	Designing and Constructing Against Extreme Events Chair: Özgür Avcı ID029 Travelling Wave Effect To The Stress Propagation In Cable Stayed Bridges Çağlayan Hizal, Gürsoy Turan ID049 Effect Of Flood-Induced Scour On The Seismic Response Of A Highway Bridge - A Case Study Bengi Atak, Özgür Avcı, Alp Caner - Turkey ID087 Performance Of Ultra-High Performance Concrete Self-Centering Bridge Piers Under Seismic Loads Cancan Yang, Pinar Okumus - USA ID101 Earthquake Response Of Balanced Cantilever Bridges Under Vertical Ground Motions Alemdar Bayraktar, Fatma Nur Kudu, Soner Sümerkan - Turkey
	COFFEE BREAK		

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ROOM	ROOM 1	ROOM 2	ROOM 3
15:30	<p align="center">A6</p> <p>Designing and Constructing Against Extreme Events Chair: Ahmet Yakut</p> <p>ID041 Preliminary Assessment Of Wind Actions In Large Span MSS André Resende; Hugo Coelho; Pedro Pacheco</p> <p>ID041 Preliminary Assessment Of Wind Actions In Large Span MSS André Resende; Hugo Coelho; Pedro Pacheco</p> <p>ID121 Design of Coastal Bridges Against Severe Storms And Sea-Level Rise Mi G. Chorzepa, Arash Saeidpour, Jason Christian, Stephan Durham</p> <p>ID149 Resistance of Axially Loaded T and X Joints of Elliptical Hollow Sections at Elevated Temperature Emre OZYURT, Turkey</p> <p>ID132 Blast Effects on the Structural Response of a Highway Bridge Ahmet Tuğrul TOY, Barış SEVİM - Turkey</p>	<p align="center">B6</p> <p>Bridge Computer Technology and Analysis Chair: Bruno Briseghella</p> <p>ID084 High Strength Eccentrically Loaded Slender Reinforced Concrete Deep Beams With Vertical Edge Restraints Ali Belhacene, Ahmed Bouhaloufa, Kaouter Zelat, Tahar Kadri, Mohamed S.Bekouche</p> <p>ID063 Study Of Time Dependent Properties Of Concrete On Bridges Built By The Cantilever Method Bruno Briseghella, Miguel Munoz - China</p> <p>ID158 Considerations For Finite Element Modeling Of Bosphorus Suspension Bridge Selcuk Bas, Nurdan Apaydin, Necati Catbas - Turkey</p> <p>ID289 Wheel Load Distribution In Straight And Skewed Concrete Slab Bridges Stiffened With Side Railings Ghassan Fawaz, Mounir Mabsout, Kassim Tarhini - Lebanon</p> <p>ID300 Wheel Load Distribution In Continuous Steel Girder Bridges Stiffened With Sidewalks And Railings Moemen Hajjar, Samer Nuwayhid, Mounir Mabsout, Kassim Tarhini - Lebanon</p>	<p align="center">C6</p> <p>Bridge Maintenance and Health Monitoring Chair: Gürsoy Turan</p> <p>ID002 Strengthening And Load Testing For Short Span Steel Bridge For Abnormal Loads Nazar K. Oukaili, Abdullmuttalib I. Said, Abbas Abdumajeed Allawi, Abeer Aqeel</p> <p>ID023 Time Dependent Structural Identification Of Long Span Highway Bridges For Sustainability And Resiliency Ahmet Can Altunışık, Alemdar Bayraktar - Turkey</p> <p>ID030 Modal Parameter Identification Of A Continuous Beam Bridge By Using Grouped Response Measurements Hasan Ceylan, Gürsoy Turan - Turkey</p> <p>ID114 Bridge Widening Application Issues And Monitoring Recommendations Chris A. O'riordan-Adjah, Edward Severino, Necati Catbas, Dan M. Frangopol</p> <p>ID139 Damage Detection Of Truss Bridge Via Vibration Data Using Tpc Technique Ahmed Al-Qayyim, Barlas Özden Çağlayan - Turkey</p>
17:00	BREAK		
17:20	A7	B7	C7
	AWARD CEREMONY		
19:00			
20:30			