



Interaction between Theory and Practice in Civil Engineering and Construction

The First European and Mediterranean Structural Engineering and Construction Conference (EURO-MED-SEC-1)

Istanbul, Turkey, May 24-29, 2016



Tuesday, May 24, 2016

16:00 - 18:00	Registration	YTU Besiktas Campus
16:00 - 18:00	Welcome Reception - <i>Drinks, Appetizers, and Light Turkish Music</i>	Yildiz Cati Restaurant



Wednesday, May 25, 2016

08:30 - 17:15	Registration (<i>The registration desk will be open during conference hours</i>)		Yildiz Technical University (YTU) Davutpasa Campus Davutpasa Convention Center
09:00 - 10:00	Conference Briefings/Opening Session		
	Welcome and Introductions	5 Min.	
	Associate Prof. Dr. Ruveyda Komurlu, Conference Chair, Kocaeli University		
	Classical Music Performance and Turkish Folk Dance Performance	30 Min.	
	Welcome to Yildiz Technical University	5 Min.	
	Prof. Dr. Ismail Yuksek, President - Yildiz Technical University		
	Welcoming Remarks	5 Min.	
	Prof. Dr. Sadettin Hulagu, President-Kocaeli University		
	Welcome to the Civil Engineering Faculty, Yildiz Technical University	5 Min.	
Prof. Dr. Ahmet Demir, Dean -Civil Engineering Faculty, Yildiz Technical University			
Welcoming Remarks	5 Min.		
Prof. Dr. Amarjit Singh, ISEC Society President, University of Hawai'i at Manoa			
Presenting Plaques	5 Min.		
Prof. Dr. Amarjit Singh, ISEC Society President, University of Hawai'i at Manoa			
10:00 - 10:20	Keynote I: Prof. Dr. David Arditi, Illinois Institute of Technology, USA <i>"Preventing Unethical and Illegal Practices in Construction"</i>	20 Min.	
10:20 - 10:40	Keynote II: Prof. Dr. Tuncer Edil, Universiy of Wisconsin-Madison, USA <i>"Innovative Soft Soil Improvement by Vacuum De-Watering and Dynamic Compaction"</i>	20 Min.	
10:40 - 11:00	Technical Tour Presentation: Sinan Alemdar, Dep. Gen. Mng, EMAY Int. Eng. & Cons. Inc. <i>"BIM Implementation and Management Processes in IMM Railway System Tenders A Case Study (M7 - KABATAŞ MECİDİYEKÖY MAHMUTBEY METRO LINE)"</i>	20 Min.	

Tea & Coffee Break 11:00 - 11:15



Technical Session I - Wednesday, May 25, 2016; 11:15 - 12:30

Session Chair: Gökhan Özdemir Main Hall I-1: Steel Structures and Bridges	Session Chair: Hakan Nuri Atahan Hall I I-2: Fiber Reinforced Composites and Geotechnical Solutions	Session Chair: Swapan Saha Hall II I-3: Sustainable Construction Practices	Session Chair: İktbal Erbaş Hall III I-4: Education, Ethics, Safety and Innovation in Construction
Consideration on Truss and Splice Joint Design Models in Extremal Loading <i>Lilita Ozola</i>	The Effects of the Existence of A Central Hole on Compressive Behavior of Fiber-Reinforced Rubber Isolators <i>Seval Pinarbasi, Fuad Okay</i>	Evaluation of LEED-Certified Green Buildings in Turkey <i>Hasan Gokberk Bayhan, Asli Pelin Gurgun</i>	Leaving Chance to Chance on the Academic Architecture Design-Built Processes <i>Lorena Rodriguez, Enrique Vinicio, Cynthia Ayarza</i>
Influence of Span Length and Cross Beam on Load Distribution Factor at Girder Bridges <i>Hyo-Gyoung Kwak, Joungrae Kim</i>	The Use of Polypropylene Fibers Against Plastic Shrinkage Cracking <i>Hasan Nuri Turkmenoglu, Hakan Nuri Atahan, Cengiz Sengul</i>	Examining of Use of Water and Soil Resources in Marmara Region in Terms of Urban Sustainability <i>Necati Gulbahar, Imam Bakir Kanli, Didem Odabasi</i>	Wind Tunnel Test of Scaffolds Set Wall Connecters with Baseboard Height As A Parameter <i>Hiroki Takahashi, Katsutoshi Ohdo</i>
Collapse Test on Rectangular Steel Beam with Different Support Condition <i>Sunghyun Park, Kyung Jae Shin, Swoo-Heon Lee, Heedu Lee, Woo Bum Kim</i>	Behavior of Hybrid Steel Fiber Reinforced High Strength Concrete <i>Emdad Kadhim Zainel Balanji, Muhammad Neaz Sheikh, Muhammad N.S. Hadi</i>	Using Bayesian Networks Models to Improve Behavior Towards Waste Management in Construction Projects <i>Amal Bakshan, Issam Srour, Ghassan Chehab</i>	Building Information Modelling and Forensic Analysis of Delay and Disruption <i>Ageliki Valavanoglou, Detlef Heck</i>
Rehabilitation and Load Testing of Al-Fatha Bridge in Baiji – Iraq <i>Abdullah Sinan Ahmed, Kawan G. Alani</i>	Problems in Reconstruction of Pile-Raft Foundation <i>Miroslav Georgiev Todorov</i>	Characteristics of Molten Salts and Recommendations for Use in Solar Power Stations <i>Samaan G Ladkany, William G Culbreth, Nathan Loyd</i>	Adopting BIM in Architectural Design Offices <i>Yeliz Tulubas Gokuc, David Arditi</i>
Parametric Study of The Structural Behavior of Horizontally Curved Bridge Deck <i>Medhat Kamal Abdullah</i>	Reasoning on Implementation of Frost Protected Shallow Foundations in Baltic Region <i>Lilita Ozola, Guntis Andersons</i>	Coastal Planning and the Evaluation of Coastal Structures in Terms of Sustainability in Turkey <i>Necati Gulbahar, Imam Bakir Kanli, Didem Odabasi</i>	Mobile Applications for the Construction Industry <i>Bahadır Veli Barbarosoğlu, David Arditi</i>

Lunch : 12:30 - 14:00 / Aga Restaurant at Davutpasa Campus -Shuttle will be provided in front of Davutpasa Convention Center



Technical Session II: Wednesday, May 25, 2016; 14:00 - 15:45

Session Chair: Mehmet Egemen Ozbek Main Hall II-1: Project and Construction Management	Session Chair: Murat Altekin Hall I II-2: Behavior and Mechanical Properties of Concrete-Like Materials	Session Chair: Bin Su Hall II II-3: Architecture and Architectural Engineering	Session Chair: Takashi Hara Hall III II-4: Structural Analysis and Behavior of Structures
Barriers of Traditional Project Delivery System in Achievement of Project Goals <i>Ikbal Erbas</i>	Universal Size Effect Law Based on Concrete Fracture Tests for Concrete Structures <i>Siddik Sener, Kadir Can Sener</i>	Refugee Camps and Gated Communities As A Solution for Housing <i>Busra Ozaydin Cat</i>	On the Variation of Maximum Isolator Displacements Due to Ground Motion Directionality <i>Gokhan Ozdemir, Burak Erseker, Ozgur Avsar</i>
Multi Criteria Management of Sewerage System of Algiers: Analysis of the Failures and the Criticality of Structures <i>Marzouk Cherrared</i>	Investigating the Effect of Nano Silica on the Mechanical Properties of the Hardened Cement Paste <i>Sameer A. Hamoush, Miquel Picornell, Taher M. Abu-Lebdeh</i>	Analysis of Earthquake Resistant Based Urban Transformation Projects Performance in Istanbul <i>Tugba Sarsilmaz, Deniz Guney</i>	Effects of Foundation Settlement on in-Plane Buckling of Shallow Circular Arches <i>Yong-Lin Pi</i>
Understanding the Engineer's Role in Administrating the Construction Contract <i>Mohamed-Asem Uthman Abdul-Malak, Farah El Masri Youssef</i>	Reevaluation of the Effect of Covering Sheets for Reducing Bugholes on Tunnel Lining Concrete <i>Tomoyuki Maeda, Sari Harada, Mai Moriuchi, Isamu Yoshitake</i>	Structural Characteristics of Wooden Five-storied Buddhism Pagodas and Application to the Modern Architecture "Tokyo Sky Tree" in Japan <i>Keimi Harada</i>	Probabilistic Behavior of Joint Forces in Mechanisms <i>Bostjan Harl, Marko Kegl, Nenad Gubelj, Dejan Dinevski</i>
In Search of Alternative Awarding Criteria <i>Bernhard Bauer, Johannes Wall, Detlef Heck</i>	Evaluation of Normal and Modified Egyptian Asphalt According to Conventional and Modern Grading Systems <i>Maram Mahmoud Saoudy, Safwan Abbas Khedr</i>	Structural Engineering Perspective on Historic Building Restoration in Turkey <i>Burcu Balaban Okten, Mehmet Selim Okten, Cem Haydaroglu, Gianmario Benzoni</i>	Yield Surface Shape Estimated By Using Natural Strain Under Predeformation of Tension After Simple Shear <i>Yasuyuki Kato</i>
The Crucial Role of "CMA" in Preconstruction Phases: Knowledge and Skill Requirement <i>Tayibe Seyman Guray</i>	Durability Studies of PQC mix incorporating Recycled Concrete Aggregate and Mineral Admixtures <i>G. D. Ransinchung R. N., Abhishek Jindal</i>	Comparison of Life Cycle Cost of Centralised and Split Air Conditioning Systems <i>Dharma Hagare, Jason Ho, Swapan Saha</i>	Vibration Control of Structures Using Mr Dampers with H ∞ Method <i>Huseyin Aggumus, Saban Cetin</i>
Organizational Project Management Maturity from the Iranian Construction Practitioners Point of View <i>Sepide Motamedpooya, Ehsan Asnaashari</i>	Superpave Versus Conventional Techniques for Designing Normal and Modified Egyptian Asphalt Mixes <i>Safwan Abbas Khedr, Maram Mahmoud Saoudy</i>	Tap Water and Indoor Air Contamination Due to an Unintentional Chemical Spill in Source Water <i>Pinar Omur-Ozbek, Duygu Akalp, Andrew Whelton</i>	Linear and Nonlinear Thermoelastic Analyses of Beams with Elastic Rotational Restraints Under Temperature Gradient <i>Yong-Lin Pi</i>
Opportunities for Attempting Amicable Settlement Along the Claim-Dispute Timeline <i>Mohamed-Asem Uthman Abdul-Malak, Siba Majed Jaber</i>	Performance of Circular High Strenght Concrete Columns Reinforced with Hybrid Steel Fibre Under Different Loading Conditions <i>Emdad Kadhim Zainel Balanji, Muhammad Neaz Sheikh, Muhammad N.S. Hadi</i>	Comparative Study of Energy Consumption for Air Conditioning Between Residential Buildings with Two Different Subflooring Systems <i>Haider Albayyaa, Dharma Hagare, Swapan Saha</i>	Design of Molten Salt Shells for Use in Energy Storage at Solar Power Plants <i>Samaan G Ladhany, William G Culbreth, Nathan Loyd</i>
	Macro Defect Free Cements: A Review <i>Ozgur Ekinoglu, M. Hulusi Ozkul, Silvia Potachia</i>		

Tea & Coffee Break 15:45 - 16:15



Technical Session III: Wednesday, May 25, 2016; 16:15 - 17:15

	Session Chair: Dejan Dinewski Hall I III-1: Analysis and Behavior of Structures	Session Chair: Tayiye Seyman Güray Hall II III-2: Procurement and Cost Management	Session Chair: Keimi Harada Hall III III-3: Architectural Systems Designs
	Analysis of Hagia Sophia Using Nondestructive Measurement <i>Takashi Hara, Kenichiro Hidaka</i>	Financial Issues in Public Private Partnerships <i>Antonio Cosimo Devito, David Arditì, Arie Gottfried</i>	Impact of Building Design on Energy Consumption of Auckland Public Library <i>Bin Su</i>
	Long Term Behavior of A Concrete Member Strengthened with An Internal Prestressing System <i>Isamu Yoshitake, Tatsuhiko Mimoto, Takuya Sakaki, Jun Mizushima</i>	Differences in the US Construction Companies' Preferences in Making Bid/No Bid Decisions <i>Duygu Akalp, Mehmet Egemen Ozbek</i>	Demotivating Factors for Architects in Turkish Construction Industry <i>Gulden Gumusburun Ayalp, Fatma Arslan</i>
	Tests and Analyses of RC Shear Walls with Vertically Aligned Openings <i>Yasushi Sanada, Hong Liu, Suguru Suzuki, Momoko Iizuka, Susumu Takahashi, Toshikatsu Ichinose</i>	Impact of Bidding Environment on Change Orders <i>Bahadır Veli Barbarosoglu, David Arditì</i>	Impact of Building Envelope Design on Energy Consumption of Light Structure School Building <i>Bin Su</i>
	Behavior of Plain and Steel Fiber High Strength Reinforced Concrete Columns Confined with CFRP <i>Duygu Erturkmen, Cengiz Dundar, Serkan Tokgoz</i>	Value Oriented Project Development- Effects of An Early Integration of Stakeholders to the Value of Properties <i>Edwin Harrer</i>	Delay Management in Building Construction: A Comparative Study <i>Ruveyda Komurlu, David Arditì</i>

End of Sessions

Conference Banquet: Thursday, May 26, 2016 - 19:00 - 23:00 from Kabatas Port

Dinner Banquet Function @ Boat Tour

Transportation from hotels will also be provided

Technical Tours: Thursday, May 26, 2016: 10 Person Minimum Required

Technical Tour (TT) - Mahmutbey-Mecidiyekoy Tunnel Site Visit

[09:00-12:30]

Accompanying Persons Tours : 10 Person Minimum Required

Accompanying Person Tour 1 (APT1) - ~~May 25, 2016~~ : Half Day Bosphorus Cruise on Private Boat

[09:00 - 12:30]

Cultural Tours: 10 Person Minimum Required

Cultural Tour 1 (CT1) - ~~May 27, 2016~~ : : Byzantine & Ottoman Relic

[09:00 - 17:00]

Cultural Tour 2a (CT2a): - ~~May 28, 2016~~ : : Ottoman Relics

[09:00 - 12:30]

Cultural Tour 2b (CT2b): - ~~May 28, 2016~~ : Dolmabahce & Two Continent

[14:00 - 15:30]