

## 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 Kalpakçı, 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- $\delta$ 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 <sub>3</sub> 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