



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

CIVIL AND CONSTRUCTION

19.10.2017 THURSDAY/PERŞEMBE					
CIVIL AND CONSTRUCTION					
	HALL-B			HALL-F	
	ID No	ARTICLE TITLE			ARTICLE TITLE
CHAIR	Prof. Dr. Teoman AKSOY			CHAIR	Prof. Dr. Ömer KELEŞOĞLU
13.30-13.45	28	Development of Engineering Software to Determine the Structural Behavior of Arch Dams Ahmet Can Altunışık*, Ebru Kalkan		1138	Betonarme Kirişlerde Karşılaştırmalı Sonlu Elemanlar Analizi Yusuf Sümer*
13.45-14.00	308	Salt Crystallization Effects On Some Natural Building Stones From Turkey Didem Eren Sarıcı*, Engin Özdemir		442	Investigation of the effect of shear wall location in plan on reinforced concrete structures Sibel SAĞLIYAN*
14.00-14.15	30	Effectiveness of Tuned Liquid Column Dampers on Response of Shear Frames Ahmet Can Altunışık*, Ali Yetişken, Volkan Kahya		307	Effects Of Different Environmental Conditions On Rock Properties Didem Eren Sarıcı*, Engin Özdemir
14.15-14.30	493	Extreme Learning Machine for Building Energy Prediction Betül Bektaş Ekici*		112	Pavement Performance Assesment by ANFIS approach Using Marine Corps Air Station Cherry Point, North Carolina Data Sebnem Karahancer*, Ekinhan Eriskin, Nihat Morova, Mehmet Saltan, Serdal Terzi
14.30-14.45	72	Comparison Of Design Criterias About Materials Usage In Healthcare Building According To Breeam And Leed Certification System Cüneyt Kurtay*		320	Numerical and Experimental Investigation of the Effect of Foam Concrete as Filler on Thermal Conductivity of Lightweight Masonry Block Design Murat Kuru*,Metin Davraz, Ali Ekrem Akdağ
14.45-15.00	100	Predicting of Traffic Loads by the Help of Climate Data Using Data Mining Ekinhan Eriskin*, Nihat Morova, Sebnem Karahancer, Serdal Terzi, Mehmet Saltan, Ecir Uğur Küçükşille		349	Mimarlık Temel Tasarım Eğitiminde Yapararak Öğrenme; 1/1 ölçek Rabia Akgul*
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CHAIR	Prof. Dr. Bahar DEMİREL			CHAIR	Prof. Dr. Oğuzhan KELEŞTEMUR
15.20-15.35	103	Sustainability In Traditional Cambodian Houses Cüneyt Kurtay*		379	Innovative Solutions for Fire & Life Safety in the Megatall era Hasan Begeç*
15.35-15.50	119	Blasting Effects on the Response of Engineering		387	TDY-2007 Göre LP Kompozitler ile Farklı Güçlendirme Şekillerinin



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		Structures-Example of RC Highway Bridge and RC Building Barış SEVİM*		Bina Deprem Performansı Üzerine Etkisi Halil Uysal*, Perihan Efe
15.50-16.05	123	Initiation Of Sediment Motion In Non-Uniform Flows Nihat Eroğlu*, Abdullah Kurşat Demir	390	Mevcut Yapıların TDY-2007 ile Riskli Yapıların Tespitine İlişkin Esaslara Göre Performans ve Risk Durumlarının Karşılaştırılması Halil Uysal*, Perihan Efe
16.05-16.20	179	Using Borojips in Cement Industry Mücahit Uğur*	404	Effects of Çayırhan Fly Ash on the Brick Properties Niyazi Kockal*, Fatma Dagci
16.20-16.35	204	Investigation of Workability and Flexural Strength of Concretes with Steel Fiber and Silica Fume in Sodium Chloride Environment Mehmet Gürbüz*, Ziyafeddin Babayev	507	Simulation Study of a Grid Connected BIPV System in Elazığ Conditions Betül Bektaş Ekici*
16.35-16.50	222	A Comparison of Lumped and Distributed Approaches in Seismic Analysis of RC Frames Muhammet Karaton*	1023	Assessment of Soft-Story RC Frame Buildings constructed with Hollow Block Slab with using Different Shear Wall Ratios Ozan İnce*
20.10.2017 FRIDAY/CUMA				
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CHAIR	Prof. Dr. Oğuzhan KELEŞTEMUR		CHAIR	Assoc. Prof. Dr. Yüksel ESEN
08.30-08.45	234	Quantification of Inter-Story Drift Amplification in Low-Rise Base-Isolated Buildings under Far-Fault Earthquakes Cenk Alhan*, Seda Öncü, Hatice Gazi	414	Investigation of Multilane Urban Highway Performance Under Heavy Vehicle Effect Burcu Yiğit, S.Pelin Çalışkanelli*
08.45-09.00	246	Structural Effects on a Building of Design Period of Seismic Isolators Barış SEVİM*	418	Free Vibration Effect of Reinforced Aluminum Beams with Delaminations in Composite Interfacial Layer Yusuf Cunedioğlu*
09.00-09.15	405	Some Properties of Geopolymers Having Different Compositions Niyazi Kockal*, Nihan Gulmez	439	A review for usage of recycled concrete aggregate in concrete Şevket Orhan*
09.15-09.30	256	A Very Fast And Efficient Algorithm For Optimum Design Of Space Steel Pyramid Structures S.O. Degertekin*, I.B. Ugur	29	Damage Detection of a Multiple Cracked Cantilever Beam Ahmet Can Altunışık*, Fatih Yesevi Okur, Volkan Kahya
09.30-09.45	269	Model-Prototype Comparison of Sluice Gate Flow by One-Phase CFD Model		Optimum designs for drinking water by using information in drilling logs



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		M. Cihan AYDIN* , Ali Emre ULU	1141	Ebubekir Kılıç*
09.45-10.00	1084	Investigation of the Compressive Strength of Harođlu Calcareous and its Usability in Concrete Esra Tugrul*	304	The Role of Urban Transformation in Urbanization Process, Konya City Example Taha K. Aydın* , Savaş Durduran, Aslı Bozdađ, Münevver Gizem Gümüş
10.00-10.20	COFEE BREAK			COFEE BREAK
CHAIR	Assoc. Prof. Dr. Muhammet KARATON		CHAIR	Assoc. Prof. Dr. Mehmet YILMAZ
10.20-10.35	298	Biomimetic Approaches in Architectural Design based on Energy Efficiency Tuđba İnan*	464	Effect of Foundation Rock on Seismic Damage Response of Concrete Gravity Dams Muhammet Karaton*
10.35-10.50	626	Investigation of Mortars Containing Different Aggregate Waste Powder Under Freezing-Thawing Effect İbrahim Aral* , Mehmet Timur Cihan	480	Application of Neural Network Method to Improve the Productivity in Construction Chemseddine Dehchar* , Mohamed Bouabaz
10.50-11.05	37	A Green Outlook to Tall Building Facades via Milan's "Vertical Forest" Ayça Tokuç* , Tuđba İnan	627	Balıkesir Kent Merkezi Toplu Ulaşımı: Akıllı Kart Verilerinin Analizi Ođuz KÖSE*
11.05-11.20	634	The Investigation of Bond Strength in Full-Scale Beams Subjected to Bending as Experimental and Numerical Kazım Türk, Mahmut Başsürücü*	444	The Effect of Darende Limestone Powder on the Fresh and Hardened Properties of Self-Compacting Concrete Mahmut Başsürücü* , Kazım Türk
11.20-11.35	641	Hydroelectric Potential and Hydropower Projects in Sakarya Basin İbrahim Yuksel*İbrahim Halil Demirel	523	Effect of Wind Speed on Optimum Insulation Thickness For Energy Saving in Elaziđ Ayça Gülten* , Furkan Salim Yavaş
11.35-11.50	644	Thermal Conductivity of Clayey Soil as a function of Temperature and Freeze-Thaw Cycles Muge Elif ORAKOGLU * , Jiankun Liu	725	Compressive Strength Analysis of Rigid Pavements Including Submicron Particle Sized Boron Mineral Tuba Kutuk Sert*
11.50-13.30	LUNCH BREAK			LUNCH BREAK
CHAIR	Prof. Dr. Bahar DEMİREL		CHAIR	Prof. Dr. Mehmet ÜNSAL
13.30-13.45	645	Investigation of Effect of Infill Walls in Earthquake Behavior of Multi-Storey Reinforced Concrete Structures Tuba Demir* ,Erkut Sayın	562	Effect of Adding Ellipsoidal Height in Artificial Neural Network to Estimate Geoid Heights of Points Mehmet Yılmaz* , Mustafa Ulukavak
13.45-14.00	1075	Investigation of Abrasion Resistance of Alacakaya Cherry	761	Investigation of Neural Network Performance for Streamflow



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		Marble Esra Tugrul*		Simulations over an Urbanized Watershed Muhammet Diş, Mehmet Unsal*, Ahmet Serdar Yılmaz, Ayşe Ece Yağcı
14.00-14.15	667	Seismic and Dynamic Analysis of High-Speed Railway Bridge with Pre-stressed Concrete I-Beam Aykut Özpolat*, Muhammet Karaton	568	Crack Development Analysis Of Engineered Cementitious Composites By Digital Image Correlation Under Bending Load Eren Gödek*, Serdar Okuyucu, Tarık Yıldırım, Muhammer Keskinateş, Kamile Tosun Felekoğlu, Burak Felekoğlu
14.15-14.30	670	Comparison of infill wall models for reinforced concrete buildings Sibel Sağlıyan*, Burak Yön	607	Investigation of MR Damper Locations Effect in Structural Vibration Control by Fuzzy Logic Control Method Hüseyin Aggümüş*, Mahmut Paksoy
14.30-14.45	691	Numerical Simulation of a Building on Shaking Table Hudhaifa Mohammed*	610	Statistical Analysis Of Waste Steel Chip Reinforced Concretes Oğuzhan Keleştemur*
14.45-15.00	709	Additive Materials Used in Warm Mix Asphalts Taner Alataş, Akın İstek*	623	Analysis of the Concretes with Waste Plastic Chip by the Taguchi Method Oğuzhan Keleştemur*
15.00-15.20	COFEE BREAK		COFEE BREAK	
CHAIR	Prof. Dr. Bahar DEMİREL		CHAIR	Prof. Dr. Mehmet ÜNSAL
15.20-15.35	715	The Effects of the Water Resources Planning on Climate Change Ibrahim Yuksel*, Ibrahim Halil Demirel	624	Analysis of the Aluminum Chip Reinforced Concretes with the Taguchi Method Oğuzhan Keleştemur*
15.35-15.50	724	Evaluation of Submicron Particle Sized Colemanite Minerals in Warm Mix Asphalt Mixtures Tuba Kutuk Sert*	625	The Prediction of Precipitation and Drought by using Support Vector Machines Emine Taylan*, Özlem Terzi
15.50-16.05	861	Behavior Of Composite Beams With Different Concrete Qualities Under Impact Test Elif Ağcakoca*, Zeynep Yaman	830	Evaluation of the Bicycle Transportation on Bilecik Urban Parks Emine Tuğba Bozkurt*
16.05-16.20	760	Evaluation of GEP Model over an Urbanized and Sub-Tropical Basin Muhammet Diş, Mehmet Unsal*, Ayşe Ece Yağcı	844	Advanced Technology And Architecture: A Critical Analysis Yasemin Ince Guney*
16.20-16.35	772	Mechanical and durability properties of steel fiber reinforced self-compacting concrete incorporating ground	860	Behavior Of Composite Beam Different Concrete Quality With Fiber Under The Impact Load



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		pumice powder M.Dener, M.Karatas, A. Benli*, M. Mohabbi Yadollah		Elif Ağcakoca*, Zeynep Yaman
16.35-16.50	771	The influence of elevated temperature on the mechanical properties of steel fiber reinforced self-compacting concrete with ground pumice powder M.Dener, M.Karatas, A. Benli*, M. Mohabbi Yadollah	776	Static Analysis of a Composite Laminated Plate Yusuf Yüksel*, Şeref Doğuşcan Akbaş, İlker Fatih Kara
	564	Estimation of Geoid Heights Using with/without Ellipsoidal Heights by Fuzzy Logic Mehmet Yılmaz*, Mustafa Ulukavak	813	Estimation of Impact Airport Noise using Area Equivalent Method Murat AYAR*
21.10.2017 SATURDAY/CUMARTESİ				
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CHAIR		Assoc. Prof. Dr. Yüksel ESEN	CHAIR	Prof. Dr. Harun TANYILDIZI
08.30-08.45	524	A Comparative Study for Environmental Effect of Different Insulation Materials in Elazığ Ayça Gülten*, Sare Gökçen Armutlu	862	Investigation of Impact Behavior in Strength and Weak Axis Direction of Reinforced Concrete Members Elif Ağcakoca*, Zeynep Yaman
08.45-09.00	773	Fresh and Hardened Properties of Concrete Produced with Demolish Waste and Fibers Selim Cemalgi, Onur Onat*, Serkan Etli	1106	Investigation of the Flood Discharges Using Different Methods: Şorşor Stream Sample Mustafa TUNC*; Veysi KARTAL
09.00-09.15	910	Aylık Kavramsal Bir Yağış-Akış Modelinin Yapay Arı Kolonisi Algoritması ile Kalibrasyonu Oğuz KÖSE*	879	Steel Plate Shear Walls behavior under hysteresis loads Mehrzad Mohabbi Yadollahi*, Sadık Varolgüneş
09.15-09.30	777	Bending Analysis of a Composite Laminated Beam by using Ritz Method Yusuf Yüksel*, Şeref Doğuşcan Akbaş	818	Effect of Damping on Nonlinear Seismic Response of Historical Masonry Arch Bridges Erkut Sayın*, Muhammet Karaton, Yusuf Calayır
09.30-09.45	790	Assessment of Bituminous Binders Tests Used in Wheel Tracking Resistance Estimation Özge Erdoğan Yamaç, Mehmet Yılmaz, Taner Alataş*, Baha Kök	889	Simulation Analyses For The Acoustic Comfort Conditions In Architectural Design Studio Of Bozok University Zuhal Özçetin*, Füsün Demirel, Sebahat Gül İlisulu, Merve Görkem
09.45-10.00	805	Bazalt tozu ve polipropilen lif katkılı harçların mekanik ve fiziksel özelliklerinin araştırılması Ahmet Beşer Kızılkant, Veysel Akyüncü*, Nihat Kabay	891	New Design For Aeration And Flotation Cells Cihat Tuna*, Bünyamin Canpolat, Ayça Aytaç



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10.00-10.20		COFEE BREAK		COFEE BREAK		
CHAIR		Assoc. Prof. Dr. Yüksel ESEN		CHAIR	Prof. Dr. Bahar DEMİREL	
10.20-10.35	806	Seismic Performance Evaluation of a 30-Years Old State Building in Tunceli Onur Onat*Burak Yön		820	Bazalt lifli harçların mekanik özelliklerinin araştırılması Veysel Akyüncü*, Mehmet Timur Cihan, Zekeriya Aydın	
10.35-10.50	808	Effect of Different Curing Temperature and Time on Properties of Pozzolan-Based Geopolymer Mortars Hasbi Yaprak*, Selçuk Memiş, Gökhan Kaplan, Mehmet Uğur Yılmazoğlu, İffet Gamze Mütevellı Özkan		270	3D Model-Prototype Comparison of Air Entrainment by Two-Phase CFD Model M. Cihan AYDIN*, Ali Emre ULU, Çimen KARADUMAN	
10.50-11.05	812	Project Prioritization With MCDM Methods A Case Study Of DHMI_modified Murat AYAR*		908	Muskingum Taşkın Öteleme Modeli Parametrelerinin Tavlama Benzetimi Algoritması ile Belirlenmesi Oğuz KÖSE*	
11.05-11.20	881	Investigation of Mega Bracing Influence in Improving of Mediocre Steel Skyscrapers Behavior Mehrzad Mohabbi Yadollahi*, Sadık Varolğüneş		912	Literature Research for Road Traffic Noise Zuhal Özçetin*, Füsun DEMİREL	
11.20-11.35	815	Modelling and Linear Elastic Analysis of Three Dimensional Masonry Walls Erkut Sayın*, Yusuf Calayır		923	Combined Effects of Extreme Conditions on the Mechanical Properties of Fibre Reinforced Self Compacting Concrete Nusret Bozkurt*, Messaoud Saidani, Salih Yazıcıoğlu	
11.35-11.50	893	A Wavelet-ANFIS Hybrid Model for Drought Forecasting Emine Taylan*, Özlem Terzi, Onur Özcanoğlu, Tahsin Baykal		1068	The Effect of Liquid Nitrogen on Retention of Boric Acid Treated Ash Wood Cemal Özcan, Mustafa Korkmaz*, İzham Kılınc	
11.50-13.30			LUNCH BREAK			LUNCH BREAK
CHAIR				CHAIR	Prof. Dr. Oğuzhan KELEŞTEMUR	
13.30-13.45				924	Influence of the Coarse Aggregates on the Development of the Mechanical Properties of Concrete Nusret Bozkurt*, Salih Yazıcıoğlu	
13.45-14.00				939	The usage of nano and polymer additives in geopolymer concrete İbrahim Türkmen, Enes Ekinci*, Fatih Kantarci, Mehmet Burhan Karakoç	
14.00-14.15					An assessment for the penetration rates of intrusive igneous rocks according to the mineral contents and densities by using the rotary	



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			1142	and percussive drilling methods Ebubekir Kılıç*
14.15-14.30			994	Experimental Investigation of the Scouring Behavior at Downstream of Dams with and without Geocell Enes Gül*
14.30-14.45			1007	Development of Railway Architecture and Railway Transportation Technology in Turkey Ali YILDIZ*
14.45-15.00			1008	Experimental Analysis of Effect of Sheet Pile Penetration Depth to the Near Buildings Aykut Özpolat, Süha Aksoy*
15.20-15.35			440	Mechanical and physical properties of polymer modified mortars Şevket Orhan*
15.35-15.50				COFEE BREAK
				CHAIR Prof. Dr. Oğuzhan KELEŞTEMUR
15.50-16.05			1138	Betonarme Kirişlerde Karşılaştırmalı Sonlu Elemanlar Analizi Yusuf Sümer*
16.05-16.20			829	Investigation Of The Functions Of The Urban Parks A Case Study: Bilecik Urban Parks Emine Tuğba Bozkurt*
16.20-16.35			1069	Determination of the Effects of Fire-Reterdant Paints on the Combustion Properties of Tilia Wood Cemal Özcan, Raşit Esen, Mustafa Korkmaz*, İzham Kılınc
16.35-16.50			1071	Evaluation of Marshall Properties the Stone Mastic Asphalt produced by Biomass Additive Bitumen Cahit Gürer*
16.50-17.05			1081	The Effect of Anti-vortex Plate Usage on Scouring at Labyrinth Side Weirs in Alluvial Channels Mustafa TUNC*, Muhammet Emin Emiroglu
17.05-18.20			1019	Height effect under impact load on steel beams Elif Ağcakoca*



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18.20-18.35			655	Living Areas For Earthquakes in The Buildings Yüksel Esen*
18.35-18.50			1137	HVL and TVL Values of Concretes Produced with Limonite Aggregate Yüksel Esen*