

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 Ramezaniyanpour, 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