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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 social and human sciences.

WASET 2012 TOKYO, JAPAN INTERNATIONAL CONFERENCE PROGRAM

May 29-30, 2012 Narita Tobu Hotel Airport, 320-1 Tokko, Narita-shi, Chiba, Tokyo, Japan 286-0106
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International University of Science, Engineering and Technology

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A number of selected high-impact full text papers will also be considered for the special journal issues. The paper selection will be carried out during the review process as well as at the conference presentation stage. The final decision for paper selection will be made based on peer review reports by the Guest Editors and the Editor-in-Chief jointly.

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GUIDELINES FOR JOURNAL MANUSCRIPT SUBMISSION

The Scientific Research Journals welcome the submission of original manuscripts from all academic disciplines at www.waset.org/submission.php. It is expected that submissions to the Journals will be structured according to the established scientific format, and that manuscripts will be organized/sectioned in a manner that maximizes both the substance and clarity of the document. The manuscripts are further per-reviewed and evaluated with respect to originality, academic and practical relevance, thoroughness, accuracy, consistency, credibility, and proper referencing.

**WASET 2012
CONFERENCE CALENDAR**

- Copenhagen, DK: June 11-12, 2012
- Paris, FR: June 27-28, 2012
- Zurich, CH: July 5-6, 2012
- Stockholm, SE: July 11-12, 2012
- Amsterdam, NL: July 25-26, 2012
- Oslo, NO: August 13-14, 2012
- Paris, FR: August 22-23, 2012
- Kuala Lumpur, MY: August 28-29, 2012
- Singapore, SG: September 12-13, 2012
- Berlin, DE: September 19-20, 2012
- Rome, IT: September 26-27, 2012
- Dubai, AE: October 8-9, 2012
- Lucerne, CH: October 15-16, 2012
- Bali, ID: October 24-25, 2012
- Venice, IT: November 14-16, 2012
- Paris, FR: November 28-29, 2012
- Penang, MY: December 6-7, 2012

TENTATIVE TOKYO 2012 CONFERENCE PROGRAM

**The Complete Conference Registration is Required for Publication in the Conference Proceedings at
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Tuesday		May 29, 2012
Welcome & Registration at 08:30-09:00		
Time	Paper Title	Authors
09:00 11:00	Chair : Naoto Suzuki, Kayoko Yamamoto	Session – I (Oral Presentation) – HALL A May 29, 2012
	A Design of Array Transcranial Magnetic Stimulation Coil System	Sheng Ge, Jian-Peng Wang, Hai-Ying Tang, Xi Xiao, Wen Wu School of Electronic Engineering and Optoelectronic Technology, Nanjing University of Science and Technology, China
	Use of NMMO Pretreatment for Biogas Production from Oil Palm Empty Fruit Bunch	Ria Millati, Fiametta A. Purwandari, Adhitya P. Sanjaya, Muhammad N. Cahyanto, Ilona S. Horváth, Mohammad J. Taherzadeh, Claes Niklasson Department of Food and Agricultural Product Technology, Gadjah Mada University, Indonesia
	A Study on the Removal of Trace Organic Matter in Water Treatment Procedures using Powder-activated Carbon Biofilm	Rou-Han Lee, Jie-Chung Lou, Huang-Ming Fang Institute of Environmental Engineering, National Sun Yat-Sen University, Taiwan
	Adsorption of Inorganic Salt by Granular Activated Carbon and Related Prediction Models	Kai-Lin Hsu, Jie-Chung Lou, Jia-Yun Han Institute of Environmental Engineering, National Sun Yat-Sen University, Taiwan
	Health Risk Assessment in Lead Battery Smelter Factory: A Bayesian Belief Network Method	Kevin Fong-Rey Liu, Ken Yeh, Cheng-Wu Chen, Han-Hsi Liang Ming Chi University of Technology, Taiwan
	Combing LCIA and Fuzzy Risk Assessment for Environmental Impact Assessment	Kevin Fong-Rey Liu, Ken Yeh, Cheng-Wu Chen, Han-Hsi Liang Ming Chi University of Technology, Taiwan
	Fuzzy Risk-Based Life Cycle Assessment for Estimating Environmental Aspects in EMS	Kevin Fong-Rey Liu, Ken Yeh, Cheng-Wu Chen, Han-Hsi Liang Ming Chi University of Technology, Taiwan
	Energy Based Temperature Profile for Heat Transfer Analysis of Concrete Section Exposed to Fire on One Side	Pattamad Panedpojaman Prince of Songkla University, Thailand
	Environmental Stress of man Due to Non Uniform Non Continuous Velocity	Ali Akbar Mottahedi Iranian Organization for Science and Technology, Iran
	An Evaluation of Carbon Dioxide Emissions Trading among Enterprises – The Tokyo Cap and Trade Program –	Hiroko Satou, Kayoko Yamamoto National University of Electro-Communications, Tokyo, Japan
	Basic research for distinguishing small retinal hemorrhages from dust artifact by using hue, lightness, and saturation color space	Naoto Suzuki Hiroshima International University, Japan
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Pavol Molnar, Cheng-Di Dong	Session – II (Oral Presentation) – HALL A May 29, 2012
	Reducing Humic Acid and Disinfection By-products in Raw Water Using a Bio-activated Carbon Filter	Wei-Pin Tseng, Jie-Chung Lou, Ming-Ching Wu, Huang-Ming Fang Institute of Environmental Engineering, National Sun Yat-Sen University, Taiwan
	[Ca(2,2'-bipyridine)3]2+ -Montmorillonite : A Potentiometric Sensor for Sulfide ion	Sunan Payungsak, Atchana Wongchaisuwat, Ladda Meesuk Kasetsart University, Thailand
	SIMGraph: Simplifying contig graph to improve de novo genome assembly using next-generation sequencing data	Darby Tien-Hao Chang National Chen Kung University, Taiwan
	Current Situation and Possible Solutions of Acid Rain in South Korea	Dhongkyu Yoon Daewon Foreign Language High School, South Korea
	Enhancement of Methane Productivity of Anaerobic Reactors of Wastewater Treatment Plants	Aare Kuusik, Enn Loigu, Olev Sokk, Argo Kuusik Tallinn University of Technology, Department Of Environmental Engineering, Estonia
	Copper Contamination in the Sediments of northern Kaohsiung Harbor, Taiwan	Chiu-Wen Chen, Chih-Feng Chen, Cheng-Di Dong National Kaohsiung Marine University, Taiwan
	Environmental Performance Assessment Model as a Sustainability Decision Tool for Small and Middle Sized Enterprises	Pavol Molnar Pan European University, Slovakia

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13:00 14:00	Lunch Break	
14:00 15:30	Chair : Yan Su	Session – III (Oral Presentation) – HALL A May 29, 2012
	Typical Day Prediction Model for Output Power and Energy Efficiency of a Grid-Connected Solar Photovoltaic System	Yan Su, Lai-Cheong Chan University of Macau, China
	Solar Roof Heater as Used in Organic Rankine Cycle	S. Kong Wang I - Shou University, Kaohsiung, Taiwan, Taiwan
	Pathway to reduce industrial energy intensity for energy conservation at Chinese provincial level	Shengnan Zhao, Yang Yu, Shenghui Cui Institute of Urban Environment, Chinese Academy of Sciences, China
	Influence of hydraulic retention time on biogas production from frozen seafood wastewater using decanter cake as anaerobic co-digestion material	Thaniya Kaosol, Narumol Sohgrathok Prince of Songkla University, Thailand
	2-D Ablated Plasma Production Process for Pulsed Ion Beam-Solid Target Interaction	Thanat Rungsirathana, Vorathit Rungsetthaphat, Shogo Azuma, Nobuhiro Harada University of the Thai Chamber of Commerce, Thailand
	Effect of Metal doping (M=Co, Mg, Ba) and Morphology (Nano rods, Quantum dots, Nano particles) on Structural, Optical and Photocatalytic Properties of ZnO	Selvam, S. Narayanan, L. John Kennedy, J. Judith Vijaya Dept Of Chemistry, Loyola College, Chennai, India
	Development of a Novel Pneumatic Hybrid Engine	Yu-Ta Shen, Yean-Ren Hwang National Central University, Taiwan
	New Concept for the Overall Use of Renewable Energy	Chang-Hsien Tai, Uzu-Kuei Hsu, Jr-Ming Miao, Yong-Jhou Lin Air Force Institute of Technology, Taiwan
15:30 17:00	Chair : Orlando Castellanos Diaz	Session – IV (Oral Presentation) – HALL A May 29, 2012
	Laboratory Scale Extraction of Sugar Cane Using High Electric Field Pulses	Mohammad Naghi Eshtiaghi, Nuttawan Yoswathana Mahidol University, Department of Chemical Engineering, Thailand
	Industrial PI Controller Design of a Smith Predictor for Optimal Servo Control of a FOPDT Process with Output Constraint	Hien Cao Thi Thu, Truong Nguyen Luan Vu, Moon Yong Lee Chemical Engineering Department, Yeungnam University, Korea
	Enhancement of Essential Oil from Agarwood by Subcritical Water Extraction and Pretreatments on Hydrodistillation	Nuttawan Yoswathana Mahidol University, Thailand
	Dye-Sensitized Solar Cell by Plasma Spray	C.C. Chen, C.C. Wei, S.H. Chen, S.J. Hsieh, W.G. Diau National United University, Taiwan
	The Surface Adsorption of Nano-pore Template	Mann-Juin Kao, S.F. Chang, C.C. Chen, C.G. Kuo National Taiwan Normal University, Taiwan
	Modification and Characterization of Bacterial Cellulose Biopolymer as Proton Conducting Membrane	Chi-Wen Lin, S.W. Chen National Yunlin University of Science and Technology, Taiwan
	Experimental Investigation of a Novel Reaction in Reduction of Sulfates by Natural Gas as a Reducing Agent	Ali Ghiaseddin, Akram Nemati Nopashimi CO., Iran
	Hydrogen Integration in Petrochemical Complexes, Using Modified Automated Targeting Method	M. Shariati, N. Tahouni, A. Khoshgard, M.H. Panjeshahi University of Tehran, Iran
	Optimum Design of an Absorption Heat Pump Integrated with a Kraft Industry Using Genetic Algorithm	B. Jabbari, N. Tahouni, M. H. Panjeshahi University of Tehran, Iran
	Mixing Behaviors of Wet Granular Materials in Gas Fluidized Beds	Eldin Wee Chuan Lim National University of Singapore, Singapore
	Modeling the Vapor Pressure of Biodiesel Fuels	Orlando Castellanos Diaz, F. Schoeggel, H. Yarranton, M. Satyro, T. Lovestead, T. J. Bruno University of Calgary, Canada
May 29, 2012		Tuesday
09:00 11:00	Chair : Carlos Cuadra	Session – V (Oral Presentation) – HALL B May 29, 2012

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	Thermal and Visual Performance Of Solar Control Film	Norzita Jaafar, Nor Zaini Zakaria, Azni Zain Ahmed, Razidah Ismail Universiti Teknologi Mara, Malaysia
	GA-BP Neural Network Based Inferential Sensor In Adaptive Set-Point Heat Exchanger In District Heating System	Liang Huang, Zaiyi Liao Ryerson University, Canada
	Effects of Energy Consumption on Indoor Air Quality	Mika Raatikainen University of Eastern Finland, Finland
	Wireless Building Monitoring and Control System	J.-P. Skön, M. Johansson, O. Kauhanen, M. Raatikainen, K. Leiviskä, M. Kolehmainen University of Eastern Finland, Finland
	Planning the building evacuation routes by a spatial network	Hsin-Yun Lee Department of Civil Engineering, National Ilan University, Taiwan
	Comparison of FAHP and TOPSIS for Evacuation Capability Assessment of High-rise Buildings	Peng Mei University of Science and Technology of China, China
	Application of Smart Temperature Information Material for the evaluation of heat storage capacity and insulation capacity of exterior walls	Chih-Yuan Chang, Jin-Chiuan Chang, San-Shan Hung, Cheng-Jui Hsu Department of Civil Engineering, Feng Chia University, Taiwan
	Experimental analysis on electrical and photometric performances of commercially available integrated compact fluorescent lamp	Hu-Hsiao Hsu , Po-Ren Chung, Ming-Chin Ho, Chieh-Feng Tsai, Che-Ming Chiang, Shin-Ku Lee National Cheng Kung University, Taiwan
	Engineering geological characteristics of soil materials, East Nile Delta, Egypt	Ismail Ali Ismail Mohamed, N. Ryden National Research Centre, Egypt
	The Conceptual Model And Interpretation Of Coaxial And Non-coaxial Strain in Textural Maturity Of Sediments In Lowlands	Rajaraman Jambunathan Amet University, Chennai, India
	Behavior of RC Buildings to Tsunami Action	Carlos Cuadra Akita Prefectural University, Japan
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Petr Těplý	Session – VI (Oral Presentation) – HALL B May 29, 2012
	Audio User Interface for Visually Impaired Computer Users	S. R. B. Rajapakse, D. M. P. Dias, K. K. G. Weerasekara, G. D. S. P. Wimalaratne, A. T. Dharmaratne University of Colombo School of Computing, Sri Lanka
	Analysis of Aiming Performance for Games Using Mapping Method of Corneal Reflections Based on Two Different Light Sources	Yoshikazu Onuki Tokyo Institute of Technology, Japan
	Human Interactive E-learning Systems Using Head Posture Images	Yucel Ugurlu Aoyama Gakuin University, Japan
	The Mutated Distance between Two Mixture Trees	Wan Chian Li, Justie Su-Tzu Juan, Yi-Chun Wang, Shu-Chuan Chen National Chi Nan University, Taiwan
	Metal streak analysis with different acquisition settings in postoperative spine imaging: A phantom study	Noor Diyana Osman, Md Saion Salikin, M Iqbal Saripan MARA University of Technology Malaysia, Malaysia
	Detecting and Tracking Vehicles in Airborne Videos	Hsu-Yung Cheng, Chih-Chang Yu National Central University, Taiwan
	Multi-VSS Scheme by Shifting Random Grids	Jo-Yi Chang, Justie Su-Tzu Juan National Chi Nan University, Taiwan
	Eye Gesture Analysis for Driver Hazard Awareness	Siti Nor Hafizah Mohd Zaid Staffordshire University, United Kingdom
	Active Intra-ONU Scheduling with Cooperative Prediction Mechanism in EPONs	Chuan-Ching Sue, Shi-Zhou Chen, Ting-Yu Huang National Cheng Kung University, Taiwan
	New triangle-ring UWB bandpass filter with sharp roll-off and dual-notched bands	Hung-Wei Wu, Yung-Wei Chen, Yu-Fu Chen, Cheng-Yuan Hung Department of Computer and Communication, Kun Shan University, Taiwan
	Optimal Prices under Revenue Sharing Contract in a Supply Chain with Direct Channel	Aussadavut Dumrongsiri Sirindhorn International Institute of Technology, Thammasat University, Thailand

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	The application of regulatory impact assessment (RIA) on the Czech financial market	Petr Těplý, Jana Chválovská, Petr Janský Charles University in Prague, Czech Republic
13:00 14:00	Lunch Break	
14:00 16:00	Chair : Gilwon Yoon	Session – VII (Oral Presentation) – HALL B May 29, 2012
	An LMI Approach of Robust H_{∞} Fuzzy State-Feedback Controller Design for HIV/AIDS Infection System with Dual Drug Dosages	Wudhichai Assawinchaichote King Mongkut's University of Technology Thonburi, Thailand
	Generator Damage Recognition Based on Artificial Neural Network	Chang-Hung Hsu, Chun-Yao Lee, Guan-Lin Liao, Yung-Tsan Jou, Jin-Maun Ho, Yu-Hua Hsieh, Yi-Xing Shen Chung Yuan Christian University, Taiwan
	Applying fuzzy analytic hierarchy process for evaluating service quality of online auction	Chien-Hua Wang, Meng-Ying Chou, Chin-Tzong Pang Yuan Ze University, Taiwan
	The research of fuzzy classification rules applied on CRM	Chien-Hua Wang, Meng-Ying Chou, Chin-Tzong Pang Yuan Ze University, Taiwan
	An Semantic Space Based Algorithm for Document Categorization	Xu Zhao Shanda Innovations, China
	Method of Intelligent Fault Diagnosis of Preload Loss for Single Nut Ball Screws through the Sensed Vibration Signals	Yi-Cheng Huang National Changhua University of Education, Taiwan
	Modeling of the Internet Film Piracy - Preliminary Report	Pavel Janak University of Economics, Faculty of Management, Jindřichuv Hradec, Czech Republic
	The Frame Analysis and Testing for Student Formula	Tanawat Limwathanagura, Thanyarat Singhanart Chulalongkorn University, Thailand
	Promoting mental and spiritual health among postpartum mothers to extent breastfeeding period	Srikiat Anansawat, Pitsamai Ubonsri Suranaree University of Technology, Thailand
	Implementation of Security Algorithms for u-Health Monitoring System	Jiho Park, Yong-Gyu Lee, Gilwon Yoon Seoul National University of Science and Technology, South Korea
	Improvement of Blood Detection Accuracy using Image Processing Techniques suitable for Capsule Endoscopy	Yong-Gyu Lee, Gilwon Yoon Seoul National University of Science and Technology, South Korea
Wednesday May 30, 2012		
09:00 11:00	Chair : Olaf Hallan Graven	Session – VIII (Oral Presentation) – HALL A May 30, 2012
	The use of a bespoke computer game for teaching analogue electronics	Olaf Hallan Graven, Dag Samuelsen Buskerud University College, Norway
	Teaching students the Black Magic of Electromagnetic Compatibility	Dag Andreas Hals Samuelsen Buskerud University College, Norway
	A Fast Block-based Evolutionary Algorithm for Combinatorial Problems	Lien Chung Wang Department of Information Management, Yuan Ze University, Taiwan
	Combine a population-based incremental learning with artificial immune system for Intrusion Detection System	Pei-Chann Chang, Jheng-Long Wu, Hsuan-Ming Chen Department of Information Management, Yuan Ze University, Taiwan
	Noise Factors of RFID-Aided Positioning	Weng Ian Ho University of Macau, Macau
	Development of Decision Support System for House Evaluation and Purchasing	Chia-Yu Hsu, Julaimin Goh, Pei-Chann Chang Yuan-Ze University, Taiwan
	Building a Trend Based Segmentation Method with SVR Model for Stock Turning Detection	Jheng-Long Wu Department of Information Management, Yuan Ze University, Taiwan
	Vertical Micromirror Fabrication by X-ray Lithography for Single Mode Optical Fiber Switching Applications	Runglada Chimchang, Rangan Tongta, Rungrueang Phatthanakun Suranaree University of Technology, Thailand
	A New Proportional - Pursuit is Coupled Guidance Law with Actuator Delay Compensation	Chien-Chun Kung, Feng-Lung Chiang, Kuei-Yi Chen, Hsien-Wen Wei, Ming-Yi Huang, Cai-Ming Huang, Sheng-Kai Wang Department of Mechatronic, Energy and Aerospace Engineering, Chung Cheng Institute of Technology, National Defense University, Taiwan

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	Envelope Echo Signal of Metal Sphere in The Fresh Water	Azrul Bin Mahfudz Polytechnic Sultan Hj Ahmad Shah, Malaysia
	A short reflection on the strengths and weaknesses of simulation optimization	Pavel Vazan, Pavol Tanuska Slovak University of Technology, Faculty of Material Science and Technology in Trnava, Slovakia
	File System-Based Data Protection Approach	Jaechun No Sejong University, South Korea
	Development of Non-Functional Requirements for Decision Support Systems	Kassem Saleh Kuwait University, Kuwait
	Adopting Procedural Animation Technology to Generate Locomotion of Quadruped Characters in Dynamic Environments	Zongyou He, Bashu Tsai, Chinhung Ko, Tainchi Lu Department of Computer Science and Information Engineering, National Chiayi University, Chiayi, Taiwan
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Eswara Anniganahally Thammaiahsetty	Session – IX (Oral Presentation) – HALL A May 30, 2012
	Methodology for Distributed Assessment Tacit Knowledge Extraction (DATKE)	Ibrahim S. Alwatban, Abdulaziz O. Alsadhan, Abdullah S. Al-Mudimigh King Saud University, Saudi Arabia
	Enabling Automated Deployment for Cluster Computing in Distributed PC Classrooms	Shuen-Tai Wang, Ying-Chuan Chen, Hsi-Ya Chang National Center for High-performance Computing, Taiwan
	Evaluating per-user fairness of goal-oriented parallel computer job scheduling policies	Sangsuree Vasupongayya Prince of Songkla University, Thailand
	Mutually Independent Hamiltonian Cycles of $C_n \times C_n$	Kai-Siou Wu, Justie Su-Tzu Juan National Chi Nan University, Taiwan
	The Balanced Hamiltonian Cycle on the Toroidal Mesh Graphs	Wen-Fang Peng, Justie Su-Tzu Juan National Chi Nan University, Taiwan
	Research Trend Analysis – A sample in the Field of Information Systems	Hei Chia Wang, Wei-Pin Chiu National Cheng Kung University, Taiwan
	Simulation of Activity Stream inside Energy Social Business Environment using Assemblage Theory and Simplicial Complex Tool	Soulier Eddie, Calvez, Bugeaux, Rousseaux, Legrand University of Technology of Troyes, France
	Dynamic voltage stability estimation using particle filter	Osea Zebua Kyushu Institute of Technology, Japan
	Reduction of Chloride Dioxide in Paper Bleaching Using Peroxide Activation	Ayo Afolabi, Rudzani Sigwadi, Nkosikhona Xaba, Ambali Abdulkareem University of South Africa, South Africa
	An Assessment of Software Process Optimization Compared to International Best Practice in Bangladesh	Mohammad Shahadat Hossain Chowdhury, Tania Taharima Chowdhary, Hasan Sarwar United International University, Bangladesh
	Towards Cloud Computing Anatomy	Maria Salama, Mohamed Kouta Arab Academy for Science, Technology & Maritime Transport, Egypt
	Behavioral signature generation using shadow honeypot	Maros Barabas, Michal Drozd, Petr Hanacek Faculty of Information Technology, Brno University of Technology, Czech Republic
13:00 14:00	Lunch Break	
Wednesday		May 30, 2012
09:00 11:00	Chair : Eswara Anniganahally Thammaiahsetty	Session – X (Oral Presentation) – HALL B May 30, 2012
	Analytical and Experimental Study on the Effect of Air-Core Coil Parameters on Magnetic Force Used in a Linear Optical Scanner	Loke Kean Koay, Horizon Gitano-Briggs, Mani Maran Ratnam Universiti Sains Malaysia, Malaysia
	Dynamics and Control of a Chaotic Electromagnetic System	Shun-Chang Chang Da-Yeh University, Taiwan

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	Optimization of Aluminum Foam Weight to Increase Absorption Energy in Melt Process	Ali Akbar Mottahedi, Mahdi Mottahedi Research Organization for Science and Technology, Iran
	Model Reference Robust Backstepping Design for Pneumatic Driven Ball Screw Table System	Chia Hua Lu, Yean-Ren Hwang National Central University, Taiwan
	Dynamic Responses of Two Beams Connected by Multiple Spring-mass Devices	Hai-Ping Lin Da-Yeh University, Changhua, Taiwan
	The development of Chulalongkorn University's SAE student formula's space frame	Chartree Sithananun, Thanyarat Singhanart Chulalongkorn University, Thailand
	Fabricating protruded micro-features on AA6061 substrates by hot embossing method	Nhat Khoa Tran, Yee Cheong Lam, Chee Yoon Yue, Ming Jen Tan Nanyang Technological University, Singapore
	MHD Falkner-Skan Boundary Layer Flow with Internal Heat Generation Or Absorption	G.Ashwini, Eswara Anniganahally Thammaiahseetty P.E.S.College of Engineering, Mandya, India
11:00 11:15	Coffee Break	
11:15 13:00	Chair : Po Ting Lin, Salah Elshourbagy	Session – XI (Oral Presentation) – HALL B May 30, 2012
	Creation of a new software used for palletizing process	Dusan Kravec Faculty of Mechanical Engineering, Slovak University of Technology, Slovak Republic
	Experiment and Simulation of Laser Effect on Thermal field of Porcine Liver	Yun-Liang Su, Kuen Ting Lunghwa University of Science and Technology, Taiwan
	Effects of Mold Surface Roughness on Compressible Flow of Micro Injection Molding	Quoc Mai Phuong Nguyen, Chen X., Lam Y. C., Yue C. Y. Nanyang Technological University, Singapore
	Study of Forging Process in 7075 Aluminum Alloy Professional Bicycle Pedal Using Taguchi Method	Dyi-Cheng Chen, Wen-Hsuan Ku, Ming-Ren Chen Department of Industrial Education and Technology, National Changhua University of Education, Taiwan
	Investigation of behavior on the contact surface of the tire and ground by CFD simulation	Min-Feng Sung, Yean-Der Kuan, R. J. Shyu, S. M. Lee National Chin-Yi University of Technology, Taiwan
	Development of Low-profile Antenna for Mini UAV with Reconnaissance Mission	Chien-Chun Hung, Yao-Jen Teng, Yung-Sheng Tien, Yu-Tsung Tsai Department of Mechatronic, Energy and Aerospace Engineering, Chung Cheng Institute of Technology, National Defense University, Taiwan
	Forest Growth Simulation: Tropical Rain Forest Stand Table Projection	Yasmin Yahya, Roslan Ismail, Samreth Vanna, Khorn Saret University Kuala Lumpur, Malaysia
	Comparison of Response Surface Designs in a Spherical Region	Boonorm Chomtee Kasetsart University, Thailand
	Principal Component Analysis for the Characterization in the Application of Some Soil Properties	Kamolchanok Panishkan, Kanokporn Swangjang, Natdhera Sanmanee, Daoroong Sungthong Silpakorn University, Thailand
	SDVAR Algorithm for Detecting Fraud in Telecommunications	Fatimah Almah Saaid University of Newcastle Australia, Australia
	Effect of lubrication on the quantity of heat emission of two spur gears in meshing	Salah Elshourbagy Tanta University, Egypt
	Efficient Design Optimization of Multi-State Flow Network for Multiple Commodities	Yu-Cheng Chou, Po Ting Lin Mechanical Engineering at Chung Yuan Christian University, Taiwan
13:00 14:00	Lunch Break	
10:00 13:00	e-Session, May 29, 30 2012 (HALL A – HALL B)	
	Identification of antihypertensive peptides from oyster hydrolysate and blood pressure-lowering effect in SHR	Jenn-Shou Tsai, Pi-Yu Liu, Chia-Lin Chiang, Bonnie Sun Pan Department of Food Science, National Taiwan Ocean University, Taiwan
	Energy Evaluation and Utilization of Cassava Peel for Lactating Dairy Cows	Pipat Lounglawan, Yutthapong Sornwongkaew, Wassana Lounglawan, Wisitiporn Suksombat Suranaree University of Technology, Thailand
	Enhance Halorespiration in Rhodospseudomonas palustris with Cytochrome P450cam System from Pseudomonas	Shou-Chen Lo, Chia-Ching Lin, Chieh-Chen Huang National Chung Hsing University, Taiwan, Republic of China

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	putida	
	Spine Evaluation Device with Visual Feedback	Tamotsu Hirata, Grasiela Hideko Yokoyama, Luiz Heleno Moreira Duque Paulista State University, Brazil
	Evolutionary origin of the α C helix in integrins	Konstantin Denessiouk, Mark S. Johnson Turku Centre for Biotechnology, University of Turku and Åbo Akademi University, Turku, Finland
	Uniform Heating during Focused Ultrasound Thermal Therapy	To-Yuan Chen, Tzu-Ching Shih, Hao-Li Liu, Kuen-Cheng Ju Department of Biomedical Engineering, I-Shou University, Taiwan
	Capacitive ECG Measurement by Conductive Fabric Tape	Yue-Der Lin, Ya-Hsueh Chien, Yen-Ting Lin, Shih-Fan Wang and Ching-Che Tsai Feng Chia University, Taiwan
	Retrospective Synthetic Focusing with Correlation Weighting for Very High Frame Rate Ultrasound	Chang-Lin Hu, Yao-You Cheng, Meng-Lin Li, Chang-Lin Hu, Shan-Yi Yang, I-Cheng Cheng, Shioh-Harn Lee, Yu-Sheng Chen, Yu-Kon Chou Industrial Technology Research Institute, Taiwan
	Investigation of the fibrous protection material using shear thickening liquid	Po-Yun Chen, Jui-Liang Yen, Chang-Ping Chang, Wen-Hua Hu, Yu-Liang Chen, Yih-Ming Liu, Chin-Yi Chou, Ming-Der Ger National Defense University Chung Cheng Institute of Technology, Taiwan
	Fabrication Transparent Conductive Films by Modified Graphene Sheets	You Yu Peng, N. W. Pu, Y.M. Liu, M. D. Ger School of Defense Science, Chung Cheng Institute of Technology, National Defense University, Taiwan
	The study of fabricating the field emission lamps with carbon nano-materials	Kun-Ju Chung, C.C.Chiang, Y.M. Liu, N. W. Pu, M. D. Ger School of Defense Science, Chung Cheng Institute of Technology, National Defense University, Taiwan
	Ultrasound assisted method to increase the aluminum dissolve rate from acidified water purification sludge	Wen Po Cheng, Chi Hua Fu, Ping Hung Chen, Ruey Fang Yu Department of Safety, Health and Environmental Engineering, National United University, Taiwan
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