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INTERNATIONAL CONFERENCE OBJECTIVES

The conference is an interdisciplinary organization; the papers in each session are drawn from a number of disciplines. The main objective of this conference is to create an effective medium for academia and industries to present and share ideas, innovations and problem solving techniques, the results of their recent research activities in the field of applied science, engineering and technology, as well as human and social sciences.

WASET 2011 PHUKET, THAILAND INTERNATIONAL CONFERENCE PROGRAM

December 21-23, 2011 Patong Beach Hotel 124 Taweewongse Rd., Patong Beach, Phuket
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International Scientific Research and Experimental Development

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Istanbul, TR; May 19-20, 2012

Tokyo, JP; May 29-31, 2012

Paris, FR; June 27-29, 2012

Copenhagen, DK; June 11-13, 2012

Time	Paper Title	Authors
	Wednesday	December 21, 2011
08:30 09:00	Welcome & Registration	Opening Remarks
09:00 11:00	Chair : Sohensinh N. Gaderia	HALL-A Session – I (December 21, 2011)
	Development of A Portable Welding Robot with EtherCAT Interface	Juyi Park, Sang-Bum Lee, Jin-Wook Kim, Ji-Yoon Kim, Jung-Min Kim, Hee-Hwan Park, Jae-Won Seo, Gye-Hyung Kang, Soo-Ho Kim Daewoo Shipbuilding and Marine Engineering Co. Ltd., South Korea
	Effect of Thermal and Mechanical Stresses on ABS Deformation	Saiyaneesh Chesho, Nitin Afzulpurkar, Brent Bargmann, Wiroj Limtrakarn Asian Institute of Technology, Thailand
	Comprehensive Studies on Mechanical Stress Analysis of Functionally Graded Plates	Kyung-Su Na, Ji-Hwan Kim Seoul National University, South Korea
	An Adequate Choice of Initial Sample Size for Selection Approach	Mohammad H. Almomani, Rosmanjawati Abdul Rahman Universiti Sains Malaysia, Malaysia
	Performance Evaluation in Bank branch with Two Stage DEA Model	Morteza Shafiee, Mehdi Ghaderi, H. Hosseinpoura Shiraz Branch, Islamic Azad University, Iran
	Facebook Commerce and Facebook Lessons for E-Business Startups	Linda Lai Macao Polytechnic Institute, Macao SAR, China
	Factors Having Impact on Marketing and Improvement Measures in the Real Estate Sector of Turkey	Ali Ihtiyar, Serdar Durdyev Universiti Teknologi Malaysia, Malaysia
	The Supply Chain Management Practices and its impact on Supply Chain Responsiveness and Competitive Advantage	Inda Sukati Universiti Teknologi Malaysia, Malaysia
	A Post Keynesian Environmental Macroeconomic Model for Agricultural Water Sustainability under Climate Change in the Murray-Darling Basin, Australia	Ke Zhao, Colin Richardson, Jerry Courvisanos, John Crawford The University of Sydney, Australia
	Consumer Insolvency in the Czech Republic	Jindriska Sedova Masaryk University, Czech Republic
	Does Labour Supply Respond To Globalization? Malaysian Evidence From Micro Data	Poo Bee Tin, Rahmah Ismail, Norasmah Othman University Kebangsaan Malaysia, Malaysia
	An Agent Based Simulation for Network Formation with Heterogeneous Agents	Hisashi Kojima, Masatora Daito Okayama Shoka University, Japan
	Contribution of Education Towards Economic Growth: Case Study of Malaysia and Indonesia	Doris Padmini Selvaratnam, Putri Syathi, Geetha Subramaniam Universiti Kebangsaan Malaysia, Malaysia
	Planning of Road Infrastructure Financing using System Approach	Jan Ornst, Jan Voracek, Diana Allouache University of Economics in Prague, Czech Republic
	Computational Modeling in Strategic Marketing	Petr Cernohorsky, Jan Voracek University of Economics in Prague, Czech Republic
	Developing of Intelligent Schools with a New Model of Strategic Management System	Ahmad Ghayoumi, Mehdi Ghayoumi Taras Shevchenko National University of Kyiv, Iran
	Intelligent Control Systems for Industrial Automation of Existing Plants - A Cost Saving Approach	Sohensinh N. Gaderia, Manhar K. Bhatt, Bharat M. Sutaria S.V.National Institute of Technology, Surat, India
11:00 11:15	Coffee Break	
11:15 13:00	Chair : P.M. Pandey, Muneer Abbad	HALL-A Session – II (December 21, 2011)
	Development of a RAM simulation model for Acid Gas Removal System	Ainul Akmar Mokhtar, Masdi Muhammad, Hilmi Hussin, Mohd Amin Abdul Majid Universiti Teknologi Petronas, Malaysia
	On the Dynamic Model of Service Innovation in Manufacturing Industry	Yongyoon Suh, Chulhyun Kim, Moon-Soo Kim Seoul National University, Seoul
	Identifying Relationships between Technology-based Services and ICTs: A Patent Analysis Approach	Chulhyun Kim, Seungkyum Kim, Moon-Soo Kim Seoul National University, South Korea
	Numerical analysis for the performance of a thermoelectric generator according to engine exhaust gas thermal conditions	Jinkyu Park, Yungjin Kim, Byungdeok In, Sangki Park, Kihyung Lee Hanyang University, Republic of Korea
	Underpricing and Aftermarket Liquidity of IPOs: Evidence from an Emerging Market	Ros Zamzam Sopian, Ruzita Abdul Rahman, Othman Yong National University of Malaysia, Malaysia

	Public Transport: Punctuality Index for Bus Operation	Noorfakhriah Yaakub, Madzlan Napiah Universiti Teknologi Petronas, Malaysia
	Improvement of crash absorber beams through embedded sinusoidal surface patterns: FEM testing and trigger design	Omer Masood Qureshi University of Modena and Reggio Emilia, Italy
	Influential Variables on the Extent of Customers' Demand for Online Banking Services	Muneer Abbad, Mustafa Abbad AMA International University, Bahrain
	E-commerce in Jordan	Muneer Abbad, Rami Abbad, Malik Saleh Prince Mohammad bin Fahd University, Saudi Arabia
	Modelling of Magnetic Field and Magnetic Pressure in Magnetic Abrasive Finishing Process	Vivek Mishra, Harsha Goel, Pulak M. Pandey Indian Institute of Technology Delhi, India
	Study of the Cryogenically Cooled Electrode Shape in Electric Discharge Machining Process	Vineet Srivastava, Pulak M. Pandey Indian Institute of Technology Delhi, India
13:00 14:00	Lunch Break	
	Wednesday December 21, 2011	
09:00 11:00	Chair : Ali Hellany	HALL-B Session - III (December 21, 2011)
	Probabilistic Modelling of Reinforced Concrete Bridge Deterioration in Marine Environments	Paraic Ryan Trinity College Dublin, Ireland
	The Fundamental Reliance of Iterative Learning Control on Stability Robustness	Richard W. Longman Columbia University, USA
	Estimation of Markovian Bridge Transition Probabilities for Structures Subject to Chloride-Induced Corrosion	Tara Reale Trinity College Dublin, Ireland
	A Stringent Approach for the Designing of Proportional, Integral and Derivative (PID) Controller	Usman Ahmad, Qaiser Ijaz The Islamia University of Bahawalpur, Pakistan
	Motion Control of TUAV having Eight Rotors for Enhanced Situational Awareness	Igor Astrov, Andrus Pedai Tallinn University of Technology, Estonia
	PD Compensator for Lapping Process of Hard Disk Drive Heads	Prasit Wonglersak, Prakarnkiat Youngkong, Ittipon Cheowanish King Mongkut 's University of Technology Thonburi, Thailand
	Quantum Dot Cellular Automata Based Effective Design of Combinational and Sequential Logical Structures	Hema Sandhya Jagarlamudi, Mousumi Saha, Pavan Kumar Jagarlamudi National Institute of Technology Durgapur, West Bengal, India
	A Way of Converting Color Images to Gray Scale Ones for the Color blinds	Katsuhiko Narikiyo, Kazunori Yamaoka Hiroshima National College of Maritime Technology, Japan
	Analysis and Circuit Modeling of APDs	Alireza Ahadpour Shal, Abbas Ghadimi, Arash Azadbar Islamic Azad University of Lahijan Branch, Iran
	Wormhole detection in Geographic Routing Protocols	Mehdi Sookhak, Mahboobeh Haghparast, Ismail Fauzi Universiti Teknologi Malaysia, Malaysia
	A Horizontally Vibrating Linear Actuator for Slimming of Smart Phone	Jae-Hee, Jin Ho Kim Yeungnam University, South Korea
	Analysis of Current mirror in 32nm MOSFET and CNTFET Technologies	Mohini Polimetla, Rajat Mahapatra National Institute of Technology, Durgapur, India
	GPS TEC Variation Affected by the Interhemispheric Conjugate Auroral Activity on 21 September 2009	Wayan Suparta, Mohd. Alauddin Mohd. Ali, Mandeep Singh Jit Singh, Baharudin Yatim, Tetsuo Motoba, Natsuo Sato, Akira Kadokura, Gunnlaugur Bjornsson Universiti Kebangsaan Malaysia, Malaysia
	Surface Chemical Reaction/Modification of ZnO Nanowires	M. Seol, M. Lee, K. Yong Pohang University of Science and Technology, Republic of Korea
	Internal Behavior of Biological Nutrient Removal System for Advanced Wastewater Treatment	Jae Kyung, Choi Konkuk university, South Korea
	Fusion Features and Decisions in Diagnosis of Pigmented Skin Lesions	Hamed Aghapanah, Hassan Ghassemian, Alireza Ahadpour Shal Islamic Azad University of Lahijan Branch, Iran
	Safety Compliance of Substation Earthing Design	A. Hellany, M.Nagriah, M. Nassereddine, J. Rizk University of Western Sydney, Australia
	Soil Resistivity Structure and its implication on the Earth Grid of HV substation	A. Hellany, M.Nagriah, M. Nassereddine, J. Rizk University of Western Sydney, Australia

11:00 11:15	Coffee Break	
11:15 13:00	Chair : Milos Seda	HALL-B Session – IV (December 21, 2011)
	Classification of Causes and Effects of Uploading and Downloading of Pirated Film Products	Pavel Janak Univeristy of Economics, Prague, Faculty of Management, Czech Republic
	Photograph Based Pair-matching Recognition of Human Faces	Min Yao, Kota Aoki, Hiroshi Nagahashi Tokyo Institute of Technology, Japan
	Experimental teaching, Perceived Usefulness, Ease of Use, Learning Interest and Science Achievement of Taiwan 8th Graders in TIMSS 2007 Database	Pei Wen Liao, Tsung Hau Jen National Taiwan Normal University, Taiwan
	Methodological approach to the classification of dermoscopy image by using adaptive power spectral density	Hamed Aghapanah Rudsari, Hassan Ghassemian, Alireza Ahadpour Shal Islamic Azad University of Lahijan Branch, Iran
	Proposed IS: Online Teachers' Support For Enhanced Personalized Quality Feedback	Shireen Panchoo University of Technology, Mauritius
	The fusion multi-spectral and panchromatic images using wavelet fusion methods: principal component analysis, IHS, a high-pass filter Gram-Schmidt	Morteza Choubin, Hassan Ghassemian, Hamed Aghapanah, Alireza Ahadpourshal Islamic Azad University of Lahijan Branch, Iran
	An Improved Data Mining Method Applied to the Search of Relationship between Metabolic Syndrome and Lifestyles	Yi Chao Huang, Yu Ling Liao, Chiu Shuang Lin National Pingtung University of Science and Technology, Taiwan
	The Estimation Method for the Starting Point of Moving Objects Using the Sub Trajectory Similarity	Weon Yeol Jeong Seoul National University, South Korea
	The impact of organizational culture on the implementation of TQM : Imperial study in the Iranian Oil Company	Yadollah Karimi, Sharifah Latifah University of Malaya, Malaysia
	Mining and Visual Management of XML-Based Image Collections	Khalil Shihab, Nida Al-Chalabi University of the South Pacific, Fiji
	Fuzzy Processing of Uncertain Data	Petr Moravek, Milos Seda Brno University of Technology, Czech Republic
13:00 14:00	Lunch Break	
	Thursday December 22, 2011	
09:00 11:00	Chair : Arnab Bandyopadhyay, Aditi Bhadra	HALL-A Session – V (December 22, 2011)
	Correlation and Path Analysis of Some Agronomic Traits of Rapeseed (Brassica napus L.) Genotypes	Mahdi Zare Islamic Azad University of Firoozabad, Iran
	Biplot analysis for evaluation of tolerance in some bean (Phaseolus vulgaris L.) genotypes to Bean Common Mosaic Virus (BCMV)	S. Ghasemi, M.M. Kamelmanesh, A. Namayande, R. Biabanikhankahdani Islamic Azad University, Iran
	Preliminary Study on Determining Stem Diameter Variations of Sympodial Orchid	Naimah Mat Isa Universiti Teknologi Mara, Malaysia
	Comparative Analysis Of Fiber Utilization From Different Food Sources In Functional Baked Products	Muhammad Umair Arshad, Mehwish Younis, Surayia Zakir, Shahzad Ali Shaihd, Muhammad Abdullah Government College University, Pakistan
	The Effect of Global Environmental Changes on the Lebanese Citrus Industry	Said Ladki, Maya Sharif, HananShaaban, SamerDoumani Lebanese American University, Lebanon
	Pollution induced community tolerance (PICT) of microorganisms in soil incubated with different levels of Pb	N. Aliasgharzag, A. Molaei, S. Oustan University of Tabriz, Iran
	Organic conditioners (biological sludge and polyacrylamide) effect on soil structure and aggregation in sandy loam soil	A. A. Jafarzadeh, T. Shaikhavandi, V. Montakhabi-Kalajahi, M. R. Neyshabouri, Sh. Asghari University of Tabriz, Iran
	Optimization of Fiber Rich Gluten-Free cookie formulation by Response Surface Methodology	Bahadur Singh Hathan, B. L. Prassanna SantLongowal Institute of Engineering and Technology, India
	Application of NO-damaged DNA lesions for biomolecular interaction analysis	Seung Pil Pack, Keisuke Makino Korea University, Korea
	Influence Index and its Application for k-Nearest Neighbor Classifier	Sejong Oh Dankook university, South Korea
	Effects of Combined Stimulation on the Autonomic Nervous System: a pilot study	Dae Won Lee, JiHyung Park, Si Nae Eom, Seung Kuk Kim, Young Kuen Cho, Syung Hyun Cho, Jong Soo Lee, Sung Hyun Ryu, Han Sung Kim Yonsei University

	Improved Lung Nodule Visualization on Chest Radiographs using Digital Filtering and Contrast Enhancement	Benjamin Y. M. Kwan, Hon Keung Kwan University of Windsor, Canada
	Impulse Noise Reduction in Brain Magnetic Resonance Imaging Using Fuzzy Filters	Benjamin Y. M. Kwan, Hon Keung Kwan University of Ottawa, Canada
	Exons and Introns Classification in Human and Other Organisms	Benjamin Y. M. Kwan, Jennifer Y. Y. Kwan, Hon Keung Kwan Queen's University, Canada
	Development of an ArcGIS Toolbar for Trend Analysis of Climatic Data	Arnab Bandyopadhyay, Anubhab Pal, Subhajit Debnath North Eastern Regional Institute of Science and Technology, India
	Flood Hazard Mapping in Dikrong Basin of Arunachal Pradesh (India)	Aditi Bhadra, Sutapa Choudhury, Daita Kar North Eastern Regional Institute of Science and Technology, India
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Gilwon Yoon	HALL-A Session – VI (December 22, 2011)
	Study of Energy and Power of Positive and Negative Thoughts of EEG Signals to Find a Biometric Similarity Matrix	Sagheb Kohpayeh Araghi, Zeinab Pouladmast Ghadiri Multimedia University, Malaysia
	Lectins as a Factor That Allows the Nonlegume Plant to Form Associative Symbiosis with Rhizobia	Vershinina Z. R. Blagova D.K. BaymievAn. K. Baymiev Al. K. Institute of Biochemistry and Genetics Ufa Scientific Center, Russian Academy of Sciences, Russia
	A Study of Calcination and Carbonation of Cockle Shell	Nor Adilla Rashidi, Mustakimah Mohamed, Suzana Yusup Universiti Teknologi Petronas, Malaysia
	Antibiotic resistance profile of bacterial isolates from animal farming aquatic environments and meats in a peri-urban community in South Korea	Hyunjin Rho, Bongjin Shin, Okbok Lee, Yu-Hyun Choi, Jiyoung Lee, Jaerang Rho DSHS, South Korea
	In Silico Protein Folding Simulation of Peptide α -ConotoxinRgIA (α -RgIA).	Fatahiya Mohamed Tap, Nurul Bahiyah Ahmad Khairudin Universiti Teknologi Malaysia, Malaysia
	Torrefaction of Malaysian Palm Kernel Shell into Value-Added Solid Fuels	Amin A. Jaafar, Murni M. Ahmad Universiti Teknologi Petronas, Malaysia
	Effects of wastewater strength and salt stress on microalgal biomass production and lipid accumulation	Praepilas Dujjanutat, Pakawadee Kaewkannetra Khon Kaen University, Thailand
	Rubber seed (<i>Hevea brasiliensis</i>) as a new source of omega-3 fatty acids	Siti Hamidah Bt. MohdSetapar, Lee Nian Yian, Ida-Idayu Muhamad Universiti Teknologi Malaysia, Malaysia
	Construction of an Ara-based conditional lethal Salmonella mutant unable to survive in extracellular environment as a vaccine candidate	John Hwa Lee, Changwoon Nah, Kee-Ho Yu, Atul A. Chaudhari College of Veterinary Medicine, Chonbuk National University, Korea
	Real-Time Image Analysis of Capsule Endoscopy for Bleeding Discrimination in Embedded System Platform	Yong-Gyu Lee, Gilwon Yoon Seoul National University of Science and Technology, South Korea
	Dielectric Properties of Body Fluids with Various Hematocrit Levels	Gilwon Yoon Seoul National University of Science and Technology, South Korea
13:00 14:00	Lunch Break	
	Thursday December 22, 2011	
09:00 11:00	Chair : Kenji Suyama	HALL-B Session – VII (December 22, 2011)
	ZigBee-Based Sensor Module and Wireless Network for Temperature and Humidity Monitoring for a Smart Greenhouse	Yuyang Peng, Jaeho Choi Chonbuk National University, South Korea
	Design and Implementation of a Series-Parallel Resonant Converter as a High Efficiency, Fuzzy Controlled Welding Current Source	Abbas Kamaly, Mohammad Jafari, Zahra Malekjamshidi, Kourosh Mahmoodi Fasa Branch, Islamic Azad University, Iran
	Feature Selection Approaches with Missing Values Handling for Data Mining - A Case Study of Heart Failure Dataset	N. Poolsawad, C. Kambhampati, J. G. F. Cleland The University of Hull, United Kingdom
	Fast Implementation of Stream Cipher K2 on FPGA	Yuto Nakano, Kazuhide Fukushima, Shinsaku Kiyomoto, Yutaka Miyake KDDI R&D Laboratories Inc., Japan
	Human Detection using Projected Edge Feature	Jaedo Kim, Youngjoon Han, Hernsoo Hahn Soongsil University, Republic of Korea
	A Novel Design for Hybrid Space-Time Block Codes and Spatial Multiplexing Scheme	Seung-Jun Yu, Jang-Kyun Ahn, Eui-Young Lee, Hyoung-Kyu Song Sejong University, Republic of Korea
	Multiple Sound Source Localization based on Local Existence Property of Speech Signal	Hiroshi Umezu, Kenji Suyama Tokyo Denki University, Japan

	Multiple Moving Talker Tracking by Integration of Two Successive Algorithms	Kenji Suyama, Masahiro Oshida, Noboru Owada Tokyo Denki University, Japan
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Khoa Le, Yasunori Kobori	HALL-B Session – VIII (December 22, 2011)
	Development of Motor and Controller for VVA Module of Gasoline Vehicle	Joon Sung Park Korea Electronics Technology Institute, South Korea
	A Power Conversion System using the Renewable Energies for HEV Charger	Jin-Hong Kim Korea Electronics Technology Institute, South Korea
	A Pattern Search Based Algorithm for Analyzing Power System Stability	M. R. AlRashidi, K. El-Naggar, M. F. AlHajri College of Technological Studies, Kuwait
	Design and Implementation of a Full Bridge Resonant DC-DC converter using Hybrid Fuzzy- PID controller	Ali Emamghorashi , Hasan Ansari, Mohammad Jafari, Zahra Malekjamshidi Fasa branch, Islamic Azad University, Iran
	Novel Sinusoidal Pulse Width Modulation with Least Correlated Noise	Shiang-Hwua Yu, Han-Sheng Tseng National Sun Yat-Sen University, Taiwan
	Variable-Relation Criterion for Analysis of the Memristor	Qingjiang Li, HuiXu, Haijun Liu, XiaoboTian National University of Defense Technology, China
	Novel AC-DC Converter Design with PF Correction	Y. Kobori, L. Xing, G. Hong, T. Shishime, M. Ohshima, H. Kobayashi, N. Takai, K. Niitsu Oyama National College of Technology, Oyama, Japan
	Benefits of adaptive policies and selection combining on OFDM channel capacity in fading environments in the presence of Doppler spread	Khoa Le University of Western Sydney, Australia
13:00 14:00	Lunch Break	
	Friday December 23, 2011	
09:00 11:00	Chair : Bin Su	HALL-A Session – IX (December 23, 2011)
	Adaptive Climate Responsive Vernacular Construction in High Altitude	Ar. AmitavaSarkar National Institute of Technology, Hamirpur, Himachal Pradesh, India
	A Study on the Introduction of Wastewater Reuse Facility in Military Barracks by Cost-Benefit Analysis	Deok-Gi Jung, Jae-Bok Lim, Ju-Hyung Kim, Jae Jun Kim Hanyang University, Korea
	Measuring Relative Efficiency of Korean Construction Company Using DEA/Window	Jung-Lo Park Hanyang University, Korea
	A Study on the Development of a BIM based Spatial Planning Simulation System for Architectural Planning Step Support	S.Y. Choi, J.H. Kim, J. J. Kim Hanyang university, Korea
	Simulation Study on the Indoor Thermal Comfort with Insulation on Interior Structural Components of Super High Rise Residences	Yupeng Wang, Hiroatsu Fukuda, Akihito Ozaki, Hikaru Sato The University of Kitakyushu, Japan
	Influence of differences of heat insulation methods on thermal comfort of apartment buildings	Hikaru Sato University of Kitakyushu, Japan
	A Zero-Cost Collar Option Applied to Materials Procurement Contracts to Reduce Price Fluctuation Risks in Construction	Hae-Lee Yim, Sang-Hyo Lee, Seung-KyuYoo, Jae-Jun Kim Hanyang University, Korea
	Liquidity Crisis Factor Analysis of the General Contractor under Global Financial Crisis in Korea- Focused on Financing Structure by the Company's Scale	Seung-Kyu Yoo Hanyang University, Seoul, Korea
	Study of the Effectiveness of Outrigger system for high-rise composite buildings for Cyclonic Region	Tabassum Fatima, Sabrina Fawzia, A. Nasir Queensland University of Technology, Australia
	Seismic Response Reduction of Structures using Smart Base Isolation System	Hyun-Su Kim Sunmoon University, Korea
	Efficient Numerical Model for Studying Bridge Pier Collapse in Floods	ThanutKallaka, Ching Jong Wang Asian Institute of Technology, Thailand
	Reliability Analysis of Tubular Joints of Offshore Platforms in Malaysia	Nelson J. Cossa, Narayanan S. Potty, Mohd Shahir Liew, Arazi B. Idrus UniversitiTeknologiPetronas, Malaysia
	Document Terms with Same Statistical Properties	Kenan Matawie University of Western Sydney, Australia
	School Design and Energy Efficiency	Bin Su School of Architecture, Unitec Institute of Technology, New Zealand

11:00 11:15	Coffee Break	
11:15 13:00	Chair : Jie He, Himanshu Bhushan Sahu	HALL-A Session – X (December 23, 2011)
	Water quality from a mixed land-use catchment in Miri, Sarawak	Carrie Lee Ing Ho, Darshana Jaya Kumar Curtin University of Technology, Sarawak Campus, Malaysia
	The acaricidal and repellent effect of cinnamon essential oil against house dust mite	Je-Hoon Michael Oh Gyeonggi Suwon International School, South Korea
	A study of performance of wastewater treatment systems for small sites	Fu Ee Tang, Vun Jiun Ngu Curtin University Sarawak Campus, Malaysia
	A Study of the Garbage Enzyme's Effects in Domestic Wastewater	Fu E. Tang, Chung W. Tong Curtin University Sarawak Campus, Malaysia
	Product ecodesign approaches in ISO 14001 certified companies	Gregor Radonjič University of Maribor, Faculty of Economics and Business, Slovenia
	Compost Preparation of Sesame Straw to be Used as Organic Fertilizer	Mahmoud Ahmed Morsy, M. M. Mekail Minia University, Egypt
	Comparison of Attached growth process with Suspended growth process	H. J. Yeon , D. Chang, D. W. Kim, B. K. Kim, J. K. Choi, S. Y. Lim, C. Y. Yoon, D. J. Son, W. Y. Kim Konkuk University, South Korea
	Wastewater Treatment in Moving-Bed Biofilm Reactor operated by Flow Reversal Intermittent Aeration System	Byung Kook, Kim Konkuk University, South Korea
	Solubility of CO ₂ in Aqueous Solutions of 2-amino-2-methyl-1-propanol At High Pressure	Azmi Mohd Shariff, Ghulam Murshid, K.K. Lau, Mohammad Azmi Bustam, Faizan Ahamd UniversitiTeknologi Petronas, Malaysia
	Waste Management in Mining Industries – An Overview	Himanshu Bhushan Sahu National Institute of Technology, Rourkela, India
	A Study on the Potential of Piper sarmentosum and Epipremnumacureum for Phytoremediation of Lead via Uptake, Accumulation and Leaching	Jie He Nanyang Technological University, Singapore
13:00 14:00	Lunch Break	
	Friday December 23, 2011	
09:00 11:00	Chair : Avinash Vasudeo, Niranjali Jayasuriya	HALL-B Session – XI (December 23, 2011)
	Renewable Energy Supply Options in Kuwait	Osamah A. Alsayegh, Fatma A. Fairouz Kuwait Institute for Scientific Research, Kuwait
	Enhancing Landfill Gas Production by Methanogenic Sand Layer	Nasiman Sapari, Syazana Mustapha, HisyamJusoh UniversitiTeknologi Petronas, Malaysia
	Removal of Iron From Groundwater by Sulfide Precipitation	Hisyam Jusoh, Nasiman Sapari, Raja Zainariah Raja Azie Universiti Teknologi Petronas, Malaysia
	Handmade clay balls and recycled crushed glass as alternative media	Jay Rajapakse Queensland University of Technology, Australia
	Entropy based expeditive methodology for rating curves assessment	D. Mirauda, M. Greco, P. Moscarelli University of Basilicata, Italy
	Influence of the entropic parameter on the flow geometry and morphology	D. Mirauda, M. Greco, A. Volpe Plantamura University of Basilicata, Italy
	Hazard Contributing Factors Classification for Petrol Fuel Station	Mirza Munir Ahmed Universiti Teknologi Petronas, Malaysia
	Multi-Objective Planning and Operation of Water Supply Systems Subject to Climate Change	B. J. C. Perera, D. A. Sachindra, W. Godoy., A.F. Barton, F. Huang Victoria University, Australia
	Assessment of In-Situ Water Sensitive Urban Design Elements	Niranjali Jayasuriya RMIT University, Australia
	Hydrological Analysis for a Mining Block in Chhattisgarh State of India	Avinash Vasudeo Visvesvaraya National Institute of Technology, Nagpur, India
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Ahmad Alshyyab	HALL-B Session – XII (December 23, 2011)

	Identifying and Prioritizing Factors Affecting Consumer Behavior Based on Product Value	Houshang Taghizadeh, Gholamreza Soltani Fesghandis Tabriz Branch, Islamic Azad University, Iran
	Transient Hydrodynamic and Thermal Behaviors of Fluid Flow in a Vertical Porous Microchannel under the Effect of Hyperbolic Heat Conduction Model	A. F. Khadrawi Al-Balqa' Applied University, Jordan
	Mathematical Modelling of Partially Filled Fluid Coupling Behaviour	Ayman Maqableh Al-Balqa Applied University, Jordan
	Autonomous Control of a Mobile Manipulator	Shonal Singh, Bibhya Nand Sharma, Jito Vanualailai The University of the South Pacific, Fiji Islands
	Formation Control of Mobile Robots	Krishna Sami Raghuwaiya University of the South Pacific, Fiji Islands
	A Numerical Model for Studying Convectonal Lifting Processes in the Tropics	Chantawan Noisri, Robert Harold Buchanan Exell King Mongkut's University of Technology Thonburi, Thailand
	Symmetries, conservation laws and reduction of wave and Gordon-type equations on Riemannian manifolds	Sameerah Jamal, Abdul Hamid Kara, Ashfaque H. Bokhari University of the Witwatersrand, Johannesburg, South Africa
	New Explicit Group Newton's Iterative Methods for the Solutions of Burger's Equation	Tan Kah Bee Universiti Sains Malaysia, Malaysia
	Parallel Explicit Group Domain Decomposition Methods for the Telegraph Equation	Kew Lee Ming, NorhashidahHj. Mohd. Ali Universiti Sains Malaysia, Malaysia
	Recursive Path-Finding in a Dynamic Maze with Modified Tremaux's Algorithm	Nien-Zheng Yew, Kung-Ming Tiong, Su-Ting Yong University of Nottingham Malaysia Campus, Malaysia
	Implementation of Data Path for Microprocessor Trainer(Arithmetic and logical instructions)	Tin Tin Khaing, Phyu Phyu Shein Technogical University, Myanmar
	Implementation of Parallel Interface for Microprocessor Trainer	Moe Moe Htun, Khin Htar Nwe Technological University, Myanmar
	Implementation of Program Debugger for Microprocessor Trainer	Khin Htar Nwe, Moe Moe Htun Hardware Departmet, Computer University, Myanmar
	Implementation of Control Unit for Microprocessor Trainer (Arithmetic and Logical Instructions)	Phyu Phyu Shein, Tin Tin Khaing Technological University, Myanmar
	Semi-Analytic Solution and Hydrodynamics Behavior of Fluid Flow in Micro-Converging plates	A. Alshyyab, A. F. Khadrawi Jordan University of Science and Technology, Jordan
13:00 14:00	Lunch Break	
10:00 12:00	Chair : Z. Mingaleva	e-Session – XIII (December 21-22-23, 2011)
	Consumers purchase behavior toward foreign versus local brands	Mohsen Rasoulia, Alireza Nalchi Kasha, Hossein Bovjari Islamic Azad University, Branch Naragh, Iran
	Personal Digital Assistants for fieldwork Training in College Campus	Takaharu Miyoshi, Tadahiko Higuchi Hiroshima Institute of Technology, Japan
	Dynamic Simulation of a Radial Flux Dual-Rotor Permanent Magnet Motor	Abdolamir Nekoubin Islamic Azad University, Iran
	Designing and manufacturing high voltage pulse generator with adjustable pulse and monitoring current - voltage: food processing application	H. Mirzaee, A. Pourzaki Khorasan Research Institute for Food Science and Technology, Iran
	Adaptive nonlinear backstepping control of BLCD under velocity constraint	Sun Lim Korea Electronics Technology Institute, South Korea
	Object Detection Based Weighted-Center Surround Difference	Seung-Hun Kim Korea Electronics Technology Institute, Korea
	An Authoring Tool for Vibrotactile Images	Da-Hye Kim, Won-Hyung Park, In-Ho Yun, JeongCheol Kim, Sang-Youn Kim Korea University of Technology and Education, South Korea
	Three Attacks on Jia et al.'s Remote User Authentication Scheme using Bilinear Pairings and ECC	Eun-Jun Yoon, Kee-Young Yoo Kyungil University, Republic of Korea
	Effect of the Higher Order Terms on the Thermal Behaviour of Thin Layer Slab Under the Effect of Hyperbolic Heat Conduction Model	M. A. Al-Nimr, Suleiman E. Al-Lubani, A. F. Khadrawi Al-Balqa' Applied University, Jordan
	Exact Evaluation Method for Error Performance Analysis of Arbitrary 2-D Modulation OFDM Systems with CFO	Jaeyoon Lee, Dongweon Yoon, HoonYoo, Sanggoo Kim Hanyang University, Korea

	Optimum Ring Ratios for Coded 4+12 APSK	Jaeyoon Lee, Dongweon Yoon, SeungWoon Choi, Jang H. Oh Hanyang University, Korea
	Approximation for Average Error Probability of BPSK in the Presence of Phase Error	Yeonsoo Jang, Dongweon Yoon, Ki Ho Kwon, Jaeyoon Lee, Wooju Lee Hanyang University, Korea
	Outage Performance Analysis of Best Relay Selection with Multiple Source and Destination Antennas over Nakagami Fading Channel	Wooju Lee, Dongweon Yoon, Jaeyoon Lee Hanyang University, Korea
	Local dynamic mechanical properties of native porcine endplate	J. Sepitka, J. Lukes, J. Reznicek Czech Technical University in Prague, Czech Republic
	Comparison of transfection efficiency for rat mesenchymal stem cells and rat muscle derived stem cells using polyethyleneimine	Jin Seon Kwon, Da Yeon Kim, KkotNim Kang, Byoung Hyun Min, Jae Ho Kim, Moon Suk Kim Ajou University, Republic of Korea
	Preparation of small intestinal submucosa gel as an in vivo drug depot	So Mi Yoon, KkotNim Kang, Da Yeon Kim, Bong Lee,Byoung Hyun Min,Jae Ho Kim, Moon Suk Kim Ajou University, Republic of Korea
	Tongue Diagnosis System Based on PCA and SVM	Jin-Woong Park, Sun-Kyung Kang, Sung-Tae Jung Wonkwang University, South Korea
	Microalgae-based Oil for Biodiesel Production	Marc Veillette, Mostafa Chamoumi, Nathalie Fauchoux, Michèle Heitz Université de Sherbrooke, Canada
	The effect of VA mycorrhiza on growth index of tomato in the presence of Lead and different levels of Phosphoruse	Shahram Baghban Sirius, Parisa Alizadeh Oskuie Marand Branch, Islamic Azad University, Marand, Iran
	The effect of VA mycorrhiza on reduction of Cd toxicity to tomato at different levels of P until flowering stage	Parisa Alizadeh Oskuie, Shahram Baghban Sirius Marand Branch, Islamic Azad University, Marand, Iran
	Effects of selenium yeast supplementation in Holstein dairy cows in transition period on some serum biochemical parameters of newborn calves	Amir DavarForoozandeh , Mohammad Mohrekehsh , Gholam Reza Ghalamkari, Akbar Pirestani, Ali Mehrabi Islamic Azad University,Khorasgan (Isfahan) Branch, Iran
	Cloning and expression of D-threonine aldolase from Ensiferarboris NBRC100383	Sang-Ho Baik Chonbuk National University, South Korea
	Supplementation of vascular endothelial growth factor during in vitro maturation of porcine cumulus oocyte complexes and subsequent developmental competence after parthenogenesis and in vitro fertilization	Dibyendu Biswas, Sang Hwan Hyun Chittagong Veterinary and Animal Sciences University, Bangladesh
	Industrial effects and firms survival (case study: Iran- East Azarbaijan Province)	GhaffarTari Marand Branch, Islamic Azad University, Iran
	A Study of the Effect of Exchange Rate Changing on Gross Domestic Product of Selected Developing Countries (Iran, Malaysia, Saudi Arabia, China, Pakistan)	MasoudNonejad, HosseinSherafatianJahromi Islamic Azad University Shiraz Branch, Iran
	A Comparative Study on Building Energy Performance between Movable and Fixed shading; Effect of Same Design Measures on Energy-Saving Potential of Different Buildings	Jian Yao Ningbo University, Ningbo, China
	Metro and its Economical aspects on Tehran metropolis	Ebrahim Safa, Arman Safa Islamic Azad University, South Tehran Branch, Iran
	The New Method Of Concealed Data Aggregation in Wireless Sensor : A Case Study	Mashallah Abbasi Dezfouli, Saeed Mazraeh, Mohammad Hossein Yektaie and Research Branch, Islamic Azad University, Iran
	Heat Transfer from a cam shape cylinder between parallel walls	Arash Mir Abdolah Lavasani, Hamidreza Bayat Islamic Azad University Central Tehran Branch, Iran
	Investigation of maximum flood discharge in different regional and time scales using stochastic models	Mohsen Najarchi Islamic Azad University, Iran
	Identification and Validation of Dynamic Parameters of Gas Turbine Model V94.2	Nemat Talebi, Ebrahim Nowruzi Islamic Azad University South Tehran Branch, Iran
	Design a Dynamic Model of the Tradeoff Between Productivity and Safety in Critical Engineering Systems	Saied Rasul Hosseini Baharanchi, Zohreh NasreAzadani Imam Hossein University, Iran
	Feasibility Study on Designing a Flat Loop Heat Pipe (LHP) to Recover The Heat From Exhaust of a Gas Turbine	Mohammad Hossein Ghaffari Tehran Azad University, Science and Research Campus, Tehran, Iran
	Investigation of Advanced Oxidation Process for the Removal of Residual Carbaryl from Drinking Water Resources	Ali Reza Rahmani, Mohamad Taghi Samadi, Maryam Khodadadi Hamadan University of Medical Sciences, Iran
	Irredundant Cover and Semisimplicity Condition	Mohammad Javad Payame Noor University, Iran
	Evaluation of Radiation Synthesized β -Glucan Hydrogel Wound Dressing using Rat Models	Hui-Jeong Gwon Korea Atomic Energy Research Institute, Republic of Korea
	Intellectual Property Rights (IPR) in Nano-electronics sector	Qazi Muhammad Moinuddin Abro Mehran University Institute of Science, Technology and Development, Pakistan

	Reversible Data Embedding Using Location Map and Feature Map	Prashant R. Dike, Mahesh S. Chavan, Manik S. Gaikwad Sinhgad Institute of Engineering and technology, Lonawala Maharashtra, India
	Post-ERP Usage Problem and Use of 'Feral System' as a Coping Mechanism	Alemayehu Molla, Say Yen Teoh RMIT University, Australia
	Operational Research Technique and the Decomposition of Total Factor Productivity Growth in Small and Medium Enterprises, SMEs	Nordin Haji Mohamad, Fatimah Said University of Malaya, Malaysia
	Studying the Relationship between Different Dimensions of CRM and Innovation Capabilities in Melli bank of Iran	Peyman Ghafari, Reza Karjalian, Ali Mashayekhnia Islamic Azad University of Arak, Iran
	Relationship quality, Customer satisfaction and relational benefits to the firm	Peyman Ghafari Ashtiani, Hamid Abdolkarimi Islamic Azad University of Arak, Iran
	Investigation of Undular Hydraulic Jump over smooth beds	Fatemeh Rostami, Mahdi Shahrokhi, Md. AzlinMd Said, Saeed Reza Sabbagh-Yazdi Universiti Sains Malaysia, Malaysia
	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