

		August 8, 2016			August 9, 2016			77
ROOM		ROOM 1	ROOM 2	ROOM 3	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			KEYNOTE SESSION Khaled Mahmoud (Bridge Technology Consulting - BTC) USA Bruno Bristegella (Tokyo Institute of Technology) China			
10:30		COFFEE			COFFEE			16
11:00		KEYNOTE SESSION Chair; Alp Caner Polat Gülkan (Çankaya University) Turkey Phillip Yen (FHWA) USA			A4 Condition Assessment of Aging Bridges Chair: Yeşim Esat 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	B4 Historical Bridges and Restoration Chair: Ahmet Türer ID104 Restoration Works Carried Out on the Historical Mehmed Pasha Sokolovic Bridge Across the River Drina in Bosnia and Herzegovina Halide Sert, Süheyla Yılmaz, Mutluhan Nas, Hakan Demirci, Ayşe Avşın, G. Sibel Turan, Nurdan Apaydın - Turkey ID126 Evaluating The Linear Behavior Of The Historical Mehmed Pasha Sokolovic Bridge Across The Drina In Bosnia And Herzegovina Halide Sert, Mutluhan Nas, Süheyla Yılmaz, Hakan Demirci, Ayşe Avşın, G. Sibel Turan, Nurdan Apaydın - Turkey	C4 Bridge Design Chair: Özgür Özkul ID031 Yeşildere Intersection Bridge - Design Challenges And Solutions Altan Yavuzcan, Özgen Kökten, Alp Yağcıoğlu, Tulin Solak, İsmail Çetin - Turkey ID035 On The Design And Construction Of Kemaliye Bridge Şefika Caculi, 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 ID060 Production And Quality Of Pre-Stressed Beams Used In Construction Of 3rd Bosphorus Bridge Approach Viaducts Süleyman Uluöz, Selahattin Düzbaşı, Erol Yakıt, M. Camcıoğlu, Tolga Uluöz - Turkey	
12:00		LUNCH			LUNCH			
13:30		A1 General Directorate of Highways Special Session Chair: Uğur Kenan Adiloğlu Long Span Bridges and Structural Health Monitoring Systems: Selected Cases Nurdan Apaydın	B1 Designing and Constructing Against Extreme Events Chair: Taner Yılmaz ID129 Seismic Design Of Chikugo River Bridge To Control Resistance Performance Takayuki Omori, Noboru Ishikura, Akira Kasai - Japan	C1 Bridge Computer Technology and Analysis Chair: Özgür Avşar ID027 Study on Coastal Bridge under the Action of Extreme Wave Bo Huang, Bing Zhu, Jiawei Zhang - China	A5 Turkish State Railways Special Session Panel on Current & Prospective Highspeed Rail Road Projects	B5 Bridge Design Chair: Sevil Cam 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	C5 Designing and Constructing Against Extreme Events Chair: Özgür Avşar ID029 Travelling Wave Effect To The Stress Propagation In Cable Stayed Bridges Çağlayan Hizal, Gürsoy Turan - Turkey	19

<p>Recent Bridges in Turkey: Design ConceptsSeçil Cam</p> <p>From Past to Present; Historical Bridges of AnatoliaHalide Sert</p> <p>Special Construction Techniques Used in Osman Gazi Bay BridgeErdoğan Dedeoğlu</p>	<p>ID152 Risk And Reliability Assessment Of Highway Bridges In Seismically-Active Flood-Prone RegionsTaner Yilmaz, Swagata Banerjee Basu - Turkey</p> <p>ID160 Effect Of In-Span Hinges On The Seismic Behavior Of Multiple-Frame Reinforced Concrete Box-Girder BridgeMohammad Abbasi, Mohamed A. Moustafa - USA</p> <p>ID226 Incrementally Launched Viaducts Of The Northern Marmara Highway: Design And Construction In High Seismic AreasEtienne Combescure, Hatice Karayığit, Özgür Özkul, Julien Erdem Erdoğan, Ömer Güzel, Giulio Maria Scotto - Turkey</p> <p>ID341 Evaluation of Steel Bridge Truss Systems by Conversion to Equivalent Box GirdersGokhan Gelisen, Turkey</p>	<p>ID033 Integrated 3d Bridge-Condition Visualization To Facilitate Element-Based Bridge Condition Rating And InspectionZhexiong Shang, Zhigang Shen - China</p> <p>ID300 Wheel Load Distribution In Continuous Steel Girder Bridges Stiffened With Sidewalks And RailingsMoemen Hajjar, Samer Nuwayhid, Mounir Mabsout, Kassim Tarhini - Lebanon</p> <p>ID122 Analysis Of Cable-Stayed Bridges Subjected To Severe Wind LoadingMi G. Chorzepa, Max Ovett, Tom Harmon, Stephan Durham - USA</p>	<p>Hakan Gökdağ Alp Caner Ahmet Türer</p>	<p>ID120 Engineering Structures Designed Within The Scope Of Northern Marmara Motorway ProjectEsra Namli, Necdet Çilingir, M.Cem Dönmez, Demir Yildiz, Mehmet Eringer, Şehnaz Aktaş - Turkey</p> <p>ID006 Bridge deck Waterproofing on Steel DeckÜebelhoer - Germany</p> <p>ID227 Pier Optimization Using Support Condition And Pier Shape: Eyeste Balanced Cantilever ViaductCemal Noyan Özel, Özgür Özkul, Erdem Erdoğan, Mehmet Kozluca, Ebru Seyfi, Seçil Çam - Turkey</p> <p>ID001 Investigating the SSI Effect on Collapse of Integral Abutment BridgesKianosh Ashkani Zadeh, Carlos E. Ventura - Canada</p>	<p>ID049 Effect Of Flood-Induced Scour On The Seismic Response Of A Highway Bridge - A Case StudyBengi Atak, Özgür Avcı, Alp Caner - Turkey</p> <p>ID087 Performance Of Ultra-High Performance Concrete Self-Centering Bridge Piers Under Seismic LoadsCanan Yang, Pinar Okumus - USA</p>
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15:00 **COFFEE BREAK** **COFFEE BREAK**

<p>A2 Advances in Bridge Construction Techniques : Long Span Bridges Chair: Nurdan Apaydın</p> <p>ID086 Challenging Construction And Erection Methods For The Izmit Bay Suspension Bridge And The 3rd Bosphorus BridgeJesper Sørensen, Claus Gadegaard Larsen, Kent Fuglsang - Denmark</p> <p>ID336 Third Bosphorus Bridge – Conceptual Design Optimized For A Fast Track ConstructionJean-Francois Klein, Michel Virlogeux, Thierry Delémont - Switzerland</p> <p>ID350 Fracture-Based Analysis of Third Bosphorus Bridge Cable Bands– Khaled Mahmoud -USA</p> <p>ID338 Third Bosphorus Bridge – Conceptual Design And Structural Behaviour Of The Cable SystemsThierry Delémont, Jean-Francois Klein, Michel Virlogeux, Vincent De Ville - Switzerland</p> <p>ID051 Organic Prestressing Impact In Multi-Span Large Deck ConstructionPedro Pacheco, Hugo Coelho - Portugal</p>	<p>B2 Bridge Design Chair: Necati Çatbaş</p> <p>ID009 The Influence Of Web Distortion Of Doubly-Symmetric Steel I-Beam On Elastic And Plastic Slenderness LimitsSelcuk Bas, Ilker Kalkan, Sabahattin Aykac - Turkey</p> <p>ID011 Economic Impact Analysis Of Accelerated Bridge ConstructionFunda Yavuz, Turner Solterman, Upul Attanayake, Haluk Aktan - USA</p> <p>ID145 De-bonding Strands as an Anchorage Zone Crack Control Method for Prestensioned Concrete Bulb-tee Bridge GirdersEmre Kizilarslan, Pinar Okumus, Michael Oliva - USA</p> <p>ID076 Design of The Highest Bridge in Turkey: A Rigid Frame Bridge Çamlıca BridgeBülent Berk, Özgür Ersin Çaycı, Alp Caner - Turkey</p>	<p>C2 Advances in Bridge Construction Techniques Chair: Jose Romo</p> <p>ID012 Accelerated Replacement of Steel Plate Railway Bridges Using Moving Cranes On RailroadEunsoo Choi, Seungmin Gin, Chanyeong Jeon, Kyuho Jeong, Han-Cheol Park - Korea</p> <p>ID039 Slide-In Bridge Construction Implementation In Michigan, USAUpul Attanayake, Haluk Aktan, Ozan Utku Ridvanoglu - USA</p> <p>ID228 The First Extradosed Bridge In Turkey: Design Of The Antalya Çallı BridgeCemal Noyan Özel, Özgür Özkul, Erdem Erdoğan, Kamil Ergüner, Ali Günalp Görgülü - Turkey</p> <p>ID353 Design Challenges In Cable-Stayed Concrete BridgesJose Romo, Javier Andueza, Lino Rivero - Spain</p>	<p>A6 Designing and Constructing Against Extreme Events Chair: Ahmet Yakut</p> <p>ID041 Preliminary Assessment Of Wind Actions In Large Span MSSAndré Resende, Hugo Coelho, Pedro Pacheco - Portugal</p> <p>ID121 Design of Coastal Bridges Against Severe Storms And Sea-Level RiseMi G. Chorzepa, Arash Saeidpour, Jason Christian, Stephan Durham - USA</p> <p>ID149 Resistance of Axially Loaded T and X Joints of Elliptical Hollow Sections at Elevated TemperatureEmre Ozyurt, Turkey</p> <p>ID132 Blast Effects on the Structural Response of a Highway BridgeAhmet Tuğrul Toy, Barış Sevim - Turkey</p>	<p>B6 Bridge Computer Technology and Analysis Chair: Bruno Briseghella</p> <p>ID063 Study Of Time Dependent Properties Of Concrete On Bridges Built By The Cantilever MethodBruno Briseghella, Miguel Munoz - China</p> <p>ID158 Considerations For Finite Element Modeling Of Bosphorus Suspension BridgeSelcuk Bas, Nurdan Apaydın, Necati Catbas - Turkey</p> <p>ID289 Wheel Load Distribution In Straight And Skewed Concrete Slab Bridges Stiffened With RailingsGhassan Fawaz, Mounir Mabsout, Kassim Tarhini - Lebanon</p> <p>ID146 Effect Of Viscous Damping Modeling Characteristics On Seismic Response Of BridgesMohammad Abbasi, Mohamed A. Moustafa - USA</p> <p>ID084 High Strength Eccentrically Loaded Slender Reinforced Concrete Deep Beams With Vertical Edge RestraintsAli Belhacene, Ahmed Bouhaloufa, Kaouter Zellat, Tahar Kadri - Algeria</p>	<p>C6 Bridge Maintenance and Health Monitoring Chair: Gürsoy Turan</p> <p>ID002 Strengthening And Load Testing For Short Span Steel Bridge For Abnormal LoadsNazar K. Oukaili, Abdulmuttalib I. Said, Abbas Abdumajeed Allawi, Shatha D. Mohammed - Iraq</p> <p>ID030 Modal Parameter Identification Of A Continuous Beam Bridge By Using Grouped Response MeasurementsHasan Ceylan, Gürsoy Turan - Turkey</p> <p>ID114 Bridge Widening Application Issues And Monitoring RecommendationsChris A. O'riordan-Adjah, Edward Severino, Necati Catbas - USA</p> <p>ID139 Damage Detection Of Truss Bridge Via Vibration Data Using Tpc TechniqueAhmed Al-Qayyim, Barlas Özden Çağlayan - Turkey</p>
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17:00 **BREAK** **BREAK**

17:15 **A3** **B3** **C3** **A7** **B7** **C7**

<p>Bridge Maintenance and Health Monitoring</p> <p>Chair: Erdal Şafak</p> <p>ID005 SHM of Golden Horn Metro Crossing Bridge in Istanbul – Initial Assessment Permanent Monitoring and Data Analysis 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>Evaluation of Bridge Bearings, Isolation Systems, Dampers and Expansion Joints</p> <p>Chair: Ugurhan Akyüz</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 Max Brüninghold, Simon Hoffmann - Switzerland</p> <p>ID045 Experimental Investigation and Modelling of Spread Slab Beam Bridges Tevfik Terzioğlu, Mary Beth D. Hueste, John B. Mander - USA</p> <p>ID125 Static And Dynamic Behavior Of Unbonded Elastomeric Bridge Bearings Kemal Arman Domanıç - Turkey</p>	<p>Historical Bridges and Restoration</p> <p>Chair: Süheyla Yılmaz</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 Aysegul Demir, Yasar Hanifi Gedik, Oguz Günes, Kasim A. Korkmaz - Turkey</p> <p>ID169 Structural Investigation Of Justinianus Bridge, Turkey Vildan G. Mentese, Yasar H. Gedik, Oguz Gunes, Kasim A. Korkmaz - Turkey</p>	<p style="text-align: center;">AWARD CEREMONY</p>
<p style="text-align: center;">WELCOME RECEPTION</p>			

18:45

19:00

20:30