



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. Bahar DEMİREL		CHAIR	Prof. Dr. Oğuzhan KELEŞTEMUR
13.30-14.00	1184	Invited Speaker (Prof. Dr. Messaoud Saidani) Investigation into a lightweight cementitious material Messaoud Saidani* , Ucheowaji Ogbologugo , Eoin Coakley , Adegoke Olubanwo , Nusret Bozkurt and Sam George	1138	Betonarme Kirişlerde Karşılaştırmalı Sonlu Elemanlar Analizi Yusuf Sümer*
			308	Salt Crystallization Effects On Some Natural Building Stones From Turkey D. E. Sarıcı*, E. Özdemir, C. Frat
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	28	Development of Engineering Software to Determine the Structural Behavior of Arch Dams Ahmet Can Altunışık*, Ebru Kalkan	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 Lead Certification System C. Kurtay*, S. Jahed	624	Analysis of the Aluminum Chip Reinforced Concretes with the Taguchi Method Erdinç Arıcı; Bahar Demirel; Oğuzhan Keleştemur*
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 Yaparak Öğrenme; 1/1 ölçek Rabia Akgül*
15.00-15.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Prof. Dr. Bahar DEMİREL		CHAIR	Prof. Dr. Oğuzhan KELEŞTEMUR
15.20-15.35	1195	Sustainability In Traditional Cambodian Houses C. Kurtay*, V. Heang	379	Innovative Solutions for Fire & Life Safety in the Megatall era H. Begeç*, R. Akgül



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15.35-15.50	119	Blasting Effects on the Response of Engineering Structures-Example of RC Highway Bridge and RC Building Barış Sevim* , A. Tuğrul Toy	387	TDY-2007 Göre LP Kompozitler ile Farklı Güçlendirme Şekillerinin 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 M. M. Kocakerim , A. Yartaşı , G. Keleş , M.Uğur	404	Effects of Çayırhan Fly Ash on the Brick Properties Niyazi U. 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 O. Ince* , H. Sahin , K. E. Alyamac , Z. C. Ulucan
16.50-17.05	493	Extreme Learning Machine for Building Energy Prediction Betül Bektaş Ekici*	442	Investigation of the effect of shear wall location in plan on reinforced concrete structures Sibel Sağlıyan*
20.10.2017 FRIDAY/CUMA				
	HALL-B			HALL-F
CHAIR	Prof. Dr. Mehmet ÜNSAL		CHAIR	Assoc. Prof. Dr. Yüksel ESEN
08.30-08.45	480	Application of Neural Network Method to Improve the Productivity in Construction Chemseddine Dehchar* , Mohamed Bouabaz	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 B. Sevim* , D. Sağlam	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	464	Effect of Foundation Rock on Seismic Damage Response of Concrete Gravity Dams Muhammet Karaton* , Yusuf Calayır , Ertuğrul Çambay
09.15-09.30	256	A Very Fast And Efficient Algorithm For Optimum Design	29	Damage Detection of a Multiple Cracked Cantilever Beam



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		Of Space Steel Pyramid Structures S.O. Degertekin*, I.B. Ugur		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 M. Cihan AYDIN*, Ali Emre ULU	304	The Role of Urban Transformation in Urbanization Process, Konya City Example Taha K. Aydın*, Savaş Durduran, Aslı Bozdağ, Münevver Gizem Gümüş
09.45-10.00	1084	Investigation of the Compressive Strength of Haroğlu Calcareous and its Usability in Concrete Esra Tugrul*	1141	Optimum designs for drinking water by using information in drilling logs Ebubekir Kılıç*
10.00-10.20	COFFEE BREAK		COFFEE 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 Tuğba İnan*	627	Balıkesir Kent Merkezi Toplu Ulaşımı: Akıllı Kart Verilerinin Analizi O. Köse*, T. Özdemir
10.35-10.50	626	Investigation of Mortars Containing Different Aggregate Waste Powder Under Freezing-Thawing Effect İbrahim Feda Aral*, Mehmet Timur Cihan	444	The Effect of Darende Limestone Powder on the Fresh and Hardened Properties of Self-Compacting Concrete Mahmut Başsürücü*, Kazım Türk
10.50-11.05	37	A Green Outlook to Tall Building Facades via Milan's "Vertical Forest" Ayça Tokuç*, Tuğba İnan	523	Effect of Wind Speed on Optimum Insulation Thickness For Energy Saving in Elazığ Ayça Gülten*, Furkan Salim Yavaş
11.05-11.20	1106	Investigation of the Flood Discharges Using Different Methods: Şorşor Stream Sample Mustafa Tunç*, Veysi Kartal	562	Effect of Adding Ellipsoidal Height in Artificial Neural Network to Estimate Geoid Heights of Points Mehmet Yılmaz*, Mustafa Ulukavak
11.20-11.35	641	Hydroelectric Potential and Hydropower Projects in Sakarya Basin İbrahim Yuksel*İbrahim Halil Demirel	761	Investigation of Neural Network Performance for Streamflow Simulations over an Urbanized Watershed Muhammet Diş, Mehmet Unsal*, Ahmet Serdar Yılmaz, Ayşe Ece Yağcı
11.35-11.50	725	Compressive Strength Analysis of Rigid Pavements Including Submicron Particle Sized Boron Mineral M. S. Güner, T. Kutuk Sert*, S. Kütük	568	Crack Development Analysis Of Engineered Cementitious Composites By Digital Image Correlation Under Bending Load Eren Gödek*, Serdar Okuyucu, Tarık Yıldırım, Muhammer Keskinates, Kamile Tosun Felekoğlu, Burak Felekoğlu



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11.50-13.30		LUNCH BREAK		LUNCH BREAK	
CHAIR	Prof. Dr. Harun TANYILDIZI		CHAIR	Assoc. Prof. Dr. Muhammet KARATON	
13.30-13.45	645	Investigation of Effect of Infill Walls in Earthquake Behavior of Multi-Storey Reinforced Concrete Structures Tuba Demir*, Erkut Sayin	607	Investigation of MR Damper Locations Effect in Structural Vibration Control by Fuzzy Logic Control Method Hüseyin Aggümüş*, Mahmut Paksoy	
13.45-14.00	1208	Investigation of Abrasion Resistance of Alacakaya Cherry Marble Esra Tugrul*	610	Statistical Analysis Of Waste Steel Chip Reinforced Concretes Oğuzhan Keleştemur*; Erdinç Arıcı; Bahar Demirel	
14.00-14.15	667	Seismic and Dynamic Analysis of High-Speed Railway Bridge with Pre-stressed Concrete I-Beam Aykut Özpolat*, Muhammet Karaton	623	Analysis of the Concretes with Waste Plastic Chip by the Taguchi Method Bahar Demirel, Erdinç Arıcı, Oğuzhan Keleştemur*	
14.15-14.30	670	Comparison of infill wall models for reinforced concrete buildings Sibel Sağlıyan*, Burak Yön	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	
14.30-14.45	691	Numerical Simulation of a Building on Shaking Table Hudhaifa Mohammed*, Serkan Bekiroğlu	625	The Prediction of Precipitation and Drought by using Support Vector Machines Emine Taylan*, Özlem Terzi	
14.45-15.00	709	Additive Materials Used in Warm Mix Asphalts Taner Alataş*, Akın İstek	830	Evaluation of the Bicycle Transportation on Bilecik Urban Parks E. T. Bozkurt*, H. Bozkurt	
15.00-15.20		COFFEE BREAK		COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. ErkuT SAYIN		CHAIR	Assoc. Prof. Dr. Mehmet YILMAZ	
15.20-15.35	715	The Effects of the Water Resources Planning on Climate Change Ibrahim Yuksel*, Ibrahim Halil Demirel	844	Advanced Technology and Architecture: A Critical Analysis Yasemin Ince Guney*	
15.35-15.50	724	Evaluation of Submicron Particle Sized Colemanite Minerals in Warm Mix Asphalt Mixtures T. Kutuk Sert*, S. Kütük, R. E. Günbey, A. Çanakçı, M. M. Kocakerim	860	Behavior Of Composite Beam Different Concrete Quality With Fiber Under The Impact Load Elif Ağcakoca*, Zeynep Yaman	
15.50-16.05	861	Behavior of Composite Beams With Different Concrete Qualities Under Impact Test	776	Static Analysis of a Composite Laminated Plate Yusuf Yüksel*, Şeref Doğuşcan Akbaş, İlker Fatih Kara	



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		Elif Ağcakoca*, Zeynep Yaman		
16.05-16.20	760	Evaluation of GEP Model over an Urbanized and Sub-Tropical Basin Muhammet Diş, Mehmet Unsal*, Ayşe Ece Yağcı	923	Combined Effects of Extreme Conditions on the Mechanical Properties of Fibre Reinforced Self Compacting Concrete Nusret Bozkurt*, Messaoud Saidani, Salih Yazıcıoğlu
16.20-16.35	772	Mechanical and durability properties of steel fiber reinforced self-compacting concrete incorporating ground pumice powder M. Dener, M.Karatas, A. Benli*, M. Mohabbi Yadollah	1142	An assessment for the penetration rates of intrusive igneous rocks according to the mineral contents and densities by using the rotary and percussive drilling methods Ebubekir Kılıç*
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	924	Influence of the Coarse Aggregates on the Development of the Mechanical Properties of Concrete Nusret Bozkurt*, Salih Yazıcıoğlu
16.50-17.05	564	Estimation of Geoid Heights Using with/without Ellipsoidal Heights by Fuzzy Logic Mehmet Yılmaz*, Mustafa Ulukavak	1081	The Effect of Anti-vortex Plate Usage on Scouring at Labyrinth Side Weirs in Alluvial Channels M. Tunc*, M. Emin Emiroglu, Y. Doğan, N. Kaya
21.10.2017 SATURDAY/CUMARTESİ				
		HALL-B		HALL-F
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	1198	Effect of Activator Concentration and Raw Material Type on Setting Time and Density of Geopolymer Paste İ.Türkmen, F. Kantarcı, E. Ekinci*, M.B. Karakoç
09.00-09.15	910	Aylık Kavramsal Bir Yağış-Akış Modelinin Yapay Arı Kolonisi Algoritması ile Kalibrasyonu Umut Okkan, Halil Uysal, Muhammet Özsoy, 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	889	Simulation Analyses For The Acoustic Comfort Conditions In



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		Tracking Resistance Estimation Özge Erdoğan Yamaç, Mehmet Yılmaz, Taner Alataş*, Baha Kök		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
10.00-10.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Yüksel ESEN		CHAIR	Asst. Prof. Dr. Cihat Tuna
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	881	Investigation of Mega Bracing Influence in Improving of Mediocre Steel Skyscrapers Behavior Mehrzad Mohabbi Yadollahi*, Sadık Varolgüneş	270	3D Model-Prototype Comparison of Air Entrainment by Two-Phase CFD Model M. Cihan Aydın*, Ali Emre Ulu, Çimen Karaduman
10.50-11.05	815	Modelling and Linear Elastic Analysis of Three Dimensional Masonry Walls Erkut Sayın*, Yusuf Calayır	908	Muskingum Taşkın Öteleme Modeli Parametrelerinin Tavlama Benzetimi Algoritması ile Belirlenmesi Umut Okkan, Muhammet Özsoy, Oğuz Köse*, Halil Uysal
11.05-11.20	893	A Wavelet-ANFIS Hybrid Model for Drought Forecasting Emine Taylan*, Özlem Terzi, Onur Özcanoğlu, Tahsin Baykal	912	Literature Research for Road Traffic Noise Zuhal Özçetin*, Füsün Demirel
11.20-11.35	939	The usage of nano and polymer additives in geopolymer concrete İbrahim Türkmen, Enes Ekinci*, Fatih Kantarci, Mehmet Burhan Karakoç	1068	The Effect of Liquid Nitrogen on Retention of Boric Acid Treated Ash Wood C. Özcan, M. Korkmaz*, İ. Kılınc, R. Esen
11.35-11.50	1007	Development of Railway Architecture and Railway Transportation Technology in Turkey Ali YILDIZ*	994	Experimental Investigation of the Scouring Behavior at Downstream of Dams with and without Geocell E. Gul, T. Sarici*, O.F. Dursun
11.50-13.30	LUNCH BREAK		LUNCH BREAK	
CHAIR	Assoc. Prof. Dr. Yüksel ESEN		CHAIR	Asst. Prof. Dr. Erdiñ Arıcı
13.30-13.45	1213	The Effect of Air Entraining Concrete Admixtures on Concrete Freeze-Thaw Resistance	829	Investigation Of The Functions Of The Urban Parks A Case Study: Bilecik Urban Parks



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13.45-14.00	1212	H. Tanyıldızı, A. Coşkun*, M. Sahin The Effect on High Temperature Resistance of Concrete of the Hardening Accelerator H. Tanyıldızı, A. Coşkun*, M. Sahin	1069	E. T. Bozkurt*, Ö. Yerli, H. Bozkurt Determination of the Effects of Fire-Retardant Paints on the Combustion Properties of Tilia Wood Cemal Özcan, Raşit Esen, Mustafa Korkmaz*, İzham Kılınc
14.00-14.15	1008	Experimental Analysis of Effect of Sheet Pile Penetration Depth to the Near Buildings Aykut Özpolat, Süha Aksoy*	1071	Evaluation of Marshall Properties the Stone Mastic Asphalt produced by Biomass Additive Bitumen C. Gürer*, O. Alagöz, A. Elmacı, N. Yılmaz
14.15-14.30	1138	Betonarme Kirişlerde Karşılaştırmalı Sonlu Elemanlar Analizi Yusuf Sümer*	1019	Height effect under impact load on steel beams E. Ağcakoca*, Z. Yaman, Y. E. Yazıcı
14.30-14.45			1137	HVL and TVL Values of Concretes Produced with Limonite Aggregate Yüksel Esen*, Eyyüp Orhan
14.45-15.00			655	Living Areas For Earthquakes in The Buildings Yüksel Esen*
15.20-15.35				
15.35-15.50				