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CONFERENCE OBJECTIVES

The main objective of this conference is to provide an international scientific forum for engineers, scientists academicians, and researchers to present the result of their recent research activities in the field of applied science, engineering and technology, as well as human and social sciences. The primary focus of the conference is to create an effective medium for institutions and industries to share ideas, innovations and problem solving techniques.

WASET 2011

INTERNATIONAL CONFERENCE PROGRAM

NH Laguna Palace, Venice, Italy, April 27-29, 2011

Scientific Research and Experimental Development

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CONFERENCE PAPERS

A prospective full text paper should be submitted to the conference secretariat at www.waset.org/submit.php
All submitted papers will be blind peer-reviewed and authors of accepted papers will be notified to submit final full length-formatted papers for presentation and publication in the refereed conference proceedings at <http://www.waset.org/journals/waset/>

SPECIAL JOURNAL ISSUES

A number of selected high-impact full text papers will also be considered for the special journal issues.

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- International Journal of Mechanical and Materials Engineering

**WASET 2011
CONFERENCE CALENDAR**

- Dubai, UAE, January 25-27, 2011**
- February, MY, February 22-24, 2011**
- Bangkok, TH, March 29-31, 2011**
- Venice, IT, April 27-29, 2011**
- Paris, FR, June 28-30, 2011**
- Amsterdam, NL, July 13-15, 2011**
- Paris, FR, July 27-29, 2011**
- Marseille, FR, August 24-26, 2011**
- Singapore, SG, September 28-30, 2011**
- Bali, ID, October 26-28, 2011**
- Guangzhou, CN, November 14-15, 2011**
- Venice, IT, November 28-30, 2011**
- Phuket, TH, December 21-23, 2011**
- Bangkok, TH, December 25-26, 2011**

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**WASET 2011 INTERNATIONAL CONFERENCE PROGRAM
VENICE, ITALY APRIL 27-29, 2011**

 <p>WASET www.waset.org</p>	<p>CONFERENCE PROCEEDINGS www.waset.org/journals/waset</p> <hr/> <p>WASET 2011 CONFERENCE VENUE NH Laguna Palace Viale Ancona, 2. 30172 Venezia Mestre. Venice Mestre, Italy Tel: +39 041 8296111, Fax: +39 041 8296112 E-mail: nhlagunapalace@nh-hotels.com www.nh-hotels.com</p>	 <p>WASET www.waset.org</p>
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Time	Paper Title	Authors
	Wednesday: April 27, 2011	
08:30 09:00	Welcome & Registration	Opening Remarks
09:00 10:30	Chair : Ryuya Uda, Rajender Kumar Sharma	HALL-A Session – I (April 27, 2011)
	Influence of thermal annealing on the structural properties of vanadyl phthalocyanine thin films: A comparative study	Fakhra Aziz, K. Sulaiman, M. R. Muhammad, M. Hassan Sayyad, Kh. Karimov Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Pakistan
	Enhancement of Tc by Ar Heat Treatment on Oxygenated Y1-x Cax : 123 Superconductors	A.Sedky and and Bander Abu- Ziad King Faisal University, Saudi Arabia
	Harris Extraction and SIFT Matching for Correlation of two Tablets	Ali Alzaabi UPMC, France
	Bias Stability of a-IGZO TFT and a New Shift-Register Design suitable for a-IGZO TFT	Young Wook Lee Seoul National University, Korea
	Hierarchical Adaptive and Reliable Routing Protocol for Efficient Actor-Actor Coordination in Wireless Sensor and Actor ZigBee Networks	Juan José Vinagre Rey Juan Carlos University, Spain
	The light response characteristics of oxide-based thin film transistors	Soo-Yeon Lee Seoul National University, Korea
	Discrete Vector Control for Induction Motor Drives with the Rotor Time Constant Update	Larabi Abdelkader University of Science and Technology, Algeria
	Protocol and Method for Preventing Attacks from the Web	Ryuya Uda Tokyo University of Technology, Japan
	Experimental response and vibration characteristics of two different slots shaft	A. A. Mohamed, R. Neilson, P. MacConnell, W. Deans Fraser Noble Building Kings College Aberdeen, United Kingdom
	Revealing nonlinear couplings between oscillators from time series	B.P. Bezruchko, D.A. Smirnov Saratov State University, Russia
	Antibacterial and Antioxidant Activity of Grape Seeds Extract on Some Pathogenic Bacteria	Elfahem A., Elmehri.S., Zgheel F., Ahmed MO., Alfahem O., Elfil M., Abuzweda A., Biotechnology Research Center, Tripoli, Libya
	The Effect of Innovation Factors to Customer Loyalty by Structural Equation Model	M. Dachyar University of Indonesia, Indonesia
	Power Aware Hybrid Full Adder Circuit for Fast Computation	Ashish Jasuja, Rajender Kumar Sharma, Nikhil Raj National Institute of Technology Kurukshetra, India
	Inventory Control for a Joint Replenishment Problem with Stochastic Demand	Bassem Roushdy, Nahed Sobhy, Abdelrhim Abdelhamid, Ahmed Mahmoud Arab Academy for Science and Technology, Cairo, Egypt
	Investigation of 5,10,15,20-tetrakis(3',5'-di-tertbutylphenyl) Porphyrinatocopper(ii) for Electronics Applications	Zubair Ahmad, M.H. Sayyad, M. Yaseen, M. Ali Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Pakistan

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	Drainage Prediction for Dam Using Support Vector Regression	S. Wiriyaratnanakun, A. Ruengsiriwatanakun, S. Noimanee Uttaradit Rajabhat University, Thailand
	Branch & bound: An Algorithm for Divisible Load Scheduling with Result Collection on Heterogeneous Systems	Farzad Norouzi Fard Islamic Azad University South Tehran Branch, Iran
	Face Detection in Color Images Using Color Features of Skin	Fattah Alizadeh Islamic Azad University, Mahabad Branch, Iran
	Use of Total L Quality Management In Sales Promotion (Model : Sptqm)	Shahriar Ansari Chaharsoughi, Maliheh Aghaei Jamiaia Hammad University, Iran
	Generalized Noise Analysis of Log Domain Static Translinear Circuits	Ebrahim Farshidi Shahid Chamran university, Iran
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Amal Kumar Sarma, Prapun Suksompong	HALL-A Session – II (April 27, 2011)
	Classification of Initial Stripe Height Patterns using Radial Basis Function Neural Network for Proportional Gain Prediction	Prasit Wonglersak, Prakarnkiat Youngkong, Ittipon Cheowanish Institute of Field robotics (FIBO), Thailand
	Identifying market segments through a mixed methodology	Jaime Raúl Seixas Fonseca Technical University of Lisbon, Portugal
	A Decomposition Method for the Bipartite Separability of Bell Diagonal States	Wei-Chih Su, Kuan-Peng Chen, Ming-Chung Tsai Zheng-Yao Su National Center for High-performance Computing, Taiwan
	Nonlinear evolution of electron density under high-energy-density conditions	Shi Chen, Ziyu Chen, Jiakun Dan, Jianfeng Li China Academy of Engineering Physics, China
	A First Principle Study Of Phase Diagram Of Epitaxial BaSrTiO ₃ Ultrathin Films	Saad Bin-Omran King Saud University, Saudi Arabia
	Very-high-precision normalized eigenfunctions for a class of Schrödinger type equations	Amna Noreen, Kare Olaussen Institute for Fysikk, NTNU, Norway
	Implementation of SU-MIMO and MU-MIMO GTD-System under Imperfect CSI Knowledge	Parit Kanjanavirojkul, Kiatwarakorn Keeratishananond, Prapun Suksompong Sirindhorn International Institute of Technology, Thailand
	Medical Image Segmentation Using Deformable Models and Local Fitting Binary	Bashir Bagheri Nakhjavanlo Kingston University London, UK
	A 2D-3D hybrid vision system for robotic manipulation of randomly oriented objects	Moulay Akhloufi CRVI and Laval University, Canada
	Survival of neutrino mass models in non-thermal leptogenesis	Amal Kumar Sarma Debraj Roy College, India
	Results from the Antares Neutrino Telescope Giorgio Giacomelli	Giorgio Giacomelli University of Bologna and INFN Bologna, Italy
	Dynamic Optimization of Price, Warranty Length and Production Rate that Covers Shortage Penalty and Deterioration Factor	Abdulrahman Al-Essa, Mohammed Al-Yagoub King Fahd University of Petroleum and Minerals, Saudi Arabia
	New multipath node-disjoint Routing based on AODV protocol	Vahid Zangeneh, Shahriar Mohammadi Khajeh Nasir Toosi University of Technology, Iran
	Lunch Break	
	Chair : Gianpiera Spada, Rashmi	HALL-B Session – III (April 27, 2011)
	Preliminary Evaluation of Different Water Qualities on Leucaena leucocephala Seed Germination and seedling growth	Maher Jamal Tadros, Naji Al Mefleh Jordan University of Science and Technology, Jordan
	Double Immobilized Lipase for the Kinetic Resolution of Secondary Alcohols	A. Ursoiu, C. Paul, C. Marcu, M. Ungurean, F. Peter University "Politehnica" of Timisoara, Romania
	Synthesis of Peptide Amides using Sol-Gel Immobilized Alcalase in Batch and Continuous Reaction System	L. N. Corici, A. E. Frissen, D -J. van Zoelen, I. F. Eggen, F. Peter, C. M. Davidescu, C. G. Boeriu Politehnica University of Timisoara, Romania

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	Ionic Liquid Pretreatment and Enzymatic Hydrolysis of Wood Biomass	M. Ungurean, F. Fitigau, C. Paul, A. Ursoiu, F. Peter "Politehnica" University of Timisoara, Romania
	Study of encapsulation of quantum dots in Poly styrene & Poly (ϵ -caprolactone) microreactors synthesized by micro-volcanic eruption of freeze dried microspheres	Deepak Kukkar Central Scientific Instruments Organisation, India
	Protein delivery from polymeric nanoparticles	Gianpiera Spada, Elisabetta Gavini, Paolo Giunchedi University of Sassari, Italy
	Secondary ion mass spectrometry of proteins	Santanu Ray National Physical Laboratory, United Kingdom
	Genomic studies of the polyketide synthase genes in red raspberry	Im-erb Punsod, Angzzas Sari Mohd Kassim, Eve M Lutz, Julie Graham, Alistair Paterson University of Strathclyde, Glasgow, UK
	Interactions between Cells and Nanoscale Surfaces of Oxidized Silicon Substrates	Chung-Yao Yang, Lin-Ya Huang, Tang-Long Shen, J. Andrew Yeh National Tsing Hua University, Taiwan
	In Silico Prediction of 3d Structure of Beta - Amyloid using Homology Modlling	Vibha Pathak, Rashmi Centre for Bioinformatics, India
	Mutational Effect to Particular Interaction Energy of Cycloguanil Drug to Plasmodium Plasmodium falciparum Dihydrofolate Reductase Enzymes	A. Maitarad and P. Maitarad Uttaradit Rajabhat University, Thailand
	Synchronization of 0.1 Hz oscillations in heart rate and blood pressure: Application to treatment of myocardial infarction patients	M.D. Prokhorov, A.R. Kiselev, A.S. Karavaev, O.M. Posnenkova, V.I. Gridnev, V.I. Ponomarenko Saratov Branch of the Institute of Radio Engineering and Electronics of RAS, Russia
	New Ways for Designing External Fixators Applied in Treatment of Open and Unstable Fractures	Karel Frydřšek, Pavel Koštiál, Karla Barabaszová, Jana Kukutschová VSB - Technical University of Ostrava, CZ
	Effect of using the rotifer, Brachionus plicatilis, treated with different nutritional enrichment media on the growth and survival of goldlined seabream, Rhabdosargus sarba (Forskål, 1775) larvae	Fahad S. Ibrahim, Mohammad M. Al Wahaibi, Adel H. Al Balushi, Darweesh G. Albalushi Ministry of Fisheries Wealth, Oman
	Synthesis of Silver Nanoparticles Using Three Different Systems and the Investigation of the Best System for Maximum Production of Silver Nanoparticles	Prenitha Mercy VIT University, India
	Characterization of Microroughness Parameters in Cu & Cu ₂ O Nanoparticles Embedded in Carbon Film	S.Solaymani,T.Ghodselahij,N.B.Nezafat,H.Zahrabi, A.Gelali. Islamic Azad University Science and Research Branch of Tehran, Iran
	Isolation and Cloning of Human Insulin-like Growth Factor I (IGF1) cDNA in Chloroplast Transformation Vectors	S. Nojavan, M. Ahmadabadi, M. Pazhouhandeh Azarbaijan University of Tarbiat Moallem, Iran
	Biomimetic Preparation of nano hydroxyapatite in gelatin-starch matrix	M.Meskinfam, M.S.sadjadi,H.Jazdarreh Department of Chemistry, Islamic Azad University, Iran
	Hydrogen Sensor Based on Surface Activated WO ₃ Films by Pd Nanoclusters	Somayah Fardindoost Sharif University of Technology, Iran
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Kamal Khisore Sharma, Lal Chand Ram	HALL-B Session – IV (April 27, 2011)
	Adsorption studies on the removal of pesticides (Carbofuran) using activated carbon from rice straw agricultural waste	Chang Ken-Lin Institute of Biological Chemistry, Taiwan
	An Appraisal of Coal Fly Ash Soil Amendment Technology (FASAT) of Central Institute of Mining and Fuel Research (CIMFR)	Lal Chand Ram Central Institute of Mining and Fuel Research, India
	A Novel, Cost-effective Design To Harness Ocean Energy In The Developing Countries	Salman Ayub National University of Sciences and Technology, Pakistan
	Rare Earth Elements in Soils of Jharia Coal Field	Lal Chand Ram Central Institute of Mining and Fuel Research, India
	A Novel Approach for Beneficiation and Dewatering of Coal Fines for Indian Coal Preparation Plant	Kamal Kishore Sharma Central Institute of Mining and Fuel Research, India
	Detection and Quantification of Ozone in Screen Printing Facilities	Jelena Kiurski, Savka Adamovic, Ivana Oros, Jelena Krstic, Maja Dogo University of Novi Sad, Faculty of Technical Sciences, Serbia

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	Noise level investigation in printing industry in Novi Sad, Serbia	Grujic, S., Mihailovic, A., Kiurski, J., Adamovic, S., Adamovic, D. University of Novi Sad, Faculty of Technical Sciences, Serbia
	Saturated Gain of Doped Multilayer Quantum Dot Semiconductor Optical Amplifiers	Omar Qasaimeh Jordan University of Science and Technology, Jordan
	Impedance of an encircling coil due to a cylindrical tube with varying properties	Valentina Koliskina Riga Technical University, Latvia
	Multi-Objective Optimization of Gas Turbine Cycle	Mohsen Nikaein Bidboland Gas Refinery (NIGC), Iran
	Synthesis, characterization and PL properties of CdS nanoparticles confined within a functionalized SBA-15 mesoporous	Azam Anaraki Firooz, Ali Reza Mahjoub, Reza Donyaei Ziba Shahid Rajaei Teacher Training University, Iran
	Hydrothermal synthesis of ZnO/SnO ₂ nanoparticles with high photocatalytic activity	Azam Anaraki Firooz, Ali Reza Mahjoub, Abbas Ali Khodadadi Shahid Rajaei Teacher Training University, Iran
	ZnO Nanocomposites: Control of Environmental Effects for Preservation of Old Manuscripts	Maryam Afsharpour, Saleh Imani, Shahrzad Abdolmohammadi University of Tehran, Iran
12:00 13:00	Lunch Break	
	Thursday: April 28, 2011	
09:00 10:30	Chair : Reddy Prasad, Flora Elvistia Firdaus	HALL-A Session – V (April 28, 2011)
	Efficient Preparation and Characterization of Carbohydrate Based Monomers. D-mannose Derivatives	Liliana-Marinela Stefan, Ana-Maria Pana, Mihaela Silion, Mihaela Balan, Geza Bandur, Lucian-Mircea Rusnac "Politehnica" University of Timisoara, Romania
	Effect of medium capacity on the relationship between chemical heterogeneity and linearly adsorbed solute dispersion into fixed beds	Bendjaballah Lalaoui Nadia, K. Kaabeche-Djerafi, S. Semra Department of Industrial Chemistry, Algeria
	Property of Polyurethane: from Soy-derived Phosphate Ester	Flora Elvistia Firdaus Jayabaya University, Indonesia
	Relationship of Reaction Temperature on Phosphate Oligomers Reactivity to Properties of Soy-Polyurethane	Flora Elvistia Firdaus Jayabaya University, Indonesia
	Hydrodynamic Modeling of a Surface Water Treatment Pilot Plant	C.-M. Militaru, A. Pacala, I. Vlaicu, K. Bodor, G.-A. Dumitrel, T. Todinca "Politehnica" University of Timisoara, Romania
	Computational Tool for Techno-Economical Evaluation of Steam/Oxygen Fluidized Bed Biomass Gasification Technologies	Gabriela-Alina Dumitrel, Teodor Todinca, Carmen Holotescu, Cosmina-Mariana Militaru University Politehnica from Timisoara, Romania
	Lipase catalyzed synthesis of aromatic esters of sugar alcohols	R. Croitoru, L. A. M. van den Broek, A. E. Frissen, C. M. Davidescu, F. Peter, C. G. Boeriu "Politehnica" University of Timisoara, Romania
	Kinetic Model And Simulation Analysis For Propane Dehydrogenation In An Industrial Moving Bed Reactor	Chin S. Y., Radzi, S. N. R., Maharon, I. H., Shafawi, M. A. Universiti Malaysia Pahang, Malaysia
	Removal of copper and zinc ions onto biomodified palm shell activated carbon	Gulnaziya Issabayeva University Tunku Abdul Rahman, Malaysia
	Extraction Of Natural Compounds By Ultrasonic-assisted Extraction	Reddy Prasad, Amirah Izam, Maksudur R. Khan, MDH Beg, and Rosli Mohd Yunus Universiti Malaysia Pahang, Malaysia
	Feasibility Study for a Castor oil Extraction Plant in South Africa	Mohamed Belaid, Edison Muzenda, Getrude Mitilene Mansoor Mollagee Mohamed Belaid University of Johannesburg, South Africa
	An Investigation into the Effect of Temperature on the Leaching of Copper-Matte	E Muzenda, IM Ramatsa, F Ntuli, M Belaid, PM Tshwabi, Mohamed Belaid University of Johannesburg, South Africa
	Experimental Study and Modelling of Saturation Molality of NaCl in Quaternary Aqueous Electrolyte Solutions at Various Temperatures	L. Yousefia, R. A. Beiraghi, A. H. Beiraghi Islamic Azad University Islamshahr Branch, Iran
	Equilibrium modeling of carbon dioxide Adsorption On zeolites	Alireza Behvandi, Somayeh Tourani Islamic Azad University Of Mahshahr Branch, Iran
	Prediction of Henry's constant in polymer solutions using the Peng-Robinson equation of state	Somayeh Tourani, Alireza Behvandi Islamic Azad University Of Mahshahr Branch, Iran

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	HDS: Alumina- Boria Supported Catalysts	Matin Parvari Iran University of Science and Technology, Iran
	Problem-based Learning Approach to Human Computer Interaction	Oon-Seng Tan Nanyang Technological University, Singapore
	Embodied Energy, Pay Back Analysis of Centralized and Decentralized Power Plants: A Comparative Study	G. K. Pandey, A. Chandra, S. C. Kaushik Indian Institute of Technology, Delhi, India
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Kei-Lin Kuo, Andrei Kolyshkin	HALL-A Session – VI (April 28, 2011)
	Tool Path Generation and Manufacturing Process for Blades of A Compressor Rotor	Chieh Tung, Pei-Lum Tso National Tsing Hua University, Taiwan
	The Effect of Ion Nitriding and Carbonitriding on Fretting Fatigue of Steels	Linhart Vaclav, Ciper Martin, Cerny Ivo, Ciperova Lucie SVÚM A.S., Czech Republic
	Simulation and analysis of the shift process for an automatic transmission	Kei-Lin Kuo National Taipei University of Technology, Taiwan
	Ionanofluids as Novel Fluids for Advanced Heat Transfer Applications	S. M. Sohel Murshed, C. A. Nieto de Castro, M. J. V. Lourenço, J. M. P. França, A. P. C. Ribeiro, S. I. C. Vieira, C. S. Queirós University of Lisbon, Portugal
	The effect of slow variation of base flow profile on the stability of slightly curved mixing layers	Irina Eglite, Andrei A. Kolyshkin Riga Technical University, Latvia
	Investigation of Fatigue Behaviour and Notch Sensitivity Of Ti-6Al-4V	Shabnam Hosseini, Mohammad Bagher Limooei Azad University, Iran
	Simulation of Fluid Flow and Heat Transfer in Inclined Cavity Using Lattice Boltzmann Method	Arash Karimpour, A. Hossein Nezhad , E. Shirani , A. Safaei Islamic Azad University, Najaf Abad Branch, Iran
	Investigation of Fatigue Behaviour and Notch Sensitivity Of Ti-6Al-4V	Shabnam Hosseini, Mohammad Bagher Limooei Islamic Azad University, Iran
	Modeling and Investigation of elongation in free explosive forming of aluminum alloy plate	Roohbeh Alipour, Farhad Najarian Islamic Azad University, Iran
	Numerical Investigation Of High Attack Angle Flow On 76/45 Double-delta Wing In Incompressible Flow	Mojtaba Rahimi, Hesamodin Ebnodin Hamidi Imam Hossein University, Iran
12:00 13:00	Lunch Break	
09:00 10:30	Chair : Ming Liang, Maisara Mohyeldin Gasim	HALL-B Session – VII (April 28, 2011)
	Oil Debris Signal Detection Based on Integral Transform and Empirical Mode Decomposition	Chuan Li, Ming Liang University of Ottawa, Canada
	Multi-objective Optimization of Vehicle Passive Suspension with a Two-Terminal Mass Using Chebyshev Goal Programming	Chuan Li, Ming Liang University of Ottawa, Canada
	A Decomposition Algorithm for Solving A Class of Bi-Criteria Multistage Transportation Problem With Case Study	Jasem Alrajhi Automotive and Marine Department, College of Technological Studies, PAAET, Kuwait
	A stress analysis of a metallic structure using finite element method	Miritoiu Cosmin, Ilincioiu Dan University of Craiova, Faculty of Mechanics, Romania
	Noise Depressed in a Micro Stepping Motor	Bo-Wun Huang, Jao-Hwa Kuang, J.-G. Tseng, Yan-De Wu Cheng Shiu University, Taiwan
	Experimental Investigation Of The Effect Of Hydrogen Manifold Injection On The Performance Of A Compression Ignition Engine	Haroun Shahad University of Babylon, Iraq
	Numerical Study Of Natural Convection Of CuO And Al ₂ O ₃ -Engine Oil Nanofluids	Tahseen AlHattab University of Babylon, Iraq
	Modeling of Turbulent Separation Flow	Imad Shukri Ali Windi University of Babylon, Iraq
	Optimum Design Of Stiffened Plate Structures Under General 3-D Motion	Ahmed Al-Rajihy University of Babylon, Iraq

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	A computational comparison between Revetec engine and conventional internal combustion engines on the indicated torque	Maisara Mohyeldin Gasim, A. K. Amirruddin, A. Shahrani Universiti Malaysia Pahang, Malaysia
	Multiple Crack Identification Using Frequency Measurement	Jiawei Xiang, Ming Liang University of Ottawa, Canada
	Study on Rupture of Tube Type Crash Energy Absorber using Finite Element Method	Won Mok Choi University of Science and Technology, Republic of Korea
	A study of efficiency and prioritize of Eurasian logistics network	Ji-Young Song University of Science and Technology, Republic of Korea
	Main bearing stiffness investigation	B. Bellakhddhar, A. Dogui, J. L. Ligier Mechanical Engineering Laboratory, National Engineering School of Monastir, University of Monastir, Tunisia
	Elastic Strain-concentration factor of cylindrical bars with circumferential flat-bottom Groove under static tension	Hitham Mahmmod Tiilan The Hashemite University, Jordan
	Design and Analysis of an Automobile Bumper with the Capacity of Energy Release Using GMT Materials	A.R. Mortazavi Moghaddam - M. T. Ahmadian Sharif University of Technology, Iran
	Dynamic Simulation and Control of a Distillation Column Using Effective Relative Gain Array	Mir Esmaeil Masoumi Islamic Azad University - Tehran North Branch, Iran
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Istvan Bikit	HALL-B Session – VIII (April 28, 2011)
	Radioactivity of the Agricultural Soil in Northern Province of Serbia, Vojvodina	I. Bikit, S. Forkapic, J. Nikolov, N. Todorovic, D. Mrdja University of Novi Sad, Serbia
	Workplace Monitoring During Interventional Cardiology Procedures	N. Todorovic, I. Bikit, J. Nikolov, S. Forkapic, D. Mrdja, S. Todorovic; University of Novi Sad, Serbia
	Tritium Determination in Danube River Water in Serbia by Liquid Scintillation Counter	S. Forkapic, J. Nikolov, N. Todorovic, D. Mrdja, I. Bikit University of Novi Sad, Faculty of Science, Serbia
	Radon in Drinking Water in Novi Sad	J.Nikolov, N.Todorovic, S.Forkapic, I.Bikit, D.Mrdja University of Novi Sad, Faculty of Science, Serbia
	TL Dosimetric Properties of Oxyfluoroborate Glasses Irradiated at Low g-Doses	N. E. Khaled, A. R. El-Sersy, A. Hussein, H. M. El-Samman, A. El-Adawy, H. Donya; Menoufia University, Egypt
	Radiation Dose Distribution for Workers in South Korean Nuclear Power Plants	Lee Byoung-il, Kim So-i, Suh Dong-Hee, Kim Jeong-in, Lim Young-Khi; Hanyang University, Korea
	Investigation on Fluid Flow Characteristics of the Orifice in Nuclear Power Plant	Nam-Seok Kim Korea Institute of Nuclear Safety, Republic of Korea
	Steady-State Analyses of Fluid Flow Characteristics for AFWS in PWR using Simplified CFD Methods	Sang-Kyu Lee Korea Institute of Nuclear Safety, Republic of Korea
	Turbulent Mixing and its Effects on Thermal Fatigue in Nuclear Reactors	E Curran Eggertson Paul Scherrer Institut, Switzerland
	Using Computer Aided Detection for Getting Better Sensitivity and Specificity on mammography	Changizi V, Zareh S, Karbasian M, Farzad AR Tehran University of Medical Sciences, Iran
	Assessment of Gamma Dose Rate In City of Kermanshah	MB Tavakoli, E Kodamoradi, Shahi Z. Isfahan University of Medical Sciences, Iran
	Evaluation of the amount of radioactive elements emitting γ -ray in different types of wheat in Isfahan city	MB Tavakoli, I. Amiri Isfahan University of Medical Sciences, Iran
12:00 13:00	Lunch Break	
	Friday: April 29, 2011	
09:00 10:30	Chair : Uranija Kozmidis-Luburić, Rita Kumar	HALL-A Session – IX (April 29, 2011)
	Methodologies and Practices	Claudia Lilian Garcia Ente unico Regulador de los Servicios Publicos de la Ciudad de Buenos Aires, Argentina

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	Mathematical Modelling of Transport Phenomena in Radioactive Waste-Cement-Bentonite Matrix	Ilija Plećaš, Uranija Kozmidis-Luburić, Radojica Pešić Uranija Kozmidis University of Novi Sad, Serbia
	Neutralization of Alkaline Waste-Waters Using a Blend of Microorganisms	Rita Kumar Institute of Genomics and Integrative Biology, India
	Dynamic Threshold Adjustment Approach for Neural networks	Waleed A. Mohamad Ali Rasheed Isra University, Jordan
	NGN and WiMAX: Putting the Pieces Together	Mohamed K. Watfa, Khaled Abdel Naby & Chetan Govind Bhatia University of Wollongong in Dubai (UOWD), UAE
	Detection of Oxidative Stress Induced by Mobile Phone Radiation In Tissues of Mice Using 8-Oxo-7, 8-Dihydro-2'-Deoxyguanosine as A Biomarker	Ahmad M. Khalil, Ahmad M. Alshamali, Marwan H. Gagaa Yarmouk University, Jordan
	Waste Products and Building Materials Management in Natural Disasters	Mohammadreza Arbabi Nia, Alireza Arbabinia, Azar Arbabi Sabzevari Islamic Azad University, Iran
	The Evaluation and Application of FMEA in Sepahan Oil Co	Hekmatpanah, M. , Fadavinia A. Islamic Azad university, Iran
	Reduce of fermentation time in composting process by using a special microbial consortium	S.H. Mirdamadian, S.M. Khayam-Nekoui, H. Ghanavati Islamic Azad University-Falavarjan Branch, Iran
	Microbiological Contamination of Outdoor Air in Marine Durres's Harbour, Albania	Laura Gjyli, Pirro Prifti, Lindita Mukli, Silvana Gjyli, Irida Ikonomi, Jerina Kolitari University "Aleksander Moisiu", Durres, Albania
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Bin Su	HALL-A Session – X (April 29, 2011)
	Chelate Enhanced Modified Fenton Treatment for Polycyclic Aromatic Hydrocarbons Contaminated Soils	Venny, S. Gan, H.K. Ng The University of Nottingham Malaysia Campus, Malaysia
	A Study of the Built Environment Design Elements Embedded into the Multiple Criteria Strategic Planning Model for an Urban Renewal Area	Wann-Ming Wey National Taipei University, Taiwan
	Impacts of the courtyard with glazed roof on house winter thermal conditions	Bin Su Unitec Institute of Technology, New Zealand
	On Unburned Carbon in Coal Ash from Various Combustion Units	L. Bartonová, D. Juchelková, Z. Klika, B. Cech VŠB-Technical University of Ostrava, Czech Republic
	Horizontal Roughing Filter for Pre-Treatment of Wastewater Using Charcoal as a Filter Media	Onyeka Nkwonta, S. Mngadi, E. Sibiba Mangosuthu University of Technology Durban, South Africa
	Study of the effect of the dunes mechanical fixing on the properties of the ground and the vegetation evolution in the area of Oumache – Biskra - (Algeria)	Benmessaoud Hassen University of Batna, Algérie
	Replacement of power transformers basis on diagnostic results and load forecasting	Olegs Borsceviskis, Gerards Gavrilovs Riga Technical University, Latvia
	Necessity of Risk Management of Various Industry-Associated Pollutants (Case Study of Gavkhoni Wetland Ecosystem)	Hekmatpanah, M. Islamic Azad university, Ardestan Branch, Iran
	Use of zeolite and surfactant modified zeolite as ion exchangers to control nitrate leaching	R. Malekian, J. Abedi-Koupai, S. S. Eslamian Isfahan University of Technology, Iran
	Study of aluminum, copper and molybdenum pollution in groundwater sources surrounding (Miduk) Shahr-e Babak Copper Complex tailings dam	Maryam Kargar, Nematollah Khorasani, Mahmoud Karami, Gholam Reza Rafiee, Reza Naseh; University of Tehran, Iran
12:00 13:00	Lunch Break	
09:00 10:30	Chair : Xiaoshu Lu, Shahryar Shaghghi Gandovani	HALL-B Session – XI (April 29, 2011)
	Decision Support Model For Building Renovation Strategies	Hang Yin, Karsten Menzel University College Cork, Ireland
	Fenestration Effects on Cross Ventilation for a Typical Taiwanese School Building When Applying Wind Profile	Wei-Hwa Chiang, Hao-Hsiang Hsu, Jian-Sheng Huang National Taiwan University of Science and Technology, Taiwan

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	Rational Structure of Cable Truss	Vadims Goremikins, Dmitrijs Serdjuks, Karlis Rocens Riga Technical University, Latvia
	Preliminary Analysis of Energy Efficiency in Data Center: Case Study	Xiaoshu Lu, Tao Lu, Matias Remes, Martti Viljanen Aalto University, Finland
	The Investigation of Green Roof and White Roof Cooling Potential on Single Storey Residential Building in the Malaysian Climate	Asmat Ismail, Muna Hanim Abdul Samad, Abdul Malek Abdul Rahman Universiti Teknologi Mara, Malaysia
	Rational structure of panel with curved plywood ribs	Janis Šliseris, Karlis Rocens Riga Technical University, Latvia
	The Building Thermal Performance and Carbon Sequestration evaluation for Psophocarpus tetragonobulus on Biofaçade Wall in the Tropical Environment	Abdul Malek Abdul Rahman, Foonf Swee Yeok, Atikah Fukaihah Amir Universiti Sains Malaysia, Malaysia
	Evaluation of thermal comfort and cooling efficiency for active chilled beam systems in a classroom	Chia-Ying Wang National Taiwan University of Science and Technology, Taiwan
	Analytical Model for Predicting Whole Building Heat Transfer	Xiaoshu Lu, Martti Viljanen Aalto University, Finland
	Laboratory Study on Strength of Reinforced	Amin Chegenizadeh, Hamid Nikraz Curtin University, Australia
	Direct Shear Test on Reinforced Clay	Amin Chegenizadeh, Hamid Nikraz Curtin University, Australia
	Analysis of Climatic Strategies in Designing The Residential Buildings in Cold Dry Climate of Tabriz Mertopolis to Reduce Air Pollution in Urban Environment	Shahryar Shaghghi G., Paria V. Shakiba, Gholamreza Irani Islamic Azad University, Iran
	A New Time Dependent, High Temperature Analytical Model for the Single-electron Box in Digital Applications	Mohammad Javad Sharifi Shahid Beheshti University, Iran
	Potential of Solar Energy in Zarqa Region	Ali M. Jawarneh, Ahmad S. Al-Shyyab The Hashemite University, Jordan
10:30 10:45	Coffee Break	
10:45 12:00	Chair : Usama Bhgate Elgazzar	HALL-B Session – XII (April 29, 2011)
	Biodiesel Fuel Production by Methanolysis of Fish Oil Derived from the Discarded Parts of Fish Catalyzed by Carica papaya Lipase	Porn Tippa Pinyaphong Uttaradit Rajabhat University, Thailand
	Phylogenetic Composition of the Microbial Communities in a Pilot-scale Membrane Bioreactor Plant	Young Haeng Lee Korea Institute of Science and Technology, South Korea
	Kinetics and equilibrium studies for the removal of anionic contaminants from wastewater by ion exchange resins	Young Haeng Lee Korea Institute of Science and Technology, South Korea
	Stress and Cortisol metabolites in dromedary camel	Usama B. Elgazzar, Mohamed N. Ismail, Ahmed Y. Nassar, Obeid M. Ahmed; Damanhour University (Al-Bostan), Egypt
	The Effect of Pleurotus sajor-caju (PSC) Addition on the Nutritional Composition and Sensory Properties of Poultry-Based Patty	Wan Rosli Ishak Universiti Sains Malaysia, Malaysia
	Epidemiological and Clinico-Biochemical Studies on Dermatophytosis in Calves at Elbehera Province-Egypt	Usama B. Elgazzar, Mohamed A. Kamel, Noha A. Beder Damanhour University (Al-Bostan), Egypt
	Effect of Drought Stress on Germination, Water Relation, Nutrient Uptake and Yield of Wheat	Fahim Nawaz, Rashid Ahmad, Ejaz Ahmad Waraich University of Agriculture, Faisalabad, Pakistan
	The Comparative Analysis of Two Typical Fluidic Thrust Vectoring Exhaust Nozzles on Aerodynamic Characteristics	Xinhua Zou Qiang Wang Beijing University of Aeronautics and Astronautics, China
	The Satellite Collision Avoidance Strategy for THEOS Satellite	Ammarin Pimnoo Geo-Informatics and Space Technology Development Agency, Thailand
	Study of Peptide Fragment of Alpha-Fetoprotein As a Radionuclide Vehicle	Alesya Maruk, O.E. Klementyeva, E.I. Lesik, A.A. Larenkov, A.B. Bruskin Burnasian Federal Medical Biophysical Center of FMBA Russia, Russian Federation
	The effect of Structural element on the development of water resources of Karst springs in (Dehdasht, southwest	Kh. Shafiei Motlaq, A.Saleman, S.Zahermand, Khodarahm Shafiei Motlagh

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	Iran)	Islamic Azad University Dehdasht Branch, Iran
	Horn Detection System for Deaf Drivers	Sasan Mohammadi Islamic Azad University, Iran
	Till-system management (TSM) for achieve to the sustainable agriculture in field of soybean (Glycine max L.) at Iran	Behzad Sani Islamic Azad University, Iran
	Fungal leaching of hazardous heavy metals from a spent hydrotreating catalyst using Aspergillus niger and Penicillium Simplicissimum	R. Mafi Gholami, S. M. Borghei, S. M. Mousavi Islamic Azad University, Ahvaz Branch, Iran
12:00 13:00	Lunch Break	
10:00 12:00	HALL A-B XIII (April 27-28-29, 2011)	
	E-SESSION	
	Collaborative Mobile Device Based Data Collection and Dissemination Using MIH for Effective Emergency Management	Aiswaria Ramachandran, Balaji Hariharan AMRITA Vishwa Vidyapeetham, Amrita University, India
	New Mechanism of Testing with Compressed Sensing to Wireless sensor Networks	Mohammadreza Balouchestani, Kaamran Raahemifar, Sridhar Krishnan; Ryerson University, Canada
	Design And Implementation a New Energy Efficient Clustering Algorithm Using Genetic Algorithm for Wireless Sensor Networks	Moslem Afrashteh Mehr Islamic Azad University, Iran
	Voltage Sag Detection Techniques Used in Power Systems	Suresh Kamble, Chandrashekhar S. Thorat Dr. Babasaheb Ambedkar Marathwada University, India
	Balancing of Quad tree Using Point Pattern Analysis	Amitava Chakraborty, Sudip Kumar De, Ranjan Dasgupta Asansol Engineering College, India
	A New Approach In Protein Folding Studies Revealed The Potential Site For Nucleation Center	Nurul Bahiyah Universiti Teknologi Malaysia, Malaysia
	Knowledge Management and e-Learning - An Agent-Based Approach	Teodora Bakardjieva, Galya Gercheva Varna Free University, Bulgaria
	An MCDM Approach to Selection Scheduling Rule in Robotic Flexible Assembly Cells	Khalid Abd,Kazem Abhary, Romeo Marian University of South Australia, Australia
	Bioceramic Scaffolds Fabrication by Rapid Prototyping Technology	F.H. Liu, S.H. Chen, R.T. Lee, W.S. Lin, Y.S. Liao Lunghwa University of Science and Technology, Taiwan
	Optimization of control parameters for MRR in injection flushing type of EDM on stainless steel 304 workpiece	M. S. Reza Universiti Malaysia Pahang (UMP), Malaysia
	An Investigation on the Effects of Injection Spray Cone and Pressure on propulsive Droplets Sizing in a Duct	Mohammad Mojtabedpoor Imam Hossein University, Iran
	An Energy Efficient SMAC Protocol With Improved Latency Performance Using IEEE 802.11	Furrukh Mehmood , Ataul Aziz Ikram, Jameel Ahmed Iqra University, Pakistan
	Evolution of Quality Function Deployment (QFD) via fuzzy concepts and neural networks.	Mohsen Haghghi , Mahdi Zowghi , Behnaz Zohouri Khatam University, Iran
	Seismic Behavior Evaluation of Semi-Rigid Steel Frames with Knee Bracing by Modal Pushover Analysis (MPA)	Farzan Namvari and Panam Zarfam Islamic Azad University, Iran
	Extraction optimization of a hydrocolloid extract from cress seed (Lepidium sativum) using response surface methodology	Hojjat Karazhiyan Islamic Azad University, Iran
	Experimental Study of Extraction of Copper(II) from Sulfuric Acid by means of Sodium diethyldithiocarbamate (SDDT)	Touati, Meniai Université Mentouri Constantine Route Ain el Bey Constantine, Algeria
	Neural-Based Segmentation Technique for Arabic Handwriting Recognition	Husam Al Hamad Qassim University, Saudi Arabia
	Over-Segmentation of Handwriting Arabic Scripts using an Efficient Heuristic Technique	Husam Al Hamad Qassim University, Saudi Arabia

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The Influence of Urea, Boric Acid and Zinc Sulphate on Nutrient Elements in Olive (<i>Olea Europaea</i> L. Cv. Shengeh) Leaf	Pegah Sayyad-Amin, AliReza Shahsavari Department of Horticulture Science, College of Agriculture, Shiraz University, Iran
Design a biodegradable hydrogel for drug delivery system	Mohammad Sadeghi, Behrouze Heidari, Koroush Montazeri Azad University of Arak, Iran
pH-responsiveness Properties of a Biodegradable hydrogels Based on carrageenan-g-poly(NaAA-co-NIPAM)	Mohammad Sadeghi, Behrouze Heidari, Koroush Montazeri Azad University Of Arak, Iran
Microalgal Lipid Production by Microalgae <i>Chlorella</i> sp. KKU-S2 , Microbial Oil Production by Isolated Oleaginous Yeast <i>Torulaspota globosa</i> YU5/2	Ratanaporn Leasing Khon Kaen University, Thailand
Preparation of Nanosized Iron Oxide and their photocatalytic properties for Congo Red	Akram Hosseinian, Hourieh Rezaei, Ali Reza Mahjoub University of Tehran, Iran
Prospects in Waste Oil Shale Ash Sustainable Valorization	Olga Velts, Mai Uibu, Juha Kallas, Rein Kuusik Tallinn University of Technology, Estonia
Biosorption of heavy metals contaminating the Wonderfonteinspruit Catchment Area using <i>Desmodium</i> sp.	P.P. Diale, E. Muzenda, T. Matambo, D. Glasser, D. Hilderbrandt, J. Zimba University of Johannesburg, South Africa
Yield, yield components, soil minerals and aroma of KDML 105 rice in Tungkularonghai, Roi-ET, Thailand	Kanlaya Kong-ngern Khon Kaen university, Thailand
Groundwater Artificial Recharge With Treated Wastewater In A Coastal Plain, Attica, Greece	I.Koumantakis, E.Chryssikou, M.Lemonis National Technical University of Athens, Greece
Assessing and Visualizing the Stability of Feature Selectors: A Case Study with Spectral Data	Roberto Guzmán-Martínez, Oscar Garcia-Olalla, Rocio Alaiz-Rodriguez University of Leon, Spain
Microwave Assisted Fast Synthesis of Flower	N. F .Hamedani, A.R. Mahjoub, A. A. khodadadi, Y. Mortazaviand F.Farzaneh Tarbiat modares University, Iran
Preparation of Nanosized MgO and its Application for Removal of pollutant from Wastewater	Ali Reza Mahjoub, Masoumeh Chamack, Akram Hosseinian University of Tehran, Iran
Fabrication and Characterization of Mesostructured Highly Crystalline Titania Film and Study of its Thermal Stability	Alireza Mahjoub, Simin Janitabar Darzi Tarbiat Modares University, Iran
Sol-Gel Periparation of ZnO/Zn ₂ tio ₄ Nanocomposite for Photocatalytic Degradation of Crystalviolet	S. Janitabar-Darzi, A. R. Mahjoub, A. Ghaemi Nuclear Science and Technology Research Institute, Iran
Microwave Process to Synthesis of Tio ₂ Nanoparticles and Investigation of their Optical and Photocatalytic Properties	S. Dargahi-Maleki , S. Janitabar Darzi Iran University of Science and Technology, Iran
Experimental and Numerical Study of the Shock-Accelerated Elliptic Heavy Gas Cylinders	Jing S. Bai, Li Y. Zou, Tao Wang, Kun Liu, Wen B. Huang, Jin H. Liu, Ping Li, Duo W. Tan, Cang L. Liu China Academy of Engineering Physics, China
Technical Equipment 1- Laptop Computer 2- LCD Data Projector 3- USB Flash Drive - Memory 4- CD/DVD-ROM Drive	5- PowerPoint Presentation Remote with Laser Pointer 6- PowerPoint Presentation/ Acrobat Reader Software 7- Each Technical Presentation is 20 Minutes including Discussions