



ISITES2013

1ST INTERNATIONAL SYMPOSIUM ON INNOVATIVE
TECHNOLOGIES IN ENGINEERING AND SCIENCE

7-9 JUNE 2013

Sakarya University Congress & Culture Center

SYMPORIUM SCHEDULE



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Sakarya University Congress and Culture Center

Sakarya – Turkey

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Assist. Prof. Dr. Turan KARABÖRK	Aksaray University
Assist. Prof. Dr. Mahnaz GÜMRÜKÇÜOĞLU	Sakarya University

7 JUNE 2013 Friday

9:00 – 10:00	Registration
10:00 – 10:30	Welcome and Introduction
10:30 – 11:30 Keynote Speaker Main Hall	Prof.Dr.Durmuş GÜNAY Bilim, Teknoloji ve Mühendislik (Science, Technology and Engineering)
11:30 – 11:45	Coffee Break & Photo Session

1.Parallel Session

				Paper Name	Authors
Chairman: Assist. Prof Dr Atside ATES	7 June 2013	11:45-12:40	Salon 1	A periodic ab initio quantum mechanical calculation of the vibrational frequencies of ammonium nitrate	S. Bourahla, Ali Benamara, S. Kouadri Moustefai
				Hyperspectral imagery, vegetation indices and discriminant analysis for Monitoring forests. Case of Saadia forest in North-Western, Algeria.	Adda Ababou, Mohammed Chouieb, Jamel Saidi, Abdelkader Bouthiba, Mahfoud M'hamedi Mouzina, Khalladi Mederbal
				Study of combined natural convection-surface radiation with internal heat generation	Saber Hamimid, Messaoud Guellal
				The optimization of agricultural exploitation size thought effect to adapt the agro-alimentary supply to the demand of trade	Ungureanu George Chiran Aurel

Chairman: Assist. Prof. Dr. Abdullah Uzun	7 June 2013	11:45-12:40	Salon 2	Innovation Management and Sustainability for Competition: A Literature Review	Halil Savas
				Innovation Management at Vocational Education and Training Institutes: A Necessity to cope with <u>Changing Labor Market Needs</u>	Roger Hessel Ruken Esra Demirdogen
				Best Practices and Value of Technology Use in the Teaching and Learning Environment	Ann Toler Hillard
				The optimizing of the managerial decision assisted by the computer in order to achieve the objectives of s.c. cotnari s:a	Ungureanu George, Chiran Aurel, Brezuleanu Stejarel
Chairman: Roger Hessel	7 June 2013	11:45-12:40	Salon -3	Proteinlerin İkincil Yapılarının Tahmininde Heuristik Yöntemler	Burcu Ç. Yavuz, Nilüfer Yurtay Hikmet Benan Dinctürk Botofte Melike Seyda Arslan
				Sürücü Koltuğu Simülatörü Tasarımı ve Sistem Bileşenlerinin Ekonomik Karşılaştırılması	Murat Cihan Çalışkan, Ünal Uysal
				Ayak Hareketi ile Açılıp-Kapanan Otomatik Bagaj Açma Sistemi	Abdullah Uzun, Gökhan Atalı Zafer Çakır
				Hemzemin geçit bölgeleri için görüntüleme sistemi ile güvenlik kontrolü	Betül Gündüz, Metin Akin, Muhammed Yakışır, Ü. Çiğdem Turhal

Chairman: Assoc. Prof. Dr. Hacı Ali Mantar	7 June 2013	11:45-12:40	Salon -4	Mobil Cihazlarda Farklı Ağ Bağlantılarını Kullanarak TCP Performansının Arttırılması WiMAX Haberleşme Sisteminde Ses Trafiğinin Video Trafiği Üzerine Etkisinin İncelenmesi Kablosuz algılayıcı ağlar ile web tabanlı konum tespiti ve pozisyon belirleme uygulaması Bluetooth ağlarda mesafe ve ağdaki cihaz sayısının veri aktarımına olan etkilerinin karşılaştırması	Necati Ersen Şişeci, Hacı Ali Mantar İbrahim Nalbacı, Cüneyt Bayılmış, Murat İskefiyeli M. Maruf Öztürk, Ünal Çavuşoğlu, Cüneyt Bayılmış, Abdullah Sevin Ali Durdu, Cüneyt Bayılmış Ahmet Turan Özcerit
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12:40 – 14:30 Lunch

14:30 – 15:30 Keynote Speaker Main Hall	Prof.Dr.Sadettin ÖKTEN Medeniyet ve Teknoloji (Civilization and Technology)
15:30 – 15:45	Coffee Break

2.Parallel Session

				Paper Name	Authors
Chairman: Assoc. Prof. Dr. Zafer Tatlı	7 June 2013	15:45-17:00	Salon 1	Band structure of BN, AlN and GaN	K. Benkabou
				Effect of the sandstorms on the solar panels	A Marouan, Nourredine Bouaouadja, Yolanda Castro, Alicia Duran
				Layered ni(II)alkylphosphonates as hybrid inorganic/organic weak ferromagnets	Said A. Ibrahim, Mohamed R. Mahmoud
				Evolution of opto-mechanical characteristics of hybrid aspherical lenses	Aliouane Toufik; Hamdi Amine; Bouzid Djamel
				Relationship between the cation exchange capacity and the physical properties of cheliff saline soils (Algeria).	Djamal Saidi Adda Ababou Abdelkader Bouthiba

Chairman: Assoc. Prof. Dr. Fahri Vatansever	7 June 2013	15:45-17:00	Salon 2	The control of the chaotic single-machine-infinite bus (SMIB) power system using two different methods	Baruş Cevher, Yılmaz Uyaroğlu, Talha Enes Gümüş
				Flow Structure around Shrouded Cylinders in Shallow Water	Göktürk M. Özkan Engin Pinar Muhammed M. Aksoy Tahir Durhasan, Hüseyin Akilli Beşir Şahin
				ANFIS Inverse Kinematics and Hybrid Control of a Human Leg Gait Model	Arif Ankarali, Murat Cilli
				A Dynamic Speed Limit Control Approach for Highway Bottleneck Management	Gökhan Göksu, Ali Sercan Kesten, Murat Ergün, Ahmet Akbas
				Numerical Study of the Earth Pressure Distribution on Cylindrical Shafts	Sadok Benmebarek, Abdelmajid Meftah, Naïma Benmebarek
Chairman: Assoc. Prof. Dr. Fahri Vatansever	7 June 2013	15:45-17:00	Salon 3	Mekansal Yapıların Fotorealistik Modellenmesi ve GoogleEarth	İdris Kahraman, İsmail R. Karaş, Alias Abdul-Rahman, Behnam Alizadehashrafi
				Sosyal paylaşım ağlarında php ve mysql kullanarak etkileşimli arkadaş ekleme-çıkarma yöntemi	Ferhat Aslan, Ali Buldu, Kazım Yıldız, Serdar Arslan
				E-Learning Eğitim Sistemi ile Adobe Captivate Programından Yararlanılarak Bilgisayar Organizasyonu Eğitiminin Web Tabanlı Olarak Verilmesi	Harun Çam Muhammed Ziya Bülbül, Ali Buldu, Kazım Yıldız, A. Ömer Sarıkaya
				Farklı Dosya Formatlarına Göre Sıkıştırma Teknikleri İle Verimlilik Analizi	İhsan Gemici Ali Buldu Kazım Yıldız Alican Yenidoğan Ozan Yükruk
				Öğrencilerin Staj Verileri Üzerine Uygulanan Apriori Algoritması ile Birlikte Kurallarının Çıkarılması ve Staj Eğiliminin Belirlenmesi	Mehmet Taş, M. Fatih Adak, Nilüfer Yurtay

Chairman: Prof. Dr. Osman Çerezci				
	7 June 2013	15:45-17:00		
			Salon 4	
				Görgül Kip Ayırımı ve Hilbert Dönüşümü Kullanılarak Güç Kalitesi Bozukluklarının Analizi
				Yasemin Önal, Doğan Gökhan Ece, Ömer Nezih Gerek
				EMP Jeneratörü Simülasyonu
				Tayfun Yardım, Osman Çerezci
				Alçak Gerilimde Aktif Filtre ile Akım Harmoniklerinin Etkisinin Azaltılması
				Latif Tuğ Cenk Yavuz
				Sakarya Üniversitesinde EMC Alanında Eğitim, Sosyal ve Endüstriyel Kapsamda Gerçekleştirilen Çalışmalar
				Suayb Yener Baha Kanberoğlu Osman Çerezci Muhammet K. Ucar
				Ortogonal Hilbert Huang Dönüşümü Kullanılarak Kırışma İndeksi Pst'nın Hesaplanması
				Yasemin Önal, Ümit Çiğdem Turhal

19:00	Symposium Dinner (Green Blue Restaurant)
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FRIDAY

8 JUNE 2013 Saturday

1.Parallel Session

				Paper Name	Authors
Chairman: Assoc. Prof. Dr. Banuş Tamer Tonguç	8 June 2013	09:00-10:15	Salon 1	Characterization of Dehydrated Magnesium Borate Minerals Synthesized by Solid-State Method at 800oC from MgCl ₂ .6H ₂ O, MgO and B ₂ O ₃	Tugba Ibroska, A. Seyhun Kipcak, Emek Moroydor Derun, Sabriye Piskin
				Study of the mechanism of reduction of the electrode (alpha and Beta - PbO ₂) material retrieved from the battery waste, using all solid electrolyte. (Preservation of the nature of lead and sulfuric acid).	Pr. R. Fitas
				Boric Acid Waste (Boron-Gypsum) Evaluation at Different Mole Ratios for Magnesium Borate Synthesis	F. Tugce Senberber A. Seyhun Kipcak, Emek M. Derun, Sabriye Piskin
				A New Green Chemical Synthesis Method for Production of Silica Gel as a Sorbent Material	Ruken Esra Demirdogen Şenay Sarica
				Characterization of the Magnesium Borates Hydrothermally Synthesized from Na ₂ B ₄ O ₇ .5H ₂ O, MgCl ₂ and H ₃ BO ₃ at the Boiling Point	Meral Yıldırım, Emek M. Derun, Sabriye Piskin

SATURDAY

Chairman: Prof. Dr. Erdal Çelik Chairman: Prof. Dr. Erol Arcaklıoğlu	8 June 2013 09:00-10:15	Salon 2 Salon 3	Wireless Local Area Network based Indoor Positioning System: A Study on the Orientation Effect to the Wi-Fi Receiving Device	Ooi Chin Seang, Koay Fong Thai
			Location History based Energy Efficient Vertical Handover Scheme	M. Rasih Celenlioglu, H. Ali Mantar
			GMNet: An SDN Based Energy-Aware Routing Model for MPLS Networks	S.Burak Göger, Elif Öztürk Haci Ali Mantar
			Multi Agent System-Based on Case Based Reasoning for Cloud Computing System	Amir Mohamed Talib, N. E. Mohamed Elshaiekh
			The Framework for Information Security Risk Network Management based on Bayesian Belief Decision Support System for Threat on the Campus Network	Aliyu Mohamme, Sulaiman Mohd Nor, Muhammad Nadzir Marsono
	8 June 2013 09:00-10:15	Salon 3	Modified Artificial Bee Colony Algorithm Based ECG Beat Type Classification Method, Comparison with ACO Based Classifier	Selim Dilmac Ali Nizam Mehmet Korurek
			Preparation and characterization of biofilms containing gelatin in presence of two polysaccharides starch/methylcellulose modified by a plasticizer	Zaher.Karima Benmesli.Samia
			Application of the model SUNFLO for sunflower crop (<i>Helianthus annuus L.</i>) in the semi arid region of Chlef Algeria	Abla Bouthiba, P. Debaecke, A. Bouthiba
			Efficiency of grain production of <i>Abies numidica</i> DE LANNOY in the plantation in Algeria	M. Illoul Hachi A. Derridj
			Quality of potato starch bread	F. Nemar, A. Dilmi Bouras, M. Koiche, N-E. Assal

Chairman: Prof. Dr. Nejat Yumusak	8 June 2013	09:00-10:15	Salon 4	Dağıtık Zararlı Yazılım Toplama ve Analiz Modeli Skip List veri yapısında Seviye Optimizasyonu Kansızlık Tanısına İlişkin Bir Veri Madenciliği Uygulaması Açık Kaynak Web Yazılımı Öğretiminde Yeni Bir Yaklaşım Tibbi Karar Destek Sistemlerinin Yöntemsel Olarak Değerlendirilmesi Üzerine Bir Çalışma Taşıma Maliyetinin Belirlenmesine Karar Analizi Yaklaşımı	Bâkır Emre, Hacı Ali Mantar Mustafa Aksu Ali Karcı Şaban Yılmaz Yüksel Yurtay, Yavuz Salman, Mehmet Emin Salman, Fatih Gençali Ismail Oylek Serkan Dereli Yüksel Yurtay, Gülşah Ak, Nihal Zuhal Bacimoğlu Atakan Alkan Ali Utku Serdar Zerrin Aladağ
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10:15 – 10:30

Coffee Break

2.Parallel Session

				Paper Name	Authors
Chairman: Assist. Prof. Dr. Murat Makaracı	8 June 2013	10:30-12:00	Salon 1	Defect detection in wood-plastic composites using shearography	M. Barmouz, A.H.Behrave, F. Reshadı
				Properties of plasticized cellulose acetate/clay nano-biocomposites	Hafida Ferfera-Harrar Nassima Dairi
				Determination of Mechanical Properties of Elastomers	Antonios E. Giannakopoulos Dimitrios Bourntreas
				Numerical study of the inverse heat conduction in composite material	Nassima Ghebrid, Messaoud Guellal, Abdelkrim Kessai
				Isoparametric formulation of strain based rectangular finite element	Lamine Belouar, Rebiai Cherif, Sadok Benmebarek
				Elaboration of cellular lightweight firebricks from Algerian kaolin	Boumchedda Khaled Ghernouti Bahia

<p>Chairman: Assoc. Prof. Dr. Cemil Öz</p>	<p>8 June 2013</p>	<p>10:30-12:00</p>	Salon 2	<p>New electrode materials composite (carbon / polymer-metal) for electrocatalysis.</p> <p>An Experimental Study on Wave Energy</p> <p>Application of Short Time Fourier Transform on Stationary and Non-Stationary Data</p> <p>Analytical Model of Non-Imaging Planar Concentrator for the Application in Dense-Array Concentrator Photovoltaic System</p> <p>An Educational Tool for Analyzing the Photovoltaic Equivalent Circuits</p> <p>Wave Propagation properties in LiNbO₃ using the finite element method</p>	<p>T. Melki; A.Zouaoui; N.Boudissa; J.C. Moutet</p> <p>Ruslan Abdulla, Rashid Abdullayev Gabil Abdulla</p> <p>Gökçen Bombar, Gülden Göktürk</p> <p>Chee-Woon Wong, Kok-Keong Chong Tiong-Keat Yew</p> <p>A. Yavuz, D. Başol, M. M. Ertay, I. Yücedag</p> <p>Ameer Zegadi, Khalissa Bendemagh</p>
<p>Chairman: Assoc. Prof. Dr. Yılmaz Uyaroğlu</p>	<p>8 June 2013</p>	<p>10:30-12:00</p>	Salon 3	<p>Design of Dynamic Neural Network with Kalman Filter for the Identification Nonlinear Systems, Application: prediction of the maximum power of the PV module</p> <p>Probabilistic Analysis of DC Load Flows in Power Systems</p> <p>The Fault Detection Model of Electric Power Systems Using Systematic Stochastic Petri Nets</p> <p>Optimization based Determination of SVC Control Parameters for Power System Transient Stability Improvement</p> <p>Programming the microchip pic 16f84a microcontroller as a signal generator frequencies in railway automation</p> <p>Spectroscopic and optical studies of some semiconductor</p>	<p>Lyes Saad Saoud, Fayçal Rahmoune, Victor Tourtchine Kamel Baddari</p> <p>Rıfkı Terzioğlu, T.Fedai Çavuş</p> <p>Nihat Pamuk, Yılmaz Uyaroğlu</p> <p>Başar Cevher, Talha Enes Gümüş, Selçuk Emiroğlu, Erdinç Şahin</p> <p>Ivan Velev</p> <p>Aïssa Manallah Mohamed Bouafia</p>

Chairman: Assoc. Prof. Dr. Durmuş Karayel	8 June 2013	10:30-12:00	Salon 4	Günlük fiziksel aktivitelerin alt ekstremité üzerindeki biyomekanik etkileri Tersine Mühendislik Yaklaşımı Kullanarak Sac Metalin Şekillendirme Sınır Diyagramının Belirlenmesi Bakır Rafinasyon Curufu Flotasyon Atıklarındaki Bakırın Geri Kazanımı Makine Mühendisliği Eğitiminde Stajın Etkenliğinin Öğrenci ve Firma Kaynaklı Bilgilerle Değerlendirilmesi	Kasım Serbest, Murat Cilli, Osman Erdogan Durmuş Karayel, Osman Erdogan, Sinan S. Özkan, Oğuz Koçar Murat Cakir, Muhammet Kartal, Harun Gul, Ebru Taskin, Mehmet Uysal, A.Osman Aydin, Ahmet Alp

Lunch: 12:00– 13:30

3.Parallel Session

Chairman:	Paper Name	Authors
Prof. Dr. Mehmet Sarıbiyik	GFRP-Beton-Çelik Donatılı Hibrit Kırıcıların Eğilme Davranışlarının İncelenmesi	Ferhat Aydin, Mehmet Sarıbiyik
8 June 2013	Dairesel Betonarme Kolonlarda Çatlamış Kesite Ait Etkin Eğilme Rijitliklerinin İrdelenmesi	Aydin Demir Naci Caglar
13:30-14:45	Betonarme Kesitlerdeki Moment-Eğrilik İlişkisinin Yapay Sınır Ağları ile Belirlenmesi	Naci Caglar Hakan Ozturk Aydin Demir Murat Pala
Salon 1	Betonların güçlendirilmesinde karbon fiber takviyeli polimer yerine cam fiber takviyeli polimer kullanılması	Muzaffer Elmas Ali Sarıbiyik Naci Caglar
	Betonarme Eğilme Elemanlarında Cam Elyaf Takviyeli Plastik Kullanımının Araştırılması	Yunus Ekiz Mehmet Sarıbiyik Ferhat Aydin
	Zemin Özelliklerini Belirlemede Koni Penetrasyon Deneyi	Sedat Sert Ertan Bol Aşkın Özocak

Chairman: Prof. Dr. Ahmet Türk	Chairman: Assoc. Prof. Dr. Ayhan Özdemir	Chairman: Prof. Dr. Ramazan Akdemir	
8 June 2013	8 June 2013	8 June 2013	
13:30-14:45	13:30-14:45	13:30-14:45	
Salon 2	Salon 3	Salon 4	Effect of intraperitoneal administration of ghrelin on some of serum biochemical in geese
			Determination of genetic fidelity of Algerian citrus genotypes regenerated by somatic embryogenesis .
			Superoxide dismutase (SOD) and glutathione peroxidase (GPx) activities in chicken model following in ovo ghrelin administration
			Lactic acid and peroxide hydrogen of a diluted molasses medium by two strains of Lactococcus lactis ssp. immobilized on pouzzolane and bone bovine
Salon 2	Salon 3	Salon 4	Karabük Üniversitesi Yenilebilir Enerji Mühendisliği Araştırma ve Uygulama Merkezi'nde Cep Telefonu Şarji için Güneş Paneli Üretimi
			Fotovoltaik (PV) Güneş Pilinin İki Diyotlu Modellenmesi
			MATLAB Paralel Hesaplama Araç Kutusu ile Shannon Entropi Hesaplanması
			Cevre Biyoteknolojisinde Yeni Teknolojiler
Salon 2	Salon 3	Salon 4	Kamu İnovasyon Uygulaması: Türkiye Örneği
			Survive of Clostridium perfringens in a cheese produced by local lactic acid bacteria isolated from fermented olives
			Molecules responsible for the antimicrobial effect of the essential oil of Cuminum cyminum
			Biodiversity and 16S Ribosomal RNA application in space biotechnology
Salon 2	Salon 3	Salon 4	Habib A. Shahryar, Alireza Lotfi, Saeid C. Azar
			Malika M. Carimi F Boudjeniba M D oghia AM Carra A, Frasher D
			Alireza Lotfi, Habib Aghdam Shahryar
			M. Meziane, Dilmi A. Bouras, H. El Hameur
Salon 2	Salon 3	Salon 4	Mustafa Gökdag, M. Tahir Güneşer, Erzat Erdil
			Şaban Yılmaz, Erdal Kılıç, Hasan Rıza Özçalık, Ahmet Gani
			Sezgin Kaçar, Ziya Ekşi, Akif Akgül, Fahrettin Horasan
			Fatih Karadağlı Beytullah Eren
Salon 2	Salon 3	Salon 4	Gonca Güngör Alper Göksu
			Koïche M, Dilmi Bouras A, Abbou W, Djalti Benziane S
			Bessedik Amina, Allam Rachida
			Morteza Hanifezadeh Reza Rezai Maryam Saadat Jalali Parvin

14:45 – 15:00 Coffee Break

4.Parallel Session

				Paper Name	Authors
Chairman: Prof. Dr. Hatem Akbulut	8 June 2013	15:00-16:15	Salon 1	Chaos Control of the Chaotic Symmetric Gyroscope System	Bariş Cevher, Yılmaz Uyaroğlu, Selçuk Emiroğlu
				Generation of Efficient Solutions in Multiobjective Optimization for Copolymerization Processes	Martín Rivera-Toledo, Georgina Meneses-Castellanos
				Control of chaos in the smooth-air-gap permanent magnet synchronous motor with sliding mode control	Bariş Cevher Mustafa Turan Yılmaz Uyaroğlu
				Modelling and Control System Design for Doubly-Fed Induction Generator Based Wind Turbines	Melikşah Ozaktürk
			Salon 2	Fuzzy Linear Programming Approach for Deciding the Production Amount of Different Fruit Juice Types	Çağatay Teke Özer Uygun Tuğba Yüksel
				Innovation Ecosystem of Nano Water Research in India: Step towards Basic Research to Commercialization	Madhulika Bhati
				Anti-steam Car Glass	Morteza Hanifezadeh Seyed Ali Kianmehr, Seyed Ataallah Afsahi
				Magneto-Electric Behavior of a Dynamic Couple of Paramagnetic / Ferromagnetic Materials	A. Mekroud H. Zaidi
Chairman: Assoc. Prof. Dr. Zafer Taşlı	8 June 2013	15:00-16:15		Soda Lime Glass Erosion	C. Bousbaa T. Mahdaou N. Bouaoudja
				Birefringence Analysis of Directional Fiber Coupler Induced by Fusion and Coupling Parameters	Dedi Irawan, Saktioto, Iwantono, Defrianto, Jalil Ali

SATURDAY

Chairman: Assist. Prof. Dr. Mahnaz Gümrükçioğlu	8 June 2013	15:00-16:15	Salon 3	A study on Electrodeposited of Zinc Oxide Nanostructures Effects of Laser Fluence on Structural Properties of SnO ₂ Thin Films Alpha Lactalbumin Nanotubes and Their Potential Applications in Food Industry The impact of Se-content on the optical properties of CuInSe ₂ by using transmittance and photoacoustic spectroscopies Deposition and characterization of the composite material p-si/polymer-cu for photovoltaic applications	A.Azizi, M. R.Khelladi, L.Mentar, V.Subramaniam S.Maan , S.Nehad, S.Ishraq Filiz Yildiz Yeliz Parlak Fatima Zohra Satour Ameur Zegadi A.Zouaoui, B. Khaniche, I.Chikouch, A. Sahari, A.Zegadi
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Chairman: Prof. Dr. Ahmet Alp	8 June 2013	15:00-16:15	Salon 4	Küresel Grafitli Dökme Demir Dökümünde Ticari Olarak Kullanılan Farklı Küreleştirici ve Aşlayıcıların Döküm Kalitesine Etkisinin İncelenmesi a-Si3N4-ß SiAlON Seramiklerini Kesici Takım Potansiyelinin incelenmesi Yüksek Hızlı Talaslı işlemede Yuzey Kalitesinin lylestirilmesi In-süty reaksiyon ile üretilen al ₂ takviyeli mmk'lerde peritektik dönüşüm sıcakln aratılması	Muhterem YILDIZ Murat ÇOLAK Ramazan KAYIKCI F.Caliskan Z.Tatlı S.Kilic H.Sonmez Mustafa Hamamci Eyup S. Topal F.Caliskan O.Kurtulus A.Demir
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5.Parallel Session

				Paper Name	Authors
Chairman: Assoc. Prof. Dr. Ali Osman Ayhan 8 June 2013	16:30-18:00	Salon 1	A Study on the Synthesis of MCM-41	Nevin Karamahmut Müge S. Yılmaz, Özgül D. Ozdemir Sabriye Piskin	
			A New Polyelectrolyte Mediator for the Attachment of Anionic Rosin Emulsion onto Cellulose Fibres	Arif Karademir, Hülya Varlibas, Duygu Ozlem Dogan Yesim Kazaz	
			Electrochemical Comparison of the Interaction of 5-Nitouracil with Single- or Double-Stranded DNA at mercury and glassy carbon electrodes	Mohamed S. Ibrahim, Hossieny S. M. Ibrahim, Moustafa M. Kamal and Yassin M. Temerk	
			Removal Optimization of Chlorophenols on Newly Synthesized Polymeric Resin using Factorial Design Approach	Saima Q. Memon	
		Salon 2	Some aspects on polymerization in a bubble gas column reactor	Simona Popa, Sorina Boran, Dorin Jurcău	
			Green Analytical Chemistry A Useful Tool to Provide the Necessary Green Energy	Ruken Esra Demirdogen, Azra Jaganjac	
			Prediction of thrust forces and hole diameters using artificial neural networks in drilling of AISI D2 cold work tool steel with cemented carbide tools	Sitki Akincioglu Faruk Mendi, Adem Cicek, Gulşah Akincioglu	
			Critical Hydraulic Head Loss Inducing Sandy Cofferdam Failure by Numerical Approach	Naïma Benmabarek, Sadok Benmabarek, Lamine Belounar	
			Measurement of Residual Thermal Stresses for Preliminary Analysis of Thermo-elastic Behaviour in HA-Ti FGM	Siti Nur Sakinah Jamaludin Faizal Mustapha, Dewan Muhammad Nuruzzaman, Muhammad Yusoff Tuan Ya Tuan, Shahnor Basri	
			Three-Dimensional Fracture Analysis of UIC 60 Rail Failures Using FCPAS	Ali Osman Ayhan	
			Modeling of the Mechanical Response of Cantilever Beams	N.Medjahdi, N.Bennous, K.Ghaffour	
			Dilatation effect on 3D passive earth pressure coefficients for retaining wall	Tarek Khelifa, K.Sadok Benmabare	

SATURDAY

Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 3	eLeCo – E-Learning Solution for Engineering Education to acquire Competences	Andreas Weissmann Frank Lobeck
					Design of Operational Amplifier Simulator	Nedim Aktan Yalcin, Fahri Vatansever
Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 4	Labview Based Virtual Electrical Circuit Laboratory for Electrical Engineering Students	Ahmet Küçüker Burhan Baraklı
					An E-Commerce Platform Development Using AHP in Product Selection	Sona Mardikyan Oğuzhan Kahyaoğlu
Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 3	Integrated Fuzzy Screening in KM Model towards the Organizational Diagnostics	Okfalisa
					The Present and Expected Future Structure and Operation of Traffic in Sakarya: Based on Transportation Master Plan	Hakan Aslan Irfan Pamuk
Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 4	FPGA-Based A Chaotic Oscillator Design and Implementation	Ismail Koyuncu, Ahmet Turan Özcerit, İhsan Pehlivan
					Adaptive traffic light in image processing based-intelligent transportation system: a review	M.Mohammed Hassan Mustafa, Atika Malik, Amir Mohammed Talib
Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 4	Transmission of information by nonsinusoidal functions	Ilka Stefanova
					Target Detection by Combination of Odor Sensors and Artificial Intelligence Technologies	Durmus Karayel Anil Baran Yelken
Chairman: Prof. Dr. Orhan Torkul	Assistant Chairman: Assist. Prof. Dr. Özer Ilygun	8 June 2013	16:30-18:00	Salon 4	Expert System for Innovative Pavement	Mouloud Belachia, Nadjette Bouacha
					Development of Subgrade Parameter Prediction Model Using FE.	Hakan Aslan Muhammet Vefa Akpinar Stefan Romanoschi

19:00	Symposion Dinner (Tunatan Serdivan)
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9 JUNE 2013 Sunday

[Optional]

08:00	Leaving from Sakarya to Istanbul
10:00	Arrival to The Historical Places
10:00 – 13:30	Tour of Historical Places <ul style="list-style-type: none">• The Blue Mosque• Hagia Sophia• Topkapi Palace
14:30 – 15:30	Lunch (<i>buffet</i>) <ul style="list-style-type: none">• at Hidiv Pavilion
16:30 – 18:30	Bosphorus Tour
18:30	Leaving from Istanbul

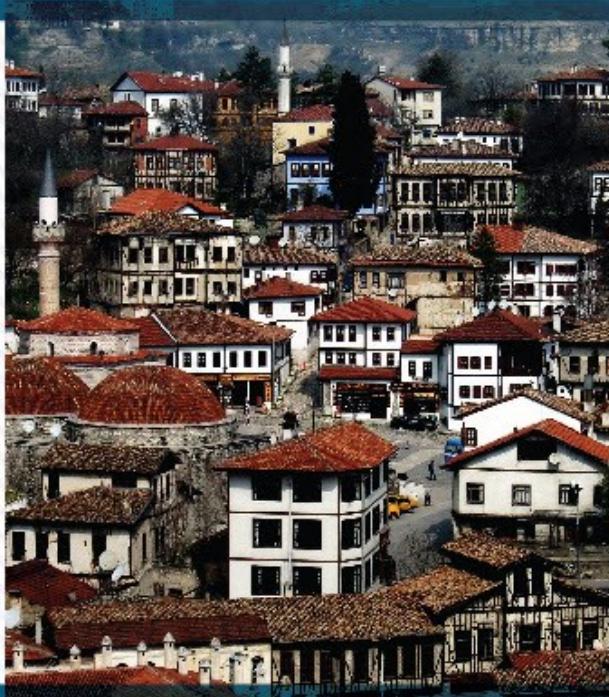
*Transfer to the Sabiha Gokcen Airport on the way of return
*The capacity of the tour is limited

SUNDAY

"call for paper"

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TECHNOLOGIES IN ENGINEERING AND SCIENCE



19-21 JUNE 2014
KARABUK - TURKEY