

STREQ1

Structural Engineering and Earthquake Engineering Session 1; 17 October 2012 12:00-13:30 Hall: Kemal Kurdaş		
Session Chair : Michael Fardis		
Abstract Number	Title	Authors
1254	Lateral Load Behavior of Low-Rise Structural Walls	Kutay Orakçal, Tevfik Terzioğlu, Leonardo M. Massone
298	Experimental Investigation of RC Columns Strengthened with Carbon Fiber-Reinforced Polymer and Ferrocement	Bayar J. Al-Sulyfani, Mohamad Najim Mahmood, Salwa M. Abdullah
95	Behaviour of RC framed building with different types of knee brace systems	Esra Mete Güneyisi, Ayşegül Gültekin
361	Lap Splice Behavior of Self Compacting Concrete	Erdem Canbay, Mehran Ghasabeh
332	Investigation of Lateral Pressures Considering Silo Wall-Grain Interaction with the Comparison of Numerical and Analytical Methods	Zeki Karaca, Eprar Özel
540	Behavior of Reinforced Concrete Slabs Subjected to Impact Loading	Selçuk Saatçi, Baturay Batarlar

STREQ2

Structural Engineering and Earthquake Engineering Session 2; 17 October 2012 15:30-17:00 Hall: Kemal Kurdaş		
Session Chair : Ayşe Daloğlu		
Abstract Number	Title	Authors
798	Evaluation of an Existing Reinforced Concrete Building Damaged Under Its Own Weight	Ahmet Yakut, Atilla Bayraktar, Hasan Hüsnü Korkmaz
893	Fire Analysis of Reinforced Concrete Columns with Different Methods	Oğuz Burnaz, Ahmet Durmuş
634	An Investigation on Torsional Behavior of RC Beams Strengthened With CFRP	Bayar Jaafar Al-Sulayfani, Khalaf İbrahim Mohammad
1224	Comparison of Seismic Retrofit Methods for Nonductile RC Structures by Using Pseudo Dynamic Testing Procedures	Ramazan Özçelik, Efe Kurt, Barış Binici, Özgür Kurç, Erdem Canbay, Güney Özcebe
746	Empirical Determination of the Fundamental Period of Vibration of Multi Storey RC Buildings	Hamdy A. Elgohary
654	An Experimental Study on a Hybrid Precast Concrete Beam-Column Connection	Eray Baran, Mehmet Baran, Metin Kurtoğlu

STREQ3

Structural Engineering and Earthquake Engineering Session 3; 17 October 2012 17:30-19:00 Hall: Kemal Kurdaş		
Session Chair : Eray Baran		
Abstract Number	Title	Authors
1000	Stability Analysis of Semi-Rigid Frames with Rigid End Sections Accounting for Shear Deformations	Halil Görgün, Sercan Kaymak
1209	Post Buckling Behavior Of A Spherical Cap Subjected To Various Ring Loads	Cengiz Polat, Yusuf Calayır
1445	The Effect of Temperature on the Behavior of Laminated Glass Cylindrical Shell Structures	Ebru Dural, M. Zülfü Aşık
556	Analytical Solution of Isotropic Deep Rectangular Beam Using Displacement Potential Functions	Saba Rashidi, Bahram Navayi-Neya, Mehdi Nematzadeh
1030	Finite Element Modelling Techniques of Steel Latticed Transmission Towers	Ömer Burak Yücel, Oğuzhan Hasançebi, Cenk Tort

STREQ4

Structural Engineering and Earthquake Engineering Session 4; 18 October 2012 10:00-11:30 Hall: Kemal Kurdaş		
Session Chair : Trevor Haas		
Abstract Number	Title	Authors
1028	Assessment of Seismic Behavior and Dynamic Characteristics of R/C Frames Enhanced with Mesh Reinforced Infill Walls under Consecutive Earthquake Loadings	Pourang Ezzatfar, Güney Özcebe, Barış Binici, Erdem Canbay, Özgür Kurç
750	Effects of Fiber Orientation on the Flexible Behavior of Reinforced UHPC Girders	Changbin Joh, Jungwoo Lee, In Hwan Yang, Byung Suk Kim
934	Reliability Estimation Using Vibration-Based Identified Structural Parameters	Ekin Özer, Serdar Soyöz
694	Assessment of Seismic Soil-Foundation-Structure Interaction Analysis Procedures for Long-Span Bridges using Recorded Strong Motion Data	Anoosh Shamsabadi, Steve Mitchell, Pat Hipley, Jinxing Zha, Roshanak Omrani, S. Farid Ghahari, Fariba Abazarsa, Ertuğul Taciroğlu
1328	Tensile Behavior of Chemical Anchors Embedded to Low Strength Concrete	Muhammet Ali Özen, Salih Yılmaz
1345	Inelastic Modeling of Reinforced Concrete Beam-to-Column Connections	Burcu Burak, Mehmet Ünal

STREQ5

Structural Engineering and Earthquake Engineering Session 5; 18 October 2012 12:00-13:30 Hall: Kemal Kurdaş		
Session Chair : Ertuğrul Taciroğlu		
Abstract Number	Title	Authors
1355	Cyclic Characterization of Locked and Standard Brick Infilled Reinforced Concrete Frames under Quasi-Static Loading Conditions: Experimental Work	İbrahim Serkan Mısır, Özgür Özçelik, Sadık Can Girgin, Murat Arda Uğurlu, Serap Kahraman, Türkay Baran
794	Decreasing Hydrodynamic Pressures on Arch Dams Using Air Curtain	Mohsen Lamea, Hasan Mirzabozorg, Hamid Sehat
799	Application of Timoshenko Beam Theory in Interaction of Non-Prismatic Dam, Reservoir and Elastic Foundation	Mahmoud Abdollahi, Amirhossein Bagheri, Reza Attarnejad
1075	Two and Three Dimensional Nonlinear Dynamic Analysis of an RCC Dam	Alper Aldemir, Barış Binici, Yalın Arıcı, Uğur Akpınar
1351	Determination of Parameters Affecting the Linear Seismic Evaluation of Gravity Dams	Arash Monazzam, Hamed Enayati, Mohsen Ghaemian
132	A Smeared Crack Model for Dynamic Analysis of Gravity Dam-Reservoir-Foundation Coupled System	Mahdi Kolbadi, Hasan Mirzabozorg, Mohammad Amin Hariri-Ardebili, Masood Heshmati

STREQ6

Structural Engineering and Earthquake Engineering Session 6; 18 October 2012 15:30-17:00 Hall: Kemal Kurdaş		
Session Chair : Özgür Avcı		
Abstract Number	Title	Authors
1429	Determining Rotational Joint Stiffness Using Finite Element Analysis	Heindrich L. Albertyn, Trevor N. Haas
484	A Finite Element Study on the Effective Width of Flanged Sections	Sertaç Küçükarslan, Mehmet Utku
976	Approximate Buckling Solutions for Rectangular Plates under Intermediate and End Uniaxial Loads	Magdy Israel Salama
563	Solution of Structural Mechanics Problems Using Iterative Methods	Sami And Kilic
610	An Extensible Parallel Finite Element Analysis Environment: Panthalassa	Tunç Bahçecioğlu, Utku Albostan, Özgür Kurç

STREQ7

Structural Engineering and Earthquake Engineering Session 7; 18 October 2012 17:30-19:00 Hall: Kemal Kurdaş		
Session Chair : Sami And Kılıç		
Abstract Number	Title	Authors
1071	Pseudo-Dynamic Testing and Numerical Simulations of Reinforced Concrete Frames	Mehmet Başar Mutlu, Mehmet Engin Ayatar, Pourang Ezzatfar, Barış Binici, Özgür Kurç, Erdem Canbay, Haluk Sucuoğlu, Güney Özcebe
1051	Investigation of Safety of Connection Region in Hinge Jointed Precast Buildings	Mehmet Palanci, Şevket Murat Şenel, Ali Kalkan, Yasin Yılmaz
895	Structural Analyses of Reinforced Concrete Continuous Beams According to Fires	Oğuz Burnaz, Ahmet Durmuş
656	Determination of Plastic Energy Consumption Using Strains in RC Sections	Onur Merter, Özgür Bozdağ, Mustafa Düzgün
999	Performance of Flat Plates Strengthened with Partially Bonded Fiber Laminates	Hakan Erdoğan, Şevket Özden, Hilal Meydanlı Atalay, Erkan Akpınar
1228	Near Surface Mounted CFRP bars for Retrofitting RC Beams	H. Murat Tanarslan

STREQ8

Structural Engineering and Earthquake Engineering Session 8; 19 October 2012 10:00-11:30 Hall: Kemal Kurdaş		
Session Chair : Mehmet Cemal Genes		
Abstract Number	Title	Authors
325	A Mixed FEM Solution for Natural Frequencies of Laminated Moderately Thick Elliptical Plates	Akif Kutlu, Mehmet Hakkı Omurtag
370	A New Computational Method for the Assessment of URM Buildings	İsmail Ozan Demirel, Alper Aldemir, Murat Altuğ Erberik
454	Optimum Design of Steel Space Frames by Artificial Bee Colony Algorithm	İbrahim Aydoğdu, Alper Akın, Mehmet Polat Saka
741	Continuous Contact Problem for Two Elastic Layers Loaded by Means of a Rigid Circular Punch and Resting on Elastic Half Infinite Plane	Erdal Öner, Ahmet Birinci
778	Effect of Deck Plate Thickness on the Structural Behavior of Steel Orthotropic Highway Bridges	Abdullah Fettahoglu
938	Nonlinear Analysis Of A Three Dimensional Mixed Formulation Frame Finite Element That Is Based On Hu-Washizu Functional	Ozan Soydaş, Afşin Sarıtaş

STREQ9

Structural Engineering and Earthquake Engineering Session 9; 19 October 2012 14:30-16:00 Hall: Kemal Kurdaş		
Session Chair : Kadir Güler		
Abstract Number	Title	Authors
72	Free Vibration of Variable Thickness Cylindrical Shell Using Wittrick-Williams Algorithm	Nihal Husien Fuad Elkaabazi
101	Dynamic Analysis of Viscoelastic Cylindrical Helixes Subjected to Impulsive-Sinusoidal Load by Using the Finite Element Method	Hakan Argeso, Faruk Fırat Çalim, Nihal Eratlı, Mehmet Hakkı Omurtag
124	The Stability Analysis of FGM-Metal-FGM Layered Cylindrical Shells Under a Lateral Pressure	Abdullah Sofiyev, Zihni Zerin, Ali Deniz, Mehmet Avcar, Polat Özyiğit, Basri Mert Tuğlu
229	Effect of Stacking Sequence and Orientation on the Dynamic Response of Fiber Metal Laminate Plates	Cenk Aksoylar, Mehmet Hakkı Omurtag
259	Hunting Search Algorithm Based-Design Optimization of Moment Resisting Steel Frames	Erkan Doğan, Mehmet Polat Saka
334	Performance of Optimum Tuned Mass Dampers According to Number of Structure Storey	Gebrail Bekdaş, Sinan Melih Niğdeli

STREQ10

Structural Engineering and Earthquake Engineering Session 10; 19 October 2012 16:30-18:00 Hall: Kemal Kurdaş		
Session Chair : Kağan Tuncay		
Abstract Number	Title	Authors
206	Active Tendon Control of Structures under Near-Fault Ground Motion Excitation	Sinan Melih Niğdeli, M. Hasan Boduroğlu
167	Effect of SSI on the Response of Seismic Isolated Bridges Subjected to Near-Field Ground Motions	Gökhan Özdemir, Berna Unutmaz
1377	Evaluation of Inelastic Displacement Demand Determination Approach of Turkish Earthquake Code 2007	Mehmet Palancı, Şevket Murat Şenel
330	Optimum Tuned Mass Damper Design for Structures at Near and Far Fault Regions	Sinan Melih Niğdeli, Gebrail Bekdaş
1286	Evaluation of Preliminary Assessment Procedures for Reinforced Concrete School Buildings in Turkey	Levent Mazılıgüney, Ahmet Yakut, Koray Kadaş, İlker Kalem
1019	Vulnerability Assessment of Two Instrumented Masonry Buildings in Antakya (Hatay, Turkey)	Mehmet Cemal Genes, Murat Altuğ Erberik, Lars Abrahamczyk, Polat Gülkan, Murat Bikçe, Selçuk Kaçın, Ahmet Yakut, Jochen Schwarz

STREQ11

Structural Engineering and Earthquake Engineering Session 11; 17 October 2012 12:00-13:30 Hall: C		
Session Chair : İhsan Bal		
Abstract Number	Title	Authors
190	Comparison of Temperature Rises in the Lead Core of LRBs under both Uni- and Bi-directional Earthquake Excitations	Gökhan Özdemir, Beyhan Bayhan
730	Effectiveness of Seismic Isolation in Protecting Sensitive Contents against Near-Fault Earthquakes of Various Magnitudes	Seda Öncü, Cenk Alhan
1103	An Overturning Moment-Based Adaptive Pushover Procedure for Seismic Evaluation of Shear Wall Structures	Malik Atik, Marwan Sadek, Isam Shahrouh, Ramzi Messahel
201	Seismic Performance of Bridges Isolated with LRB under Simulated Near-Fault Motions When Lead Core Heating is of Concern	Gökhan Özdemir, Murat Dicleli
	Sponsor Presentation: Issues related to design of seismically isolated highspeed railway bridges in proximity of the major faults	Cenan Özkaya, Gülден Çetin, Fikret Tulumtaş

STREQ12

Structural Engineering and Earthquake Engineering Session 12; 17 October 2012 15:30-17:00 Hall: C		
Session Chair : Kutay Orakçal		
Abstract Number	Title	Authors
622	Experimental and Numerical Investigation of Wind Effects on Long Span Bridge Decks	Iman Ashtiani Abdi, Anas Abdulrahim, Senem Haser, Oğuz Uzol, Özgür Kurç
625	Estimation of Wind Loads on Tall Buildings through Wind Tunnel Testing	Bengi Kayışoğlu, Özgür Kurç, Oğuz Uzol
766	Structural Fire Resistance of Cut and Cover Tunnels	Kemal Sarp Arsava, Alp Caner
1036	Dynamic Behaviour of Cable-Stayed Bridges under Earthquake and Traffic Loads	Hüseyin Kartal, Kurtuluş Soyluk
1066	Optimization of Maintenance, Repair and Rehabilitation Actions in a Novel Bridge Management System	Ferhat Akgül, Faraz Masoumi

STREQ13

Structural Engineering and Earthquake Engineering Session 13; 17 October 2012 17:30-19:00 Hall: C		
Session Chair : Beyhan Bayhan		
Abstract Number	Title	Authors
1442	Seismic Retrofit of a Typical RC Building in Turkey – Comparison of FRP Technology versus Traditional Techniques	Eleni Smyrou, Michael J. Karantzakis, İhsan E. Bal
218	Reliability Analysis of Reinforced Concrete Frames Strengthened by Steel Knee Brace	Aziz Hosseinnezhad, Bagher Heidarpour, Bahman Panjalizade
818	Investigation of the Strength and the Stability Analysis of the Reinforced Concrete Frames with Infill Walls	Xanlar Seyfullayev, Yaşar Uğur, İsa Eyyubov, Cemal Eyyubov
1279	An Experimental Study of the Jacketed R/C Beams with Precast R/C Plates	Ali Demir, Muhammed Tekin, Muhiddin Bağcı, Ayhan Nuhoğlu
1375	PEER Performance-Based Earthquake Engineering Methodology: Revisited and Extended to Sustainable Designs	Mehmet Selim Günay, Khalid Mahmoud Mosalam

STREQ14

Structural Engineering and Earthquake Engineering Session 14; 18 October 2012 12:00-13:30 Hall: G		
Session Chair : Ramazan Özçelik		
Abstract Number	Title	Authors
149	Use of Steel Plate Shear Walls for Seismic Retrofit of a Steel Building	Cüneyt Vatansever, Cavidan Yorgun, Noyan Özel
385	Role of Energy Dissipation and Deformation of Elements in Seismic Analysis of Steel Moment Frames	Kourosh Mahdizadeh, Sima Abedi, Ali Akbar Alishahi
392	Effect of Using EGS on the Seismic Behavior of Knee Braced System	Mussa Mahmoudi, Amin Havarani
494	Using Push Test to Investigate the Applicability of Newly Suggested TR Perfobond Connector	Suhaib Yahya Kasim Al-Darzi, İnas Mahmood A. Al-Juboory
1358	An Investigation on the Behavior of Column-Tree Steel Joints in Fire	Mehdi Mohammadzadeh Akhlaghi, Seyed Mehdi Zahrai, Mehdi Ghassemieh
580	Behavior of Steel Frames to Impact Damage with the Progressive Removal of Two Internal and External Columns	Ali Hadidi, Sajad Mahmoudi, Kamran Rahmati-Shadbad

STREQ15

Structural Engineering and Earthquake Engineering Session 15; 18 October 2012 17:30-19:00 Hall: F		
Session Chair : Cem Topkaya		
Abstract Number	Title	Authors
564	Effects of Structure-to-soil Mass Ratio on Elastic and Inelastic Earthquake Response Spectra Considering SSI	Oğuz Can Öğüt, Abdullah Necmettin Gündüz
754	Comparing the Efficiency of Intensity Measures for Estimating the Response of Seismic-Isolated Bridges	Özgür Avşar, Gökhan Özdemir
1132	Re-examination of a Spectral Ground Motion Intensity Measure Based on Predicted Period Elongation	Koray Kadaş, Ahmet Yakut
1253	Stochastic Ground Motion Simulations for Istanbul, Turkey	Esra Zengin, Eser Çaktı
1165	Modern Aseismic Isolation Based on Friction and Superelasticity	Peyman Narjabadifam, Hossein Ghaffarzadeh

STREQ16

Structural Engineering and Earthquake Engineering Session 16; 19 October 2012 10:00-11:30 Hall: F		
Session Chair : Gökhan Özdemir		
Abstract Number	Title	Authors
188	Localizing Structural Damage using Static and Dynamic Damage Locating Vector Methods	Burcu Güneş, Oğuz Güneş
1437	Monitoring of super load passage over highway bridges in Turkey	Ahmet Türer, Alvand Mehrabzade, Serkan Bodur
1439	Performance Evaluation of a Long Span Bridge Before and After Retrofit	H. Burak Gökçe, F. Necati Çatbaş
43	Effect of Reinforce Concrete Core Shear Wall on relative drift and torsion stiffness of reinforced concrete tall buildings	Seyed Mojtaba Ghoreishamiri
1108	Redesigning of an Air Freight Terminal for Safety Check: Case Study	Fatih Yılmaz, Ayşe Daloğlu

STREQ17

Structural Engineering and Earthquake Engineering Session 17; 19 October 2012 14:30-16:00 Hall: C		
Session Chair : Burcu Güneş		
Abstract Number	Title	Authors
1436	Structural monitoring of space truss systems	Alper Ö. Gür, Ahmet Türer, Ali Faik Ulusoy, Gürkan Akdoğan
232	Experimental Modal Analysis of a Three-Story Steel Frame with Bolted Flange Joints	Maziar Mahdavi, Mohammad Reza Davoodi, Amin Mostafavian
366	Detecting Damages in Beams Using Hilbert-Huang Transform	Hürmet Küçükğöncü, Kamil Aydın
394	Application of (Probabilistic) Structural Reliability Model Incorporating Health Monitoring in Condition Assessment of Reinforced Concrete Structure under Corrosion	Fahimeh Jalalifar, Amir Tarighat
630	Artificial Neural Network (ANN) Model for Damage Detection of a Concrete Multi-Span Bridge	Maryam Freidooni, Amir Tarighat

STREQ18

Structural Engineering and Earthquake Engineering Session 18; 19 October 2012 16:30-18:00 Hall: C		
Session Chair : Hakan Erdoğan		
Abstract Number	Title	Authors
51	Out-of-plane behavior of unreinforced masonry and aerated concrete walls strengthened with cfrp strips	Nalan Bulut, Özgür Anıl
593	Shear Behavior of Masonry Wall Strengthening with Fiber Reinforced Mortar Stucco	Bengi Arısoy, Celal Kozanoğlu, Emre Ercan, Ali Demir
874	Assessment of historical masonry buildings in Istanbul	Fuat Aras
941	Nonlinear Behavior of Industrial Masonry Chimneys to Blast- Induced Ground Vibration	Kemal Hacıfendioğlu, Emre Alpaslan, Gökhan Saracoğlu
1443	Design Examples of a Textile Mortar System for Strengthening of Historical Masonry Structures	Christoforos Kolyvas, İhsan E. Bal, Antonios Bernakos, Thanasis Triantafillou

STREQ POSTER

Structural Engineering and Earthquake Engineering Poster Session		
Abstract Number	Title	Authors
228	The Influence of Strong-Motion Duration on Inelastic Structural Response	Mohsen Gerami, Kimia Mortezaei, Mohammad Kazem Rezaei, Mahsa Joshan
824	Behavior of steel columns subjected to fire	Nadia Benmehidi, Jean Marc Franssen, Mohamed Guenfoud
1046	Analytical study on converting intermediate links to short links by implementing supplemental stiffeners in steel EBFs with links next to the column	Saman Zarsav, Asghar Vatani Oskouei
1243	Evaluation of Condition States of Bridge Elements Based on the Intensity of Different Damage Types	Faraz Masoumi, Ferhat Akgül
1281	Seismic Evaluation of Multi-Storey Moment-Resisting Steel Frames with Mass Irregularities Using Standard and Advanced Pushover Methods	Gabriel Tarta, George Mihail Barsan
1302	An Improved Equivalent Frame Method for the Analysis of Two-way Slab Systems Subjected to Gravity and Lateral Loads	Elias Abdoli Oskoui, Iraj Mahmoudzadeh Kani

MAT1

Engineering Materials Session 1; 17 October, 2012			12:00-13:30	Hall D
Session Chair : Özgür Yaman				
Abstract Number	Title	Authors		
170	A New Test Method for Dynamic Segregation Resistance of Self-Consolidating Concrete using L-box Apparatus	Paki Turgut, Kâzım Türk, Hasan Bakırcı		
353	The Investigation of the Variation of Compressive Strength, Unit Weight and Water Absorption of Self-Consolidation Concrete along Structural Element	Mücteba Uysal, Kemalettin Yılmaz		
1222	Investigation of Long Term Durability of Natural Zeolite Incorporated Eco-SCC	Ali Akbar Ramezaniapour, Ali Kazemian, Morteza Sarvari, Babak Ahmadi, Mohammad Abdolhosseini Moghadam		
1374	Properties of Fresh Self-Compacting Concrete Containing Slag	Belkacem Menadi, Said Kenai, Omar Kouider-Djelloul		
339	Tensile Behavior of Chemically Bonded Post-Installed Anchors in Low-Strength Reinforced Concretes	Levent Mazılıgüney, İsmail Özgür Yaman		
565	Effects of Alternative Fuels and Raw Materials in Sustainable Cement Production	Özgür Ekinçioğlu, Aslı Pelin Gürgün, Yasin Engin, Muhittin Tarhan, Sezgi Kumbaracıbaşı		

MAT2

Engineering Materials Session 2; 17 October, 2012			15:30-17:00	Hall D
Session Chair : Yılmaz Akkaya				
Abstract Number	Title	Authors		
662	The Investigation of Chloride Ion Permeability and Compressive strength of the Mortars Exposed to Alkali-Silica Reaction	Korkmaz Yıldırım, Mansur Sümer, Mücteba Uysal		
727	Effect of Fly Ash Fineness on Alkali Aggregate Expansion of Mortars	Süleyman Bahadır Keskin, Özlem Kasap-Keskin, Burhan Aleessa-Alam, İsmail Özgür Yaman		
1196	Effectiveness of Mineral Admixtures in Reducing Asr Expansion	Esmâ Gizem Aydın, Hasan Yıldırım		
304	Effect of Recycled Aggregates on the Strength and Alkali Silica Reaction (ASR) Potential of Mortar Mixtures	Ali Mardani-Aghabaglou, Murat Tuyan, Özge Andiç-Çakır, Kambiz Ramyar		
1433	Production and Environmental Impact Assessment of Fly Ash and GBFS Replaced Pervious Concrete by Using Recycled Concrete Aggregates	Tuğhan Delibaş, Aslı Kesim, İsmail Özgür Yaman, Mustafa Tokyay		
252	Improvement of the Expansive Soils by the Lime for Their Use in Road Works	Mekki K Mellas, Ali Hamdane, Djamel Benmeddour, Abdelhak Mabrouki		

MAT3

Engineering Materials Session 3; 17 October, 2012			17:30-19:00	Hall D
Session Chair : Mustafa Tokyay				
Abstract Number	Title	Authors		
829	Strength and Transport Properties of Mortar Mixtures Containing Crushed or Natural River Fine Aggregate	Jamshid Esmaili, Ghafour Alizadeh, Jamil Kasaei		
1365	Water Vapour Sorption of Building Materials - New Measurements	Ruta Miniotaite		
1379	The Influence of Sorption Moisture upon Moisture-Caused Deformations of Common Building Materials	Ruta Miniotaite		
110	Freezing and Thawing Resistance of Concrete at High Freezing Rates	Yuşa Şahin, Yılmaz Akkaya, Mehmet Ali Taşdemir		
782	Drying Shrinkage of Concrete: A Case Study in Ankara	Burhan Aleessa-Alam, Süleyman Bahadır Keskin, İsmail Özgür Yaman		
827	Effect of Internal Curing Using Lightweight Scoria Fine Aggregates on Autogenous Shrinkage, Strength and Transport Properties of Cement Mortars	Jamshid Esmaili, Jamil Kasaei, Ghafour Alizadeh		

MAT4

Engineering Materials Session 4; 18 October, 2012			10:00-11:30	Hall D
Session Chair : Özge Andıç Çakır				
Abstract Number	Title	Authors		
162	Compressive Strength of Blended Cements Obtained by Replacement with Asphalt and Tyre	Cemil Özyazgan, Özlem Çelik-Sola, Barış Sayın		
221	Evaluation of Micro Silica Effect on Lightweight Concrete Compressive Strength	Mojtaba Majlesi, Reza Khodadadi, Amir Masoud Haghighi, Misagh Eslami		
239	Influence of the Parameters of Formulation on the Mechanical Strengths of Cementing Materials with Admixtures and Superplasticizers	Abdelaziz Boudchicha, Mustapha Cheikh-Zouaoui, Jean Louis Gallias		
286	Silica fume and super plasticizer effect on producing high strength concrete	Abdelaziz Benmarce, Hocine Boudjahem, Robila Bendjaiche, Imene Saadi, Mohamed Bouaoud		
870	Hydration Development of High Performance Cement Pastes	Bekir Yılmaz Pekmezci, Erman Yiğit Tuncel		
162	Compressive Strength of Blended Cements Obtained by Replacement with Asphalt and Tyre	Cemil Özyazgan, Özlem Çelik-Sola, Barış Sayın		

MAT5

Engineering Materials Session 5; 18 October, 2012			12:00-13:30	Hall D
Session Chair : Mehmet Ali Taşdemir				
Abstract Number	Title	Authors		
1091	Effect of high temperatures on mortar's strengths	Abdelhalim Benouis, Farouk Bechiri		
1227	Studying Effect of Different Parameters on Slag Cement Mortar Compressive Strength using Taguchi Method	Ali Akbar Ramezaniyanpour, Ali Kazemian, Elham Radaei, Mohammad Abdolhosseini Moghadam, Sasan Tavakkol		
76	Irreducible Representation of Elastic Compliance Tensor for Engineering Materials	Çiğdem Dinçkal		
1090	Finite Element Analysis of Differential Shrinkage-Induced Cracking in Centrifugally Cast Concrete Poles	Tuğrul Tanfener, Serdar Göktepe, İsmail Özgür Yaman		
1434	Use of a High-Calcium Fly Ash on the Production of Calcium Sulfoaluminate Cements	Serkan Türk, Tuğhan Delibaş, İsmail Özgür Yaman, Mustafa Tokyay		
135	Effects of Considering Kinematic Hardening in Stress Calculations	Abdullah Fettahoğlu, Serkan Bekiroğlu		

MAT6

Engineering Materials Session 6; 18 October, 2012			15:30-17:00	Hall D
Session Chair : Mustafa Tokyay				
Abstract Number	Title	Authors		
307	Effects of Different Environmental Exposures on Self-Healing Capacity of Cementitious Composites	Mustafa Şahmaran, Gürkan Yıldırım, Karwan Ahmed, Hasan Erhan Yücel, Erdoğan Özbay		
344	The Effect of Compressive Strain on Electrical Resistivity of Steel Fiber Reinforced Cement Based Composites	Egemen Teomete		
378	Effect of Silica Fume and Fly Ash on the Strength Development of Boron Active Belite Cement	Hacı Süleyman Gökçe, Osman Şimşek, Özge Andiç-Çakır, Gökhan Kaplan		
682	Investigation Effects of Different Parameters on Compressive Strength and Density of EPS Concrete	Mohammad Reisi, Davood Mostofinejad, Hamed Emadi, Navid Nili		
869	Mechanical Properties of Textile Reinforced Cement Based Composites	Bekir Yılmaz Pekmezci, Reşat Çelik, Avni Can Karadeniz, Burçak Karagüzel-Kayaoğlu		
1450	Activation of a Turkish Blast Furnace Slag Using Alkalis	Sinan T. Erdoğan, Ekin Altan		

MAT7

Engineering Materials Session 7; 18 October, 2012			17:30-19:00	Hall D
Session Chair : Kambiz Ramyar				
Abstract Number	Title	Authors		
882	Properties of Porous Perlite Geopolymers	Mehmet Uğur Toprak, Cenk Karakurt, Abdullah Demir		
940	Crack Evaluation in Concrete by Ultrasonic-Echo Method	Mehmet Efe Selman, Ninel Alver		
1060	Susceptibility of Zeolite to Crushing as One of the Main Components of Landfill Liners	Shahin Shakibaei, Furkan Kartal, Bala Ekinci, Fahri Esenli, Ayşen Lav		
1246	Laboratory Assessment of the Properties of Asphalt Concrete Mixtures Modified with Low-Density Polyethylene	Shams Nowbakht, Mahmoud Ameri, Mohammad Molayem, Alireza Keshavarz-e-Rad, Ahmad Goli		
1250	Isolation of the Drive Unit Based Vibrations in the Taksim Station of the Funicular System	Ömer Güzel, M. Başar Arıoğlu, Cenk Aksoylar		

MAT8

Engineering Materials Session 8; 19 October, 2012			10:00-11:30	Hall D
Session Chair : Turan Özturan				
Abstract Number	Title	Authors		
1297	Hemcrete Concrete: Introduction and Application	Mohammad Khayyam, Elias Behmagham, Hedayat Veladi		
1344	Durability of the Painted Rendered Facades	Ruta Miniotaite		
1409	Improving Construction Sustainability Using Innovative Construction Materials	Farrukh Arif, Mehmet Emre Bayraktar, Taha Alyousef		
894	Identifying an Optimal Shape Parameter to Estimate Grain Size Distribution of Concrete Samples Using Imaging Techniques	Murat Özen, İsmail Özgür Yaman, Murat Güler		
278	Effect of Calcium Nitrate and Triisopropanolamine on the Setting Time and the Evolution of Short-Term Mechanical Strengths of Cement Mortars	Mustapha Cheikh-Zouoai, Abdelaziz Boudchicha, Nasreddine Chikh, Jean Louis Galias		

MAT9

Engineering Materials Session 9; 19 October, 2012			14:30-16:00	Hall D
Session Chair : Serdar Göktepe				
Abstract Number	Title	Authors		
450	Effects of Carbon Nano tubes on the Mechanical Behavior of Composite Sand-Cement Mortar and Concrete Samples	Kamran Rahmati Shadbad, Ali Hadidi, Babak Dindar Safa		
517	Effects of Using Nano-SiO ₂ and Wastewater Sludge on Properties of Cement Mortar	Haleh Sehat, Hossein Ganjidoust, Nader Mokhtarani		
1327	Pore Structure of Cement Mortars Containing Fly Ash and Different Nano Powders	Meral Oltulu, Remzi Şahin		
837	Engineering Properties of Cement-Based Materials Incorporating Raw Sewage Sludge (RSS) as a Water Replacement	Alaa Hamood, Jamal Khatib		

MAT10

Engineering Materials Session 10; 19 October, 2012			16:30-18:00	Hall D
Session Chair : Sinan Turhan Erdoğan				
Abstract Number	Title	Authors		
180	Effect of Industrial By-products Fillers on the Properties of Blended Cements in Sulphate Environments	İbrahim Messaoudene, Raoul Jauberthie, Laurent Molez, Damien Rangeard, Abdelghani Naceri		
646	Effect of Cement Type and W/C Ratio on the Durability Performance of Mortars in Sodium Sulfate Solution	Ebru Erten, Çağlar Yalçınkaya, Selçuk Türkel		
1435	Performance of Various Mineral Additive - Calcium Aluminate Cement Blends Exposed to Sulfate Attack	Tuğhan Delibaş, Önder Kırca, İsmail Özgür Yaman		
77	Comparing Pozzolanic Activity of Metakaolin and Calcined Kaolin, and their Effects on Strength of Concrete	Erhan Güneyisi, Mehmet Gesoğlu, Turan Özturan, Kasım Mermerdaş		
951	Utilization of Bottom Ash in Lightened Harman Brick Production	Mehmet Canbaz, Uğur Albayrak		

MAT POSTER

Engineering Materials Poster Session		
Abstract Number	Title	Authors
245	Impact of Marble Powder on the Durability of High Performance Concrete	Rabah Chaid, Frank Rendell, Raoul Jauberthie, Abderrahim Bali
322	The Study of Sheet-pile Corrosion and its Maintenance	Razieh Mehrzad, Sina Dadsetan, Ahmad Mehrazad
406	Mechanical Properties of Concrete Containing High Volumes of Recycled Concrete Aggregate and Waste Glass	Mahmoud Nili, Mehdi Hoseinian, Siavash Ahmadi, Nader Biglarijoo
409	A Review on the Use of Various Kinds of Debris and Demolitions in Concrete and Mortar Mixes	Mahmoud Nili, Nader Biglarijoo, Seyed Ahmad Mirbagheri
533	Pathology of Fibre Concretes after Fire	Mohammed Ezziane, Raoul Jauberthie, Tahar Kadri, Laurent Molez
627	Substitution of the Natural Aggregates by Aggregates of Marble in Hydraulic Concretes	Mouloud Belachia, Houria Hebhoub
705	Effect of Steam Curing on the Properties of Slag-Cement Concrete in Seawater Environment	Riad Derabla, Mohamed Lanbi Benmalek, Fathollah Sajedi
734	Effect of Different Nanoclay on the Rheological Behavior of Bitumen	Saeed Ghaffarpour-Jahromi, Henglong Zhang
789	A Study on the Skin Plate Characteristics of the Slip-Form System and Frictional Resistance of Concrete between Concrete and Slipform Panel for the Construction of Concrete Pylon of Long Span Cable Bridge	Won Jong Chin, Young Jin Kim, Hee Seok Kim, Hyejin Yoon
834	Formulation of Self Compacting Concrete: Optimization of the Granular Skeleton by the Graphic Method of Dreux-Gorisse	Fatiha Boumaza Zeraoulia, Mourad Behim
1335	Valorization of Granulated Slag for the Manufacture of High Furnace Cements	Ghania Nigri, Yacine Cherait, Chiraz Kechkar
1359	Influence of the type of cement and the W/C ratio on the kinetic of adjuvanted concretes carbonation	Fatima Zohra Dakhmouche, Hocine Chabil, Xavier Brunetaud, Muzahim Al-Mukhtar

HYD1

Hydraulic Engineering Session 1; 17 October, 2012			12:00-13:30	Hall B
Session Chair : Mustafa Göğüş				
Abstract Number	Title	Authors		
0541	Scour Countermeasure Design for Sequential Viaducts on Ankara – Pozantı Highway	Ali Melih Yanmaz, Egemen Çam		
0176	Estimation of Local Scour Dimension in Downstream of Siphon Spillway Using of Data Driven Methods	Reza Jafarinia, Kourosh Qaderi, Adel Pournemat-Roudsari		
0688	Effect of Abutment Length on Scour Pattern for Abutments With Curved Toe	Mustafa Göğüş, Mete Köken, Burhan Yıldız		
0767	Experimental Study of Local Scour Downstream of Cylindrical Bridge Piers	Mohammed Tariq Al-Shareef, Mustafa Günal		
0675	Criteria for Choosing Correct Turbine for Small Hydropower Plants	Ali Günyaktı		

HYD2

Hydraulic Engineering Session 2; 17 October, 2012			15:30-17:00	Hall B
Session Chair : Nuray Denli Tokyay				
Abstract Number	Title	Authors		
0120	Numerical Investigation of Operation Levels in a Surge Tank of a Small Hydropower Plant	Melih Çalamak, Zafer Bozkuş		
0819	Investigation of Waterhammer in Camlidere Dam-Ivedik Water Treatment Plant Pipelines	Emre Sakabaş, Zafer Bozkuş		
0181	Experimental and Numerical Modeling of Free Hydraulic Jump Downstream of a Gate	Veysel Gümüş, Mevlüt Sami Aköz, Oğuz Şimşek, Nazire Göksu Soydan, Mehmet Salih Kırkgöz		
1194	Experimental Investigation of Vertical Distribution of Suspended Sediment after Hydraulic Jump	Siavash Haghighi, Mohammad Reza Kavianpour, Keyvan Nasiri		
0942	Effects of Bed Roughness on the Characteristics of Hydraulic Jumps	Nuray Denli-Tokyay, Deniz Velioğlu		

HYD3

Hydraulic Engineering Session 3; 17 October, 2012			17:30-19:00	Hall B
Session Chair : Ali Günyaktı				
Abstract Number	Title	Authors		
0184	Experimental and Numerical Modeling of Flow over a Gate-Controlled Semi-Cylinder Weir	Mehmet Salih Kırkgöz, Veysel Gümüş, Nazire Göksu Soydan, Oğuz Şimşek, Mevlüt Sami Aköz		
0913	Discharge Formula for Sharp-Crested Rectangular Weirs	Siamak Gharahjeh, İsmail Aydın, A. Burcu Altan-Sakarya		
1045	Identification of Effective Dimensionless Parameters in Total Sediment Transport Loads by the Principal Component Analysis	Yashar Karimi, Gökmen Tayfur		
1007	Application of Current Deflecting Wall-Sill on Sediment Control at Lateral Intake	Ghorban Mahtabi, Ali Hosseinzadeh-Dalir, Davood Farsadizadeh, Siamak Gharahjeh		
1424	Numerical Modeling of Navier-Stokes Equations Based Water Wave Propagation Using Radial Basis Function Collocation Method	Yavuz Tokmak, Osman S. Börekçi		

HYD4

Hydraulic Engineering Session 4; 18 October, 2012			10:00-11:30	Hall B
Session Chair : Melih Yanmaz				
Abstract Number	Title	Authors		
0738	Numerical Simulation of Flood Wave Propagation due to Dambreak	İsmail Haltaş, Gökmen Tayfur, Şebnem Elçi		
1283	Performance and evaluation of harvesting system in residential buildings to reduce urban flooding in developing countries (Case study area: Hamadan, Iran)	Mohammad Hossein Rashidi-Mehrabadi, Bahram Saghafian, Mohammad Sadegh Sadeghian		
0160	Simulation of Reservoir Behaviour Using Generated Inflow and Performance Criteria	Mazouz Kherouf, Rachid Mansouri, Mouloud Mezaache		
0828	Comparison of Hedging Policies in Reservoir Management under Drought Condition	Alireza Borhani Dariane, Farzane Karami		
1031	Development of a Decision Support System for Real Time Reservoir Operation Using Numerical Weather Prediction Data	Aynur Şensoy, Gökçen Uysal, Ömer Yavuz, Ali Arda Şorman, Tolga Gezgin, Türker Akgün		

HYD5

Hydraulic Engineering Session 5; 18 October, 2012			12:00-13:30	Hall B
Session Chair : Nuri Merzi				
Abstract Number	Title	Authors		
0842	Hydraulic Assessment for Commercial Pipe Design by Using Power Form Equation	Gürol Yıldırım		
0843	Stepwise Procedure for Computing Micro-irrigation Lateral Head Losses	Gürol Yıldırım		
0462	Chance Constrained Optimization of Booster Disinfection in Water Distribution Networks	Ezgi Köker, A. Burcu Altan Sakarya		
0337	Pump Scheduling Optimization of Water Distribution Networks Using Genetic Algorithms	Gençer Gençoğlu, Nuri Merzi		
0355	Estimation of Frictional Pressure Losses in Annulus with Pipe Rotation Using Support Vector Machines and Computational Fluid Dynamics	Mehmet Sorgun, Ahmet Murat Özbayoğlu, Mehmet Evren Özbayoğlu		

HYD6

Hydraulic Engineering Session 6; 18 October, 2012			15:30-17:00	Hall B
Session Chair : Zuhale Akyürek				
Abstract Number	Title	Authors		
0769	Determination of Expected Value for Monthly Total Precipitation by Entropy Based Method	Özgür Temiz, Türkay Baran		
0587	Entropy-Based Probability Distribution Estimation for Daily Flows	Aslıhan Albostan, Bihret Önöz		
0775	River Flow Forecasting Using Adaptive Neuro-Fuzzy Inference System and Wavelet	Alireza Borhani Dariane, Shima Azimi		
1231	Trend Analysis of Tigris River Basin Stream Flow Data	Abdullah Muratoğlu, Mehmet İshak Yüce		
0905	Quantifying Vertical Mixing in Stratified Reservoirs	Şebnem Elçi		

HYD7

Hydraulic Engineering Session 7; 18 October, 2012			17:30-19:00	Hall B
Session Chair : İsmail Yücel				
Abstract Number	Title	Authors		
0546	Modeling of Seasonal Snow Water Potential and Daily Discharges in the Upper Euphrates Basin, Turkey	Ali Arda Şorman, Aynur Şensoy, Ersin Gözel, Egemen Yamankurt, Ali Ünal Şorman		
0476	Analysis of Heavy Rainfall Events Using Hydrometeorological System and Remote Sensing	Alper Önen, İsmail Yücel		
0626	Downscaling of Precipitation to Tahtali Watershed in Turkey for Climate Change Scenarios	Umut Okkan, Okan Fıstıkoğlu		
0486	Confidence Limit Estimation of Maximum Value of Drought Parameters Using Stochastic Models: Case Study of Çoruh Basin, Turkey	İbrahim Can, Fatih Tosunoğlu		
0876	Development of Rainfall-Runoff Model Using System Dynamics (SD) Analysis	Alireza Borhani Dariane, Mohammad Mehdi Javadiazadeh		

HYD8

Hydraulic Engineering Session 8; 19 October, 2012			10:00-11:30	Hall B
Session Chair : İsmail Aydın				
Abstract Number	Title	Authors		
1293	Comparison of boundary-blockage and boundary-friction effects on an air-entraining vortex	Kerem Taştan		
1425	A Comparison between 3D LES of Vortex Shedding of Uniform and Tapered Cylinders in Subcritical Reynolds Number	Mostafa Zeinoddini, Vahid Tamimi, Selda Shahvaghari Asl		
0716	Modeling of Aeration on the Spillways	Egemen Aras, Mehmet Berkün		
0614	Experimental Study on the Effects of Inlet Flows on Aeration in Chute Spillway (Case Study: Jare Dam, Iran)	Hamid Shamloo, Sarvenaz Hoseini-Ghafari, Mohamad Kavianpour-Esfahani		
0649	Hydraulic Model and Numerical Study of Vortex Formation in Head Pond of Adacami Hydropower Plant	İsmail Aydın, Mete Köken, Akın Aybar		

HYD9

Hydraulic Engineering Session 9; 19 October, 2012			14:30-16:00	Hall B
Session Chair : Arda Şorman				
Abstract Number	Title	Authors		
0177	Erosion and Sediment Transport Problems in the Harran Plain	Yakup Darama		
0357	The use of Satellite Data for Sustainable Development of the Water Resources in the Mountainous Terrain	Zuhal Akyürek, Serdar Süre, Özgür Beşer, Kenan Bolat, Aynur Şensoy, Ali Arda Şorman, Aydın G. Ertürk		
0867	Impact of Land Use /Cover Changes on Water Quality and Quantity in a Calibrated Hydrodynamic Model	Sezar Gülbaz, Cevza Melek Kazezyılmaz-Alhan		
0122	How Well Can Ensemble-Averaging Approach Account for the Sub-Grid Heterogeneity in Hydraulic Modeling Problems	Ahmet Emin Kurtoğlu, İsmail Haltaş		
1389	River Basin Management and Characterization of Water Bodies in North Cyprus	Umut Türker, Benny R. Hansen		

HYD10

Hydraulic Engineering Session 10; 19 October, 2012			16:30-18:00	Hall B
Session Chair : Halil Önder				
Abstract Number	Title	Authors		
0970	Surface Water/Ground Water Interactions in Büyükçekmece Wetland Site	Uğur Boyraz, Cevza Melek Kazezyılmaz-Alhan		
0419	Seepage Analysis through Earth-fill Dams Having Random Fields	Melih Çalamak, Elçin Kentel, Ali Melih Yanmaz		
1369	Electricity Market in Turkey – 2011	Mümtaz Ak, Melih A. Yanmaz, Elçin Kentel		
0542	Analysis of 2010 Bostancı-Güzelyurt Flash Flood	Bertuğ Akıntuğ, A. Melih Yanmaz, Zuhal Akyürek, Serdar Süre		
1218	Solution of One Dimensional Transient Flow in Composite Aquifers Using Stehfest Algorithm	Ürün Bakar, Halil Önder		
1383	Groundwater Vulnerability Assessment with Drastic Method: A Case-Study on Kırıkkale Plain, Turkey	Halil Önder, Ahmet Hakan Büyükdemirci		

HYD POSTER

Hydraulic Engineering Poster Session				
Abstract Number	Title	Authors		
0205	Numerical Analysis of Geometry Effects on Aeration in Bottom Outlets	Fatemeh Ghazali, Seyyed Ali Akbar Salehi-Neyshabouri, Mohammad Reza Kavianpour		
0963	Modeling of Potable Water Distribution Systems	Ayşenur Uslu, Gülfem Bakan		
1290	3D-Numerical Simulation of Pool and Weir Fishways	Shadi Aknooni, Hamid Shamloo		

GEO1

Geotechnical Engineering Session 1; 17 October, 2012			12:00-13:30	Hall A
Session Chair : Erdal Çokça				
Abstract Number	Title	Authors		
471	Investigation of the Vertical Stress of Square Foundations at Different Loads and Depths on Sandy Soils	Baki Bağrıaçık, Mustafa Laman, Ahmet Demir		
590	Effect of Load Distribution on Raft Behavior for Piled Foundations in Ankara Clay	Volkan Kalpakcı, Yener Özkan		
1412	An Investigation of Bearing Capacity of Footings over Layered Soils	Ahmet Demir, Mustafa Laman, Murad Abu-Farsakh, Qiming Chen, Murat Örnek, Baki Bağrıaçık		
335	Three-Dimensional Bearing Capacity of Rough Circular Footing in Sand	Abdelhak Mabrouki, Mekki K. Mellas, Djamel Benmeddour		
1255	Settlement Analysis of Geogrid Reinforced Granular Fill Underlain by Clay	Murat Örnek, Ahmet Demir, Mustafa Laman, Abdülazim Yıldız		

GEO2

Geotechnical Engineering Session 2; 18 October, 2012			10:00-11:30	Hall A
Session Chair : Kartal Toker				
Abstract Number	Title	Authors		
1282	Monotonic triaxial tests on fiber reinforced sand	Selim Altun, Nurcan Uğur, Devrim Erdoğan, Alper Sezer		
1414	The Effect of Natural Resin Addition on Strength Parameters of Railway Embankment	Mesut Gör, Hüseyin Suha Aksoy		
1257	Mechanical Behaviour of Dune Sand – Bentonite Mixture under Triaxial Conditions	Mohammed Lamara, Med Kamel Gueddouda, Tarek Chiker		
1003	Effect of Lime Used With Sea Water upon the Strength of Low Plasticity Clay	Gamze Bilgen, Ömer Faruk Çapar, Aydın Kavak		
667	Desiccation and Consolidation Properties of Clays Reinforced by Tire-chips	Hossein Soltani Jigheh, Moharram Asadzadeh		
608	Use of granulated blast furnace slag and fly ash in cement-bentonite slurry wall construction	Davood Talefirouz, Erdal Çokça		

GEO3

Geotechnical Engineering Session 3; 18 October, 2012			12:00-13:30	Hall A
Session Chair : Yener Özkan				
Abstract Number	Title	Authors		
71	Evaluation of Soil Liquefaction Potential based on Shear Wave Velocity Method along Tabriz Metro Line 2	Parisa Nasiri, Rouzbeh Dabiri, Mehrnaz Boudagh		
884	23 October 2011 Van-Tabanlı Earthquake (Mw=7.1) Geotechnical Field Observations	Zeynep Gülerce, Kemal Önder Çetin, Mustafa Tolga Yılmaz, Nejan Huvaj, Yeşim Sema Ünsever, Sevinç Ünsal, Selman Sağlam, Abdullah Sandıkkaya, Melih Türkoğlu		
935	Numerical Modeling of the Seismic Geofoam Buffers with Flexible Earth Retaining Walls	Özgür Lütfi Ertuğrul, Aurelian Catalin Trandafir, Mehmet Yener Özkan		
1432	Design of Laminar Shear Box for One Dimensional Shaking Table Tests	Nurhan Ecemiş, İrem Kahraman		
1133	Cyclic Shear Strain Response of Fine-Grained Soils	Habib Tolga Bilge, Kemal Önder Çetin		

GEO4

Geotechnical Engineering Session 4; 18 October, 2012			15:30-17:00	Hall A
Session Chair : Özgür Lütfi Ertuğrul				
Abstract Number	Title	Authors		
619	Behavior of Laterally Loaded Piles on Slopes	Çiğdem Özçelik, Oğuz Aydoğdu, Havvanur Kılıç		
340	Finite difference modeling of slope stabilization with large diameter shafts	Ali Güney Özcebe, Carlo Giovanni Lai, Vincenzo Fioravante, Daniela Giretti, Chiara Prearo		
213	An Analysis of Değirmendere Shore Landslide During 17 August 1999 Kocaeli Earthquake	Oğuzhan Bülbül, M. Yener Özkan		
1362	Landslide susceptibility mapping with analytical hierarchical process and GIS techniques (case study: Zonouz, East Azerbaijan, Iran)	Vahid Nourani, Hamid Ghaffari		
1179	Rainfall Triggered Landslides in Unsaturated Soils: A numerical sensitivity analysis	Mohammad Ahmadi-Adli, Nejan Huvaj, Nabi Kartal Toker		
Sponsor presentation	Design of bridges on landslide areas	Cenan Ozkaya, Gulden Cetin, Fikret Tulumtas		

GEO5

Geotechnical Engineering Session 5; 18 October, 2012			17:30-19:00	Hall A
Session Chair : Ayhan Gürbüz				
Abstract Number	Title	Authors		
560	Measurement of Lateral Swell Pressure by Thin Wall Oedometer	Timuçin Hergül, Erdal Çokça		
126	Influence of Salt Waters on the Behavior of Collapsible Soils	Rachid Benkadja, Brahim Belouahri, Khadidja Djebblahi		
555	Challenges for Modeling Heave in Unsaturated Expansive Soils under Irrigation Canals	Fariba Behrooz Sarand, Masoud Hajjalilue-Bonab		
491	Prediction of Collapsible Soils by Proctor Tests	Azzeddine Lahmadi, Khelifa Abbeche, Leila Zeghichi, Nassima Bakir		
551	Cement Soil Enhancement to Control the Damaging Effect of Expansive Soils	Waddah Salman Abdullah, Ahmed Salih Sharqi		

GEO6

Geotechnical Engineering Session 6; 19 October, 2012			10:00-11:30	Hall A
Session Chair : Oğuzhan Akbaş				
Abstract Number	Title	Authors		
452	Influence of Trench Soil Properties on the Accuracy of Pressure Cell Measurements in Embankment Dams	Dorsa Elmi, Ali Asghar Mirghasemi		
509	Assessment the Influence of Building's Geometry, position and Weight on lining loads using a Numerical Finite Element Method	Amir Hassan Rezaei, Hooshang Katebi		
742	Surface Settlement Prediction for Tunnels of Algiers Metro with Finite Element and Empirical Methods	Mustapha Akchiche, Ramdane Bahar		
1152	Marine Buried Pipeline Upheaval Buckling In Clayey Backfill Using Finite Element Analysis	Alahyar Koochekali, Behrouz Gatmiri, Amirabbas Koochekali		
62	Study of the performance of constitutive laws for interface soil-pile under cyclic solicitation: Application of thermo-active pile in seasonal mode operation	Maria Elizabeth Suryatriyastuti, Hussein Mroueh, Sébastien Burlon		
708	Effects of Liquefiable Layer on Dynamic Response of Anchored Flexible Quay Wall	Ashraf Zekri, Mohammad Hossain Aminfar, Abbas Ghalandarzadeh, Pooyan Ghasemi		
579	Numerical Analysis of Buried Pipelines Subjected to Earthquake Effect	İsa Vural, Berna Unutmaz, Nihat Sinan Işık, Seyhan Fırat		

GEO7

Geotechnical Engineering Session 7; 19 October, 2012			14:30-16:00	Hall A
Session Chair : Cem Akgüner				
Abstract Number	Title	Authors		
566	Comparisons between the Estimations of the p- δ Behavior of a Single Pile in a Glacial Till under Saturated and Unsaturated Conditions Using Two Different Numerical Techniques	Nil Taylan, Aykut Şenol, Sai K. Vanapalli		
945	Finite Element Analysis for Seismic Behaviour of Point Bearing Piles for Different Soil Conditions	Özgür Yurdakul, Mehmet İnanç Onur, Ahmet Tuncan, Mustafa Tuncan		
98	Mechanical Behaviour of Earth Retaining Walls	Lazhar Belabed, Jarir Yahiaoui, Hacene Benyaghla		
165	The Back Analysis of a 25m Deep Excavation Supported by Anchored Bored Pile Walls	A. Mengüç Ünver, İnci Süt Ünver		
1015	A Critical Assessment of Rammed Aggregate Pier Load Test Results	Ece Kurt-Bal, Kemal Önder Çetin		
665	The Construction Management Assessment of a Railway Embankment Improvement by Geogrid and Jetgrout Technics	Murat Anbarcı, Bora Arslan, Müslüm Gündüz, Ekrem Manisalı		
1438	Settlement of Foundations on Soils Improved by Columns	Mahmut Y. Şengör, Maral Tekin, Onur Pekcan, Şevki Öztürk, Ufuk Ergun		

GEO8

Geotechnical Engineering Session 8; 19 October, 2012			16:30-18:00	Hall A
Session Chair : Berna Unutmaz				
Abstract Number	Title	Authors		
1191	Freezing-Thawing Effect on Shear strength of Stabilized Clayey Soils	Murat Olgun, İbrahim Hakkı Erkan, Özcan Tan		
916	A Study of Fluctuations in Cyclic Large Strain Behavior of Granular Soils	Ali Fırat Çabalar, Kağan Tuncay		
919	Influences of Various Shapes of Sand Particles, and Pore Fluid Viscosity on the Behavior of Sand- Clay Mixtures	Rozghar Abdullah Hasan, Ali Fırat Çabalar		
1204	Pre and post freeze - thaw behavior of silty sand soils	Gökhan Çevikbilen, Mustafa Hatipoğlu, Recep İyisan, Fazıl Kıran, Mehmet Bol		
343	The Effect of CaCO ₃ Content on Recompression Index	Gökhan Çevikbilen, Muniram Budhu		
1117	Water content variability of unsaturated soil specimens in conventional strength tests	Reza Ahmadi-Naghadeh, Nabi Kartal Toker, Mohammad Ahmadi-Adli		

GEO POSTER

Geotechnical Engineering Poster Session		
Abstract Number	Title	Authors
398	Modification of Granular Soils by Using Red Mud-cement Mixture	Ekrem Kalkan
1332	Laboratory Hydraulic Conductivity Measurement of Sealing Barriers Materials using Triaxial Cell	Chahira Sayad-Gaidi, Laouni Gaidi, Saidi Taibi
1342	Retained solute mass measurement by clay during infiltration test	Laouni Gaidi, Ibrahim Alimi Ichola, Chahira Sayad-Gaidi

TRANS1

Transportation Engineering Session 1; 17 October, 2012			12:00-13:30	Hall H
Session Chair : Leyla Ünal				
Abstract Number	Title	Authors		
960	Improving the performance of urban public transport systems: case study of Denizli, Turkey	Görkem Gülhan, Cenk Ozan, Hüseyin Ceylan, Özgür Başkan, Yetiş Şazi Murat, Soner Haldenbilen, Halim Ceylan		
998	Determination of the Traffic Assignment Principle for the Road Freight Transportation in Turkey	Murat Özen, Hediye Tüydeş-Yaman		
1106	Application of PSO Algorithm for OD Matrix Estimation in Large Scale Networks	Mehrdad Gholami Shahbandi, Abbas Babazadeh		
1272	Air Passenger Demand Forecasting for Planned Airports, Case Study: Ordu-Giresun Airport	Soner Osman Acar, Rıza Onur Yazıcı, Meriç Gökdalay		

TRANS2

Transportation Engineering Session 2; 17 October, 2012			15:30-17:00	Hall G
Session Chair : Dilruba Özmen-Ertekin				
Abstract Number	Title	Authors		
185	Effect of Dwell Times On Performance Of Signalized Intersections	Kiarash Ghasemlou, Metin Mutlu Aydın, Serhan Tanyel, Ali Topal, Süheyla Pelin Çalışkanelli		
598	Investigating the Effects of Variable Speed Limits on Freeway Traffic Flow Performance	Ali Sercan Kesten, Murat Ergün, Tetsuo Yai		
1451	Modeling Multi-Class Traffic Flows using Hydrodynamic Model	Hediye Tüydeş-Yaman, Kağan Tuncay		

TRANS3

Transportation Engineering Session 3; 17 October, 2012			17:30-19:00	Hall G
Session Chair : Cumhuri Aydin				
Abstract Number	Title	Authors		
112	Safety Analysis of Unconventional U-Turn Using Neural Network and Crash Prediction Model	Leila Azizi, Abdolreza Sheikholeslami, Fatemeh Bagheri Khalili		
296	Assessing Sustainable Campus Transportation Policies Using Simulation	Oruc Altintasi, Hediye Tuydes Yaman		
791	The Role of Young Drivers (University Students) in Traffic Accidents	Yalcin Alver, Pelin Onelcin, Doruk Akgul, Tolga Tortumluoglu		
792	Bikeway Usage Survey for Campus of Ege University and a Bikeway Project for the Campus	Damla Korkmaz, Tugce Sana, Pelin Onelcin, Yalcin Alver		
977	Investigation Of The Effect Of Micro Roughness On Traffic Safety At Urban Intersections	Meltem Saplioglu, Emel Yuzer, Ekinhan Eriskin		
1430	Sustainability Analysis of Metropolitan Transport Networks Under Unexpected Traffic Demands	Iradj Ouveysi, Majid Sarvi		

TRANS4

Transportation Engineering Session 4; 18 October, 2012			10:00-11:30	Hall C
Session Chair : Fatma Orhan				
Abstract Number	Title	Authors		
174	Optimizing Hot Mix Asphalt Volumetric Properties	Fouad Ahmed Gharaybeh		
926	Modification of Bitumen by Recycled Post-Consumer Low Density Polyethylene with Surface Activated Using Gamma Beam Method	Perviz Ahmedzade, Alexander Fainleib, Olga Grigoryeva, Yalçın Alver, Olga Starostenko, Victor Sakhno, Taylan Günay, Baurzhan Kultayev		
964	Investigation Of Warm Mix Asphalt Mixtures	Mehmet Bayazit, Yüksel Taşdemir		
992	Rheological Properties Of Bituminous Binder Modified With Waste Plastic Polypropylene Liquefied By Pyrolysis Method	Osman Nuri Çelik, Neslihan Atasağun, Mehmet Ali Lorasokkay		
1023	Marshall Stability In Hot Bituminous Mixture Modified By Liquefied Waste Vehicle Tires With Pyrolysis Method	Osman Nuri Çelik, Mehmet Ali Lorasokkay, Neslihan Atasağun		
1262	Artificial Neural Network based model for Superpave Asphalt Mix Design	Hande Isik Ozturk, Muhammed Emin Kutay		

TRANS5

Transportation Engineering Session 5; 18 October, 2012			12:00-13:30	Hall C
Session Chair : Murat Güler				
Abstract Number	Title	Authors		
234	Cold-In-Place Recycling (CIPR): A new implemented technique for Pavement Rehabilitation in Libya	Mukhtar Elseddig Abukhettala, Mohamed Shaheen Zubi		
351	The Utilization of Recycled Asphalt Pavement with Warm Mix Asphalt	Jülide Oylumluoğlu, Burak Şengöz, Ali Topal		
968	Investigation of The Electrical Conductivity of Asphalt Concrete Containing Carbon Black	Tacettin Geckil, Perviz Ahmedzade, Taner Alatas		
1217	Evaluating Temperature Sensitivity of Glasphalt Mixtures Using Non Destructive Test	Mahyar Arabani, Neda Kamboozia		
1325	The Investigation of The Producibility of Light Asphalt Concrete Using Expanded Clay Aggregate	Sercan Serin, Nihat Morova, Serdal Terzi, Mehmet Saltan		
1426	Performance Assessment of Thin Asphalt Overlays on Concrete Pavements using Seismic Non-Destructive Testing	Mehmet Sait Cülfik, Yetkin Yıldırım		

TRANS6

Transportation Engineering Session 6; 18 October, 2012			15:30-17:00	Hall C
Session Chair : Serkan Tapkın				
Abstract Number	Title	Authors		
73	Investigation of the subway slab tracks under different loading conditions. Case study: Isfahan Subway	Alireza Gharighoran, Amin Rafizadeh, Amir Hamidi		
92	Numerical Analysis of Ballast Layer Thickness For Different Axle Loads And Passing Speeds	Mohammadworya Khordehbinan, Pouya Rakhshani		
345	An Approach Practically to Risk Assessment of Railway Undertaking in Turkey	Emre Özcan, Zübeyde Öztürk		
380	Regional Calibration of the Rutting Models in MEPDG – Idaho Case Study	Sherif El Badawy, Fouad Bayomy, Mike Santi		
712	PMS-GIS Model for Preservation and Maintenance of Road Pavement	Nasser Pourmoallem, Alireza Mashhadizadeh, Amir Hamidi		
1259	Seismic Behavior of Railway Superstructure	Mohammad Khayyam, Elias Behmagham		

TRANS7

Transportation Engineering Session 7; 19 October, 2012			10:00-11:30	Hall C
Session Chair : Hediye Tüydeş-Yaman				
Abstract Number	Title	Authors		
371	A Gradient Projection-Based Linearization Algorithm for Traffic Assignment Problem	Babak Javani, Abbas Babazadeh		
726	Location Of Optimum Fire Station	Nasser Pourmoallem, Mohammad Kamrani, Amin Mohammadi		
932	Artificial bee colony algorithm for continuous network design problem with link capacity expansions	Özgür Başkan, Mauro Dell'Orco		
953	A Reinforcement Learning Based Algorithm for Area Traffic Control	Cenk Ozan, Özgür Başkan, Halim Ceylan, Soner Haldenbilen		

TRANS POSTER

Transportation Engineering Poster Session				
Abstract Number	Title	Authors		
46	A Meta-Heuristic Approach to Optimal Coordinated Design of Variable Speed Limits and Ramp Metering	Shahriyar Afandizade, Hajar Hajmohamadi, Navid Kalantary		
209	Offering an Index for Line Qualitative Evaluation in Maintenance Management System of Subway lines	Pouya Rakhshani, Mohammad Worya Khordehbinan		
784	Investigation of Impacts of Longitudinal Slope Effects On Metro Projects and Operating Cost	Zübeyde Öztürk, Yunus Emre Ayözen		
918	The comparison of fatigue performance in stone mastic asphalt mix reinforced with cellulose fiber, glass fiber and carbon fiber	Arsalan Mehrara		

CM1

Construction Engineering and Management Session 1; 17 October, 2012			12:00-13:30	Hall F
Session Chair : Emin Öcal				
Abstract Number	Title	Authors		
1014	Enhancing Civil Engineering Education For 21st Century Civil Engineers	Halit Cenan Mertol		
1039	Application of Value Engineering in Construction Projects	Şenay Atabay, Niyazi Galipoğulları		
1192	The Comparison of Construction Management Practices in The United States and in Turkey	Dostcan Sevim, Murat Kuruoğlu, Volkan Ezcan, Harun Övünç Oral		
859	Effectiveness of knowledge management activities in the Turkish construction industry	Beliz Özorhon, Cenap Goktuğ Karataş, Hasan Altun		
426	Analysis of Architectural Design Process within the Scope of Project Management	Güliden Gümüşburun-Ayalp, Mehmet Emin Öcal		

CM2

Construction Engineering and Management Session 2; 17 October, 2012			15:30-17:00	Hall F
Session Chair : Ekrem Manisalı				
Abstract Number	Title	Authors		
463	Steel Roof Works of Seyrantepe Stadium in terms of Construction Management	Semih Göksel Yıldırım		
535	Assessment of LEED Requirements for Energy and Atmosphere in Turkey	Rüveyda Kömürlü, David Arditi, Aslı Pelin Gürgün		
722	Implementation of Lean Construction in Power Plant Projects: Construction Processes Wastes Management	Mehdi Rashid, Gholamreza Heravi		
453	BIM Implementation in Developing Countries	Navid Sanei-Sistani, Alireza Rezaei		
1203	Sustainable Airports Planning and Construction Practices in the Context of Environmental Bioethics	Nurhan Oto, Nesrin Çobanoğlu		

CM3

Construction Engineering and Management Session 3; 17 October, 2012			17:30-19:00	Hall F
Session Chair : Mmtaz smen				
Abstract Number	Title	Authors		
191	Regulation Management on Worker Health and Safety: The Position of the Turkish Construction Industry	Serdar Ulubeyli, Aynur Kazaz, Bayram Er		
1320	A Survey on Health and Safety Issues on Construction Sites in Turkish Republic of Northern Cyprus	Moin N. Naim, Grkan Emre Grcanlı, Tahir elik		
823	Improving health and safety trainings in construction using dramas	Gkhan Arslan, Serkan Kivrak		
536	Challenges in Effective Construction Safety Training	Sevilay Demirkesen, David Arditi		
1270	An Investigation on Delay, Cost Overrun, Quality, and Health and Safety Problems in Construction Projects	Tahir elik, Changiz Ahabab		

CM4

Construction Engineering and Management Session 4; 18 October, 2012			10:00-11:30	Hall F
Session Chair : Tahir elik				
Abstract Number	Title	Authors		
140	Marketing Activity Selection Based on Fuzzy-AHP	Gl Polat, Befrin Neval Bingl		
145	Factors Considered by Turkish Contractors in Mark-Up Size Decision for International Projects	Gl Polat, Kadir Gen, Befrin Neval Bingl		
1021	Representation of Topological Building Information for Creating Shortest Evacuation Paths during Building Emergencies	Grans Gven, Murat Ayhan, Esin Ergen, Tuna Snmez, zgr Kur, Murat Altu Erberik, Mustafa Talat Birgnl		
991	An Integrated Optimization Model Towards Energy Efficiency For Existing Buildings - A Case Study For Bogazici University Kilyos Campus	Emre M amlıbel, Emre N Otay		
676	Success Factors for the Implementation of Knowledge Management Models in the Construction Industry	Fahriye Hilal Halıciolu, David Arditi, Suat Gnhan		

CM5

Construction Engineering and Management Session 5; 18 October, 2012			12:00-13:30	Hall F
Session Chair : David Arditi				
Abstract Number	Title	Authors		
1149	Sustainable Key Performance Indicators for the Construction Industry	Zeynep Işık, Hande Aladağ, Durmuş Akkaya		
114	The Using of ELECTRE Method For Selection of Supplier in Construction Industry	Osman Murat Kaya, Osman Aytekin, Hakan Kuşan		
382	Arbitration of Strengthening of Public Structures by Benefit- Cost Analyses	Önder Halis Bettemir		
434	Risk Assessment and Allocation for Joint Venture Construction Projects in Iran: A Case Study of Qom Monorail Project	Parisa Shekari-Namin, Gholamreza Heravi		
1141	A Survey of the Current Marketing Concept Employed By Turkish Construction Firms	Ercan Erdiş, Hilmi Coşkun, Mustafa Demirci, Gülgün Mıstıkoğlu, İ. Halil Gerek		
315	Multiobjective Construction Site Layout Planning Using GA (Genetic Algorithm)	Seied Mohammad Langari, Yaghoub Gholipour		

CM6

Construction Engineering and Management Session 6; 18 October, 2012			15:30-17:00	Hall F
Session Chair : Makarand Hastak				
Abstract Number	Title	Authors		
139	Resource Management in Linear Schedules: An Overview	Atilla Damcı, Gül Polat		
663	Obtaining Optimal Activity Durations of a Construction Project from the Cash Flows Using Genetic Algorithm	Osman Hürol Türkakın, Murat Anbarcı, Ekrem Manisalı		
118	Effect of Correlation between Activity Durations on Scheduling and Contingency Time Estimation in Construction Projects	Önder Ökmen, Ahmet Öztaş		
809	Resource Leveling of a Highway Project Using Branch and Bound Algorithm	Resulali Emre Örgüt, İrem Şengül, Gül Polat		

COAST1

Coastal and Harbor Engineering Session 1; 17 October, 2012			12:00-13:30	Hall G
Session Chair : Ahmet Cevdet Yalçiner				
Abstract Number	Title	Authors		
1285	Field Survey on the Coastal Impacts of March 11, 2011 Great East Japan Tsunami	Ahmet Cevdet Yalçiner, Ceren Özer, Andrey Zaytsev, Anawat Suppasri, Erick Mass, Öcal Necmioğlu, Fumihiko Imamura, Costas Synolakis, Nurcan Meral Özel, Nikos Kalligeris		
757	Wave Power Potential of North Cyprus	Çetin Mazharoğlu, Barış Hiçsönmez		
995	Rehabilitation of Damaged Coasts Using Beach Nourishment and a Case Study in Izmit Bay	Alper Mert, Emre N. Otay		

COAST2

Coastal and Harbor Engineering Session 2; 18 October, 2012			10:00-11:30	Hall G
Session Chair : Can Elmar Balas				
Abstract Number	Title	Authors		
1140	Ship-based Risks in the Port Construction Projects	Cemil Yurtören, Serdar Kum, Tanzer Satır, Y. Volkan Aydoğdu, Nil Güler		
616	Where Wave-Induced Pore Pressure Is Effective on Geotechnical Stability of Berm Breakwaters	Saeedeh Sadat Moosavifar, Ali Fakher		
248	Wavelet Neural Network and Wavenet Performance Evaluation in Hydrodynamic Force Prediction due to Waves on Vertical Cylinders	Afshin Pourtaghi, Masoud Abitorabi, Mehrdad Azadi		
32	Verification of a Turbulence Model for Rough Oscillatory Boundary Layers	Ahmad Sana, Mahad Baawain		
309	Harbour Preparation against the Earthquake	Razieh Mehrzad, Sina Dadsetan, Ahmad Mehrzad		

GEOMAT1

Geomatics Engineering Session 1; 18 October, 2012			10:00-11:30	Hall H
Session Chair : Mahmut Onur Karslıoğlu				
Abstract Number	Title	Authors		
961	Airborne laser scanning data for automatic 3D model reconstruction of buildings walls	Yashar Fallah-Vazirabad, Mahmut Onur Karslıoğlu		
973	Flood Risk Mapping for Pazarsuyu Creek, Giresun, Turkey, Using a Two-Dimensional Inertial Based Flood Inundation Model	Çağla Melisa Kaya, Dapeng Yu, Oğuz Güngör		
974	Spatial Analysis for Optimum Routing of Power Transmission Lines using GIS	Yiğit Dedemen, Mahmut Onur Karslıoğlu		

GEOMAT POSTER

Geomatics Engineering Poster Session				
Abstract Number	Title	Authors		
571	A Risk Analysis of Landslide by Localized Heavy Rain Based on the Spatial Analysis	Byeong Woo Kim, In Joon Kang, Sang Cheol Song, Sung Woo Moon		
574	Insolation Modeling using Geo-Spatial Elements of Photovoltaic Facility	In Joon Kang, Myung Chan Son, Jin Young Kim, Hui Cheon Yun		