



Print ISSN 2010-376X  
Electronic ISSN 2010-3778

**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 PARIS, FRANCE

## INTERNATIONAL CONFERENCE PROGRAM

August 22-23, 2012 Holiday Inn Paris, Montparnasse-79-81 Avenue Du Maine, Paris, 75014 France.  
Tel: +33-1-43201393 Fax: +33-1-43209560

**International University of Science, Engineering and Technology**

**INTERNATIONAL SCIENTIFIC COMMITTEE**

- |                         |                        |
|-------------------------|------------------------|
| A-Ur-Rahman Saljoki, PK | Kevin F.R. Liu, TW     |
| Alexander Vaninsky, US  | Majid Tolouei-Rad, AU  |
| Arkady Bolotin, IL      | Mario Mastriani, AR    |
| Byoung-Tak Zhang, KR    | Miloš Šeda, CZ         |
| Chanseng He, USA        | Mikhail E. Semenov, RU |
| Chen-Yuan Chen, TW      | Nerey H. Mvungi, TZ    |
| Christos Grecos, UK     | Peter Pivonka, AU      |
| Edgardo Bucciarelli, IT | Prabhat K. Mahanti, CA |
| Edison Muzenda, ZA      | Quoc-Nam Tran, US      |
| Eric T T Wong, HK       | S. M. A. Burney, PK    |
| James. A. Nelson, US    | Simon Brown, AU        |
| Jesuk Ko, KR            | S. Venkatraman, AU     |
| Karen Armstrong, CA     | Wang Zhigang, US       |
| Kenan Matawie, AU       | Zarita Zainuddin, MY   |
| Kenneth Revett, UK      | Zhanna Mingaleva, RU   |

**INTERNATIONAL SPECIAL JOURNAL ISSUES**

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.

**INTERNATIONAL CONFERENCE SECRETARIAT**

PO Box 3151 NMSU, Las Cruces, NM 88003-3151, USA  
Tel: ++15756350018  
URL: www.waset.org :::: e-mail: info@waset.org

**INTERNATIONAL SCIENTIFIC AND TECHNICAL SPONSORS**

- International Journal of Chemical and Environmental Engineering
- International Journal of Civil and Geological Engineering
- International Journal of Computer and Communication Engineering
- International Journal of Electronics and Electrical Engineering
- International Journal of Engineering and Physical Sciences
- International Journal of Industrial and Manufacturing Engineering
- International Journal of Mathematical and Computational Sciences
- International Journal of Mechanical and Aerospace Engineering
- International Journal of Medical and Biological Sciences
- International Journal of Social and Human Sciences

**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](http://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 peer-reviewed and evaluated with respect to originality, academic and practical relevance, thoroughness, accuracy, consistency, credibility, and proper referencing.

**WASET 2012 CONFERENCE CALENDAR**

- 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
- Bangkok, TH: December 22-23, 2012
- Zurich, CH: January 14-15, 2013
- Dubai, UAE: January 30-31, 2013
- Kualalumpur, MY: February 14-15, 2013
- Barcelona, SP: February 27-28, 2013
- Rio de Janeiro, BR: March 14-15, 2013
- Madrid, SP: March 28-29, 2013

**REMARKS:** Presenters of particular session should be ready in the meeting room at least 10 minutes before the beginning of the session. Also, Presenters should introduce themselves to the session chair and upload their papers to the computer.

Time	Paper Title	Authors
<b>August 22, 2012 Wednesday</b>		
<b>09:00 11:00</b>	<b>Chair : Rong Liu, Leonid Grinis</b>	<b>Session – I (Oral Presentation) HALL A - August 22, 2012</b>
	Analytical Crack Propagation Scenario for Gear Teeth and Time-Varying Gear Mesh Stiffness	Omar D. Mohammed, Matti Rantatalo, Uday Kumar Lulea University of Technology, Sweden
	On convergence of affine thin plate bending element	Rado Flajs, Miran Saje University of Ljubljana, Slovenia
	A visco-elastic model for high-density cellulose insulation materials	Jonas Engqvist, Per Hard af Segerstad, Mathias Wallin ABB Corporate Research, Sweden
	Multi-criteria Optimization of Square Beam Using Linear Weighted Average Model	Ali.Farhaninejad, Rizal.Zahari, Ehsan.Rasooliyazdi Universiti Putra Malaysia, Malaysia
	Effect of Preheating Temperature and chamber Pressure on the Properties of Porous NiTi Alloy Prepared by SHS Technique	Sirikul Wisutmethangoon Prince of Songkla University, Thailand
	Numerical Simulation Of Electric And Hydrodynamic Fields Distribution In A Dielectric Liquids Electrofilter Cell	Narcis Ostahie Vasile Alecsandri University of Bacau, Romania
	Design Optimization of Aerocapture with Aerodynamic-Environment-Adaptive Variable Geometry Flexible Aeroshell	Naohiko Honma, Kojiro Suzuki The University of Tokyo, Japan
	Study of the Effect of Over-expansion Factor on the Flow Transition in Dual Bell Nozzles	Abhilash Narayan, S. Panneerselvam Indian Institute of Technology Madras, India
	CFD Analysis of Wingtip sails using NACA 0015	Masimuddin Mohd Khaled, Young Hwan Kim Emirates Aviation College, United Arab Emirates
	An Analytical Validation for the Stress Distribution Obtained With a Device Used to Bend Metallic Structures	Cosmin Mihai Miritoiu University of Craiova, Faculty of Mechanics, Romania
	Nonlinear Effects in Bubbly Liquid with Shock Waves	Raisa Kh. Bolotnova, Marat N. Galimzianov, Andrey S. Topolnikov, Valeria A. Buzina, Uliana O. Agisheva Mavlutov Institute of Mechanics Ufa Branch of the Russian Academy of Sciences, Russia
<b>11:00 11:15</b>	<b>Coffee Break</b>	
<b>11:15 15:00</b>	<b>Chair : Rong Liu, Leonid Grinis</b>	<b>Session – II (Oral Presentation) HALL A – August 22, 2012</b>
	Simulation of multiphase flows using a modified upwind-splitting scheme	David Robbins University of Cambridge, United Kingdom
	Effect of Buoyancy Ratio on Non-Darcy Mixed Convection in a Vertical Channel: A Thermal Non-equilibrium Approach	Manish K Khandelwal, P. Bera, A. Chakrabarti Indian Institute of Technology Roorkee, India
	Fluidized sand effect on drag forces for a supersonic vehicle	L. Remaki, O. Hassan, B.J. Evans, K. Morgan BCAM , Swansea University
	The Importance of 3D Mesh Generation for Large Eddy Simulation of Gas – Solid Turbulent Flows in a Fluidized Beds	G. González-Silva, E. M. Matos, W. P. Martignoni, M. Mori University of Campinas, Brasil
	A mesh free moving node method to analyze flow through spirals of orbiting scroll pump	I.Banerjee, A.K.Mahendra, T.K.Bera, B.G.Chandresh Bhabha Atomic Research Centre, India
	Gas-Liquid Flow on Smooth and Textured Inclined Planes	J.J. Cooke, S. Gu, L.M. Armstrong, K.H. Luo University of Southampton, United Kingdom
	On modified numerical schemes in vortex element method for 2D flow simulation around airfoils	Iliia Marchevsky, Victoriya Moreva Bauman Moscow State Technical University, Russia
	Effect of Secondary Curvature on Mixing Characteristics within Constant Circular Tubes	Minhtuan Nguyen, Sang-Wook Lee University of Ulsan, Korea
	A Study on the Effect of Variation of the Cross-sectional Area of Spiral Volute Casing for Centrifugal Pump	Hyun Bae Jin, Myung Jin Kim, Wui Jun Chung University of Ulsan, Republic of Korea
	Vortex Wake Formation and Its Effects on Thrust and Propulsive Efficiency of an Oscillating Airfoil	Ahmet Selim Durna, Bayram Celik, Aydin Misirlioglu Istanbul Technical University, Turkey

	Numerical Investigation of Instabilities in Free Shear Layer Produced by NS-DBD Actuator	Ilya Popov, Steven Hulshoff Delft University of Technology, Netherlands
	Rear separation in a rotating fluid at moderate Taylor numbers	S.Damodaran, T. V. S. Sekhar Bharathidasan Govt. College for Women, India
	Fourth order accurate free convective heat transfer solutions from a circular cylinder	T. V. S. Sekhar IIT Bhubaneswar, India
	Densification behavior and microstructure of Zirconium Diboride with Tungsten Carbide and Cobalt Additives	Hyun-Kyu Ji, Se-Hyuk Jung, Sung-Churl Choi Hanyang University, Korea
	Evaluation of length scale effects of silicon cantilevers by micro and nano-sized bending test	Chenzhi Tang China Academy of Engineering Physics, China
	Effect of Ply Orientation on Roughness for the Trimming Process of CFRP Laminates	Jean François Chatelain, Imed Zaghbani, Joseph Monier Ecole de Technologie Supérieure, Canada
	Pressure study on Mn doped KDP system under hydrostatic pressure	W. Paraguassu, S. Guerini, C. M. R. Remédios, P. T. C. Freire Universidade Federal do Para, Brasil
	Self-Excited Vibration In Hydraulic Ball Check Valve	L. Grinis, V. Haslavsky, U. Tzadka Sami Shmoon College of Engineering, Israel
	Temperature-Dependence of Hardness and Wear Resistance of Stellite Alloys	S. Kapoor, R. Liu, X. J. Wu, M. X. Yao Carleton University, Canada
<b>15:00</b>	<b>Lunch Break</b>	
<b>August 22, 2012</b>		<b>Wednesday</b>
<b>09:00 11:00</b>	<b>Chair: Tatjana Tambovceva</b>	<b>Session – III (Oral Presentation) HALL B – August 22, 2012</b>
	Decay Heat Contribution Analyses of Curium Isotopes in the Mixed Oxide Nuclear Fuel	Sherif S. Nafee, Ameer K. AlRamady, Salem A. Shaheen King Abdulazi University, Saudi Arabia
	Multi-objective Economic and Emission Dispatch with the impact of non conventional energy sources	Neena Anand G.H.Raisoni College of Engineering, Nagpur, India
	Forming the Differential-Algebraic Model of Radial Power Systems for Simulation of both Transient and Steady-State Conditions	Saleh A. Al-Jufout Tafila Technical University, Jordan
	Linear-Operator Formalism in the Analysis of Omega Planar Layered Waveguides	António L. Topa Technical University of Lisbon, Portugal
	Reducing Power Consumption in Cloud Platforms Using an Effective Mechanism	Shuen-Tai Wang, Chin-Hung Li, Ying-Chuan Chen National Center for High-Performance Computing, Taiwan R.O.C.
	Multiclass Support Vector Machines for Environmental Sounds Classification using log-Gabor Filters	Souli Sameh Ecole National Des Ingénieurs De Tunis, Tunisia
	Molecular Electronic Devices based on Carotenoid derivatives	V. F. P. Aleixo, A. C. F. Saraiva, J. Del Nero Federal University of Para, Brazil
	Face Recognition Using M-Band Wavelets	Xiaodi Wang Western Connecticut State University, USA
	Atmospheric pressure glow discharge plasma of CH radical spectrum diagnosis	Wang dawang, Zhang Jialiang, Ma guojia, Li Shuqing, Sun Gang, Wu hongchen, Gong shuili Beijing Aeronautical Manufacturing Technology Research Institute, China
	Interaction Between Environmental Performance and Logistic System: A Case Study of International Company	Tatjana Tambovceva, Andrejs Tambovcevs Riga Technical University, Latvia
<b>11:00 11:15</b>	<b>Coffee Break</b>	
<b>11:15 15:00</b>	<b>Chair: Yohei Saika, Koyu Chinen</b>	<b>Session – IV (Oral Presentation) HALL B – August 22, 2012</b>
	Feature point detection by combining advantages of intensity-based approach and edge-based approach	Sungho Kim, Chaehoon Park, Yukyung Choi, Soon Kwon, In So Kweon Yeungnam University, South Korea
	MICOSim: A simulator for modeling economic scheduling in Grid computing	Mohammad Bsoul, Iain Phillips, Chris Hinde The Hashemite University, Jordan
	Study on Performance of Wigner Ville Distribution for Linear FM and Transient Signal Analysis	Azeemsha Thacham Poyil Taif University, Saudi Arabia, India

	An Automatic Sleep Spindle detector based on WT, STFT and WMSD	Joao Costa Escola Superior de Tecnologia de Setubal, Portugal
	Reduced-Reference Video Quality Measurement for HDTV Applications	C. Lee, G. Seo, J. Lee, H. Choi, S. Lee, J. Park, K. Lee, S. Yoon, J. Ok and S. Kim; Yonsei University, South Korea
	Definition of a Tunisian Foot Size Model using Kohonen Network	Khawla Ben Abderrahim ISIMG, Tunisia
	Novel GSM Position Tracking Using A Kalman Estimation Filter	Jean-Pierre Dubois, Jihad S. Daba, M. Nader, C. El Ferkh University of Balamand, Lebanon
	A New Design Partially Blind Signature Scheme Based on Two Hard Mathematical Problems	Nedal Tahat The Hashemite University, Jordan
	Mining Educational Data to Analyze the Student Motivation Behavior	Kunyanuth Kularbphetong Suan Sunandha Rajabhat University, Thailand
	The role of optical fiber to accelerate progress in developing countries	Farshad Seirafi, Behbood Maashkar, Fatemeh Noughani Shiraz Bahonar University, Shiraz, Iran
	Educational Robotics Constructivism and Modeling of ROBOTS Using Reverse Engineering	David G. Maxínez, Francisco Javier Sánchez Rangel, Guillermo Castillo Tapia, Petra Baldovinos Noyola, M. Antonieta García Galván, Moisés G Sierra Universidad Autónoma Metropolitana, México
	Analysis of information security professionals and training in Japan	Tatsuo Ide Graduate School of Global Information and Telecommunication Studies, Japan
	Fuzzy C-Means Clustering Algorithm for Voltage Stability in Large Power Systems	Mohamad Khaldi University of Balamand, Lebanon
	2-Dimensional Finger Gesture Based Mobile Robot Control Using Touch Screen	O. Ejale, N.B. Siddique, R. Seals The University of Greenwich, United Kingdom
	Some Design Issues in Designing of 50kw 50krpm Permanent Magnet Synchronous Machine	Ali A. Mehna, Mohmed A. Ali, Ali S. Zayed Azzawia University, Libya
	Analysis of Erratic Fluctuation of RCE at WiMAX RoF using 1310nm MQW DFB-LD Transmitter and APD-TIA Receive	Koyu Chinen, Shoko Nakamoto Okinawa National College of Technology, Japan
	EVM Simulation Using Various Nonlinear Models of Amplifier for WiMAX	Shoko Nakamoto, Koyu Chinen Okinawa National College of Technology, Japan
	Maximizer of the Posterior Marginal Estimate of Phase Unwrapping based on Statistical Mechanics of the Q-Ising Model	Yohei Saika, Tatsuya Uezu Gunma National College of Technology, Japan
<b>15:00</b>	<b>Lunch Break</b>	
<b>09:00 11:00</b>	<b>Chair: Shigenori Togashi</b>	<b>Session – V (Oral Presentation) HALL A – August 23, 2012</b>
	A Critics study of Neural Networks applied to ion-exchange process	John Kabuba, Antoine Mulaba, Kim Battle University of Johannesburg, South Africa
	Novel D- glucose Based Glycomonomers Synthesis and Characterization	M.S. Mazăre, A. M. Pană, L. M. Ștefan, M. Silion, M. Bălan, G. Bandur, L. M. Rusnac Faculty of Industrial Chemistry and Environmental Engineering, Romania
	Selective Separation of Lead and Mercury Ions from Synthetic Produced Water via a Hollow Fiber Supported Liquid Membrane	Sira Suren, Ura Pancharoen Chulalongkorn University, Thailand
	Application of Phytase Enzyme in the Feedstuffs	Yetti Marlida Faculty of Animal Science, Andalas University, Indonesia
	Leaching characteristics of upgraded copper flotation tailings	Mercy. M Ramakokovhu, Henry Kasaini, Richard. K.K Mbaya Tshwane University of technology, Republic of South Africa
	Leaching Behaviour of A Low-Grade South African Nickel Laterite	Catherine K. Thubakgale, Richard K.K. Mbaya, Kaby Kabongo Tshwane University of Technology, Republic of South Africa
	Flavonol Glycosides from Polygonum minus Huds	Raissa A. Muzychkina, Dmitry Yu. Korulkin Al-Farabi Kazakh National University, Kazakhstan
	Proteolytic degradation of Anchovy (Spolephorus spp.) proteins by halophilic proteinase from Halobacillus sp. SR5-3	Sirilak Namwong , Wonnop Visessanguan, Soottawat Benjakul, Somboon Tanasupawat Suan Sunandha Rajabhat University, Thailand
	Computer simulation of a protein with helix-hairpin coexisting state	Nan-Yow Chen National Center for High-Performance Computing, Taiwan

	Jatropha Bio- Diesel Production Technologies	Ebtisam K.Heikal , Salah A. Khalil, Ismaeil.K. Abdou Egyptian Petroleum Reseach Institute, Egypt
	Application of spectral pattern of heat exchanger scales to	Mohammad Kameli Research Institute of Petroleum Industries, Iran
	An Elin Load Tap Changer Diagnosis by DGA	H. Molavi, A. Zahiri, K. Anvarizadeh Niroo research Institute, Tehran, Iran
	Physiological Growth Indices in Sunflower under Irrigation Regimes	Seyed Alireza Valadabadi, Hossein Aliabadi Farahan Shahr-e-Qods Branch, Islamic Azad University, Tehran, Iran
	Combined Microwaves and Microreactors Plant	Shigenori Togashi, Mitsuhiro Matsuzawa HITACHI, Ltd., Hitachi Research Laboratory, Japan
<b>11:00 11:15</b>	<b>Coffee Break</b>	
<b>11:15 14:30</b>	<b>Chair: Inga Lapina, Lea Caragata</b>	<b>Session – VI (Oral Presentation) HALL A – August 23, 2012</b>
	The Modern Thai Design Patterns To Design Innovative Products	Supatra Lookraks Suansunandha Rajabhat University, Thailand
	Examination of the Perceptions and Attitudes of University Students and Academicians Regarding Bilingual Education: A Case from Hakkari	Mukadder Baran University of Hakkari, Turkey
	The Influence of Ancient Artifacts on Contemporary Culture (exemplified by the painting and sculpture of Kazakhstan)	Yerbol Kairanov, Arnur Karymsakov Kazakh National Academy of Arts named after T.Zhurgenov, Kazakhstan
	Two Culture’s Characters in Contemporary Kazakh Cinema	Baubek B. Nogerbek, Alma M. Aidarova Kazakh National Academy of Arts named after T. Zhurgenov, Kazakhstan
	Religious factor and state policy towards religious organizations in Republic of Kazakhstan	Gulnar Nasimova, Aliya Balpanova, Damira Sikhimbayeva, Bidas Moldakhmet Al-Farabi Kazakh National University, Kazakhstan
	The U.S. and Central Asia: Religion, Politics, Ideology	Zhanar Aldubasheva, Elnura Assyltayeva, Mukhtar Senggirbay, Gaziza Aldubashova Al-Farabi Kazakh National University, Kazakhstan
	Central Asia and Kazakhstan: in Search of Civic Identity	Elnura Assyltayeva, Zhanar Aldubasheva, Zhengisbek Tolen, Aliya Alimzhanova, Ziakul Assyltayeva Al-Farabi Kazakh National university, Kazakhstan
	Breaking The Mind-Set: Work-Family Conflict In Malaysian Perspective	Gouri, Domnic Jacob, Rosila Bee Mohd Hussain, Ali Boerhannoeddin University of Malaya, Malaysia
	The Effect of Perceived Organizational Support on Organizational Identification	Adnan Celik, Mehtap Findik Selcuk University, Turkey
	Effect of Leadership Approach to Organizational Commitment: A Study in Transportation Sector	Rifat Iraz, Kemalettin Eryesil Selcuk University, Turkey
	An appraisal of social network media use for online group-buying in South Africa	Zinia Erin Adriaanse, Samuel C. Avemaria Utulu, Kosheek Sewchurran University of Cape Town, South Africa
	Technology Integrated Education : Shaping the Personality and Social Development	R.Ramli, Sameon.S Universiti Tenaga Nasional, Malaysia
	Information Delivery and Advanced Traffic Information Systems in Istanbul	Rahime Gunay, Keyser Simsek Istanbul Metropolitan Municipality – Isbak Inc., Turkey
	The Relationship between the Palaces and the Buddhist Temples in Rattanakosin Period: Study on Wat Rajadhivas Vihara	Jaruphan Supprung Suan Sunandha Rajabhat University, Thailand
	The Importance of Theatrical Language in the Creativeness of The Actor	Ordabek Khozhamberdiyev Kazakh National Academy of Arts named after T. Zhurgenov, Kazakhstan
	Nomad Girls and the social problems they are facing in the new age and era	Fatemeh Noughani, Hassan Zandi ,Emad Sadat, Zahra Sadat Tehran university of medical sciences, Tehran, Iran
	A Study of Attitudes and Actions Related to Academic Dishonesty, Individual Difference Factors and Acceptance of Unethical Business Practices Among Accounting Students	Ahmad Hosseini, Barbara Lamberton Gulf University for Science and Technology, Kuwait
	Feeding Our Kids is Hard : Food Security, Poor Neighborhoods and Lone Moms in Toronto, Canada	Lea Caragata Institution Wilfrid Laurier University, Canada
	Corporate Social Responsibility and Creating Shared Value: Case of Latvia	Inga Lapina, Indra Borkus, Olga Starineca Riga Technical University, Latvia
<b>14:30</b>	<b>Lunch Break</b>	

August 23, 2012		Thursday
09:00 11:00	<b>Chair: Koeli Ghoshal</b>	<b>Session –VII (Oral Presentation) HALL B – August 23, 2012</b>
	Computational Study on Cardiac-Coronary Interaction in Terms of Coronary Flow-Pressure Waveforms in Presence of Drugs. Comparison Between Simulated and In Vivo Data	C. de Lazzari, E. Del Prete, I. Genuini, F. Fedele University "Sapienza" Rome, Italy
	Evaluation of newly developed Dot- ELISA system in comparison with plate ELISA for identification of Naja-naja sumatrana, and Calloselasma rhodostoma venom antigens in animal models	A.S.Sikarwar,S. Ambu, T .H. Wong International Medical University, Malaysia
	Model Parameters Estimating on Lyman-Kutcher-Burman Normal Tissue Complication Probability for Xerostomia on Head and Neck Cancer	Tsair-Fwu Lee, Hui-Min Ting, Pei-Ju Chao, Jing-Chuan Jiang, Min-Yuan Chao, Wen-Cheng Chen, Long-Chang Chen, Jia-Ming Wu National Kaohsiung University of Applied Sciences, Taiwan
	Antimicrobial effect of essential oil of plant Trigonella focnum greacum on some bacteria pathogens	Mehani Mouna, Ladjel Segni Kasdi Merbah, Algeria
	Eco-innovation as a New Sustainable Development Strategy: Case Studies	O. Çoban, N, Rozyyev, F. Karasioglu Selcuk University, Turkey
	Characterization of novel atrazine-degrading Klebsiella sp. Isolated from Thai agricultural soil	Sopid Sawangjit Suan Sunandha Rajabhat University, Thailand
	Colorant Extraction from Neurospora sp.	Jaruwan Chutrtong Suan Sunandha Rajabhat University, Thailand
	Hydrogen Production by Gasification of Biomass from Copoazu Waste	Emilio Delgado, Alis Yovana Pataquiva Mateus, William Aperador Universidad Militar Nueva Granada, Colombia
	Preparation and characterization of mesoporous activated carbon and its application in heterocatalytic Fenton oxidation organics in high saline wastewater	S. Karthikeyan, A.B.Mandal, C. Anandan, P. Maharaja, G. Sekaran Central Leather Research Institute, India
	Transcutaneous Inductive Powering Links Based on ASK Modulation Techniques	S. M. Abbas, M. A. Hannan, S. A. Samad, A. Hussain University Kebangsaan Malaysia, UKM, Malaysia
	Differential Gene Expression and Physiological Adaptation of Two Triticum aestivum Cultivars for Drought Acclimation	Mohamed M. Ibrahim, Ibrahim Alaraidh King Saud University, Saudi Arabia
11:00 11:15	<b>Coffee Break</b>	
11:15 14:30	<b>Chair: Jan Jezierski, Koeli Ghoshal</b>	<b>Session – VIII (Oral Presentation) HALL B – August 23, 2012</b>
	The Effect of Stress Biaxiality on Crack Shape Development	Osama A Terfas University of Tripoli, Libya
	Design of a Mould System for Horizontal Continuous Casting of Bilayer Aluminium Strips	Christoph Nerl Technische Universität München, Institute of Metal Forming and Casting, Germany
	Structure Improvement of Aluminothermic Welding Joints gy Using Modifiers	Mihai Brânzei, Tudor Coman University Politehnica of Bucharest, Romania
	Effect of variation of transmission-ratio in Pulverisitte-4 vario-ball-mill on synthesis of Y2W3O12	Satyabati Das, Siddhartha Das, Karabi Das Indian Institute of Technology,Kharagpur, India
	Chips of Ti-6Al-2Sn-4Zr-6Mo alloy – A detailed geometry study	D. Ostroushko, K. SaksI, C. Siemers, Z. Rihova Slovak Academy of Sciences, Institute of Materials Research, Slovakia
	Analyses of wear mechanisms occurring during machining of the titanium alloy Ti-6Al-2Sn-4Zr-6Mo	Z. Rihova, K. SaksI, C. Siemers, D. Ostroushko Slovak Academy of Sciences, Institut of Materials Reserch, Slovakia
	Extraction of Graphene-Titanium Contact Resistances using Transfer Length Measurement and a Curve-Fit Method	Johanna Anteroinen, Wonjae Kim, Kari Stadius, Juha Riikonen, Harri Lipsanen, Jussi Ryyänen Aalto University School of Electrical Engineering, Finland
	Another Convex Combination of Product States for the Bipartite Separable of Isotropic State	Wei-Chih Su National Center For High-performance Computing, Taiwan
	Feature-Based Machining Using Macro	M. Razak, A. Jusoh, A. Zakaria Universiti Kuala Lumpur Malaysian Spanish Institute, Malaysia
	Control of Microwave Plasma Generating System	Hmeda N. Hmeda, Abraham N. Jalita, Jalal Miladi Plasma Research laboratory, Libya
	Direction to Manage OTOP Entrepreneurship Based on Local Wisdom	Witthaya Mekhum Suan Sunandha Rajabhat University, Bangkok, Thailand

	Unrelated Parallel Machines Scheduling Problem Using an Ant Colony Optimization Approach	Yang Kuei Lin, Han Ting Hsieh, Feng Yu Hsieh Feng Chia University, Taiwan
	Transformation of Course Timetabling Problem to RCSP	M.Ahmad, M. Gourgand, C. Caux Université Blaise Pascal, France
	Framework for Spare Inventory Management	Eman M. Wahba, Noha M. Galal, Khaled S. El-Kilany Arab Academy for Science, Technology, and Maritime Transport, Egypt
	An Experimental Helicopter Wind Envelope For Ship Operations	R. Bardera Mora INTA, Spain
	Comparative Evaluation of Ice Adhesion Behavior	Tobias Strobl Technical University of Munich, Germany
	Enhancement of Impingement Heat Transfer on a Flat Plate with Ribs	M. Kito, M. Takezaki, T. Shakouchi, K. Tsujimoto, T. Ando Suzuka National College of Technology, Japan
	Experimental Investigation of Convective Heat Transfer and Pressure Drop of Al <sub>2</sub> O <sub>3</sub> /Water Nanofluid in Laminar Flow Regime inside a Circular Tube	H.Almohammadi, Sh.Nasiri Vatan, E.Esmaeilzadeh, A.Motezaker,A.Nokhosteen Department of Mechanical Engineering,University of Tabriz, Iran
	Effects of Dopant Concentrations on Radiative Properties of Nanoscale Multilayer with Coherent Formulation for Visible Wavelengths	S.A.A.Oloomi, M.Omidpanah Department of Mechanical Engineering, Yazd Branch, Islamic Azad University, Iran
	Analysis of Tool-Chip Interface Temperature with FEM and Empirical Verification	Mostafa Bagheri, Pegah Mottaghizadeh Amirkabir University of Technology, Iran
	Velocity Distribution in Open Channels: Combination of Log-law and Parabolic-law	Snehasis Kundu, Koeli Ghoshal Indian Institute of Technology, India
	The analysis of two-phase jet in pneumatic powder injection into liquid alloys	Jan Jezierski, Krzysztof Janerka Silesian University of Technology, Department of Foundry, Poland
<b>14:30</b>	<b>Lunch Break</b>	
<b>10:00 12:00</b>	<b>e-Session August 22-23, 2012 (HALL A – HALL B)</b>	
	An Eulerian Numeical Method and its Application to Explosion Problems	Li Hao, Yan Zhang, Jingan Cui Beijing University of Civil Engineering and Architecture, P.R.China
	Optimal Aggregate Production Planning with Fuzzy Data	Wen-Lung Huang, Shih-Pin Chen National Chung Cheng University, Taiwan
	Effect of Preheating Temperature and chamber Pressure on the Properties of Porous NiTi Alloy Prepared by SHS Technique	Sirikul Wisutmethangoon Prince of Songkla University, Thailand
	The Innovative Information System for Systemic Approach of the Sustainability in the Enterprise	Monica Izvercianu, Larisa Ivascu Politehnica University of Timisoara, Romania
	Effects of Cation Variables on Energetic Parameters and Heat Capacity of Lanthanide-Iron Double Oxides – R <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub>	V.Varazashvili, M.Tsarakhov, T.Pavlenishvili, T.Mirianashvili, T.Machaladze, M.Khundadze, N.Lejava I. Javakhishvili Tbilisi State University, Georgia
	Thermal Behavior of BaFeO <sub>3-δ</sub> Perovskite	T.Pavlenishvili, V.Varazashvili, N.Lezhava, T.Machaladze, M.Khundadze, M.Tsarakhov I. Javakhishvili Tbilisi State University, Georgia
	Binary mixture of copper-cobalt ions uptake by zeolite using Neural Network	John Kabuba, Antoine Mulaba, Kim Battle University of Johannesburg, South Africa
	Modeling of Co-Cu elution from clinoptilolite using Neural Network	John Kabuba, Antoine Mulaba-Bafubiandi University of Johannesburg, South Africa
	Research on the Protective Effect on Cerebral Ischaemia/reperfusion Injury of Picroside II	QingShan Liu Minzu University of China, China
	Graphical Approach for Targeting Work Exchange Networks	Hui Chen, Xiao Feng China University of Petroleum, China
	A Finite Element Analysis Validation for the Stress Distribution Obtained by a Device Used to Bend Metallic Structures	Cosmin Mihai Miritoiu University of Craiova, Faculty of Mechanics, Romania
	Evaluation Model for National Innovation Capability	Jeon Jeonghwan Gyeongsang National University, Republic of Korea
	Laboratory experiments: Influence of rainfall characteristics on runoff and water erosion	Moussouni, L. Mouzai, M. BouhadeF USTHB LEHYD Laboratory Faculty of Civil Engineering, Algeria
	Flow field analysis of submerged horizontal plate type breakwater	K. Wang , Z. Q.Zhang, Z.Chen Dalian University of Technology, China

Computational Analysis of Hemodynamic Effects on Aneurysm Coil Bundle	Woowon jeong, Kyehan Rhee Myongji University, South Korea
Determination of Volatile Organic Compounds in Human Breath by Optical Fiber Sensing	C.I.L. Justino, L.I.B. Silva, K. Duarte, A.C. Freitas, T.A.P. Rocha-Santos, A.C. Duarte ISEIT/Viseu (Instituto Piaget), and Department of Chemistry & CESAM (University of Aveiro), Portugal
Optical Fiber Sensor for Detection of Carbon Nanotubes	C.I.L. Justino, A.C. Freitas, T.A.P. Rocha-Santos, A.C. Duarte ISEIT/Viseu (Instituto Piaget), and Department of Chemistry & CESAM (University of Aveiro), Portugal
Hydrodynamic processes in Bubbly Liquid Flow in Tubes and Nozzles	Raisa Kh. Bolotnova, Marat N. Galimzianov, Andrey S. Topolnikov, Valeria A. Buzina, Uliana O. Agisheva Mavlutov Institute of Mechanics Ufa Branch of the Russian Academy of Sciences, Russia
The Nematode Fauna Dynamics Peculiarities of Highlands Different Ecosystems (Eastern Geprgia)	E.Tskitishvili, I.Eliava, T.Tskitishvili, N. Bagathuria, L. Zghenti, M. Gigolashvili Ilia State University, Georgia
Biomass and pigment production by Monascus during miniaturized submerged culture on adlay	Supavej Maniyom Heriot-Watt University, United Kingdom
Passive cooling of building by using solar chimney	Mehani Insaf, Settou Noureddine Université de Kasdi Merbah Ouargla, Algeria
Production du biocarburant à partir des déchets des dattes	Mehani Insaf, Bachir Bouchkima Kasdi Merbeh University, Algeria
Porous Ni and Ni-Co Electrodeposits for Alkaline Water Electrolysis – Energy Saving	Herraiz-Cardona, C. González-Buch, E. Ortega, V. Pérez-Herranz, J. García-Antón Universidad Politécnica de Valencia, Spain
Career Counseling Program for the Psychological Well-Being of Frehmen University Students	Sheila Marie M. Guevarra-Hocson Far Eastern University & University of Santo Tomas, Philippines
From Mother Tongue Education to Multilingual Higher Education	Mario Roberto Acevedo Amaya Universidad Nacional Autonoma de Honduras, Honduras
An Optimization of Orbital Transfer for Spacecrafts with Finite-thrust Based On Legendre Pseudospectral Method	Zhingang Wang, Xiang Chen Northwestern Polytechnical University., P.R. China
3D Modeling of Temperature by Finite Element in Machining with Experimental Authorization	Pegah Mottaghizadeh, Mostafa Bagheri Amirkabir University of Technology, Iran
Robotics, Education & Economy	David G. Maxínez, A. Ferreyra Ramírez, Ismael Echenique Álvarez, Francisco Javier Sánchez Rangel, Guillermo Castillo Tapia, Petra Baldivia Noyola, María Antonieta García Galván Universidad Autónoma Metropolitana, México
Application of Computational Methods MM2 and Gaussian for Studying Unimolecular Decomposition of Vinyl Ethers Based on the Mechanism of Hydrogen Bonding	Behnaz Shahrokh National Academy of Sciences- Institute of Chemical Physics, Armenia
Electronic Transport Studies of Bulk GaP, InP and $[(Ga)_x(In)_{1-x}]P$ . Based on an Ensemble Monte Carlo Calculation Including Three-valley Band Structure Model	N. Massoum, B. Bouazza, H. Tahir, C. Sayah Université Abou-Bakr Belkaid-Tlemcen Faculté de Technologie Département de Génie Electrique, Electronique, Algerie
Semiclassical three-valley Monte Carlo simulation analysis of steady-state and transient electron transport within bulk $[(Ga)_{0,38}In_{0,62}]P$	N. Massoum, B. Bouazza, H. Tahir, C. Sayah Université Abou-Bakr Belkaid-Tlemcen Faculté de Technologie Département de Génie Electrique, Electronique, Algerie
Importance of Pastoral Human Factor Overloading in Land Desertification: Case Studies in Northeastern Libya	Abdelsalam Omran Gebril; Ali Gh Saeid Benghazi University, Libya
An Automated Test Setup for the Characterization of Antenna in CATR	Faisal Amin, Abdul Mueed, Xu Jia-dong Northwestern Polytechnical University, P.R.China
High Order Accurate Runge Kutta Nodal Discontinuous Galerkin Method for Numerical Solution of Linear Convection Equation	Faheem Ahmed, Fareed Ahmed, Yongheng Guo, Yong Yang Northwestern Polytechnical University, China
Characterization of silver nanocatalysts on carbon nanotubes and graphene-based electrodes in alkali electrolytes	C.-T. Hsieh, W.-Y. Chen, J.-M. Wei Yuan Ze University, Taiwan, R.O.C.
Fabrication and catalytic activity of Pt nanoclusters on carbon nanotube and graphene-based electrodes	C.-T. Hsieh, W.-Y. Chen, J.-M. Wei Yuan Ze University, Taiwan, R.O.C.
Study on the Optimization of Completely Batch Water-using Network with Multiple Contaminants Considering Flow Change	Jian Du, Shui Hong Hong, Lu Meng, Qing Wei Meng Dalian University of Technology, P.R.China
In vitro and experimental screening of mangrove herbal extract against Vibrio alginolyticus infection in marine ornamental fish	N.B.Dhayanithi, T. T. Ajith Kumar, T. Balasubramanian Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, India
Applications of Carbon Fibers Produced from Polyacrylonitrile Fibers	R. Eslami Farsani, R. Fazaeli South Tehran Branch, Islamic Azad Unuversity, Iran

	Influence of Number parallels paths of a Winding on Overvoltage in the Asynchronous Motors Fed by PWM-converters	Belassel Mohand Tahar University of Tizi-Ouzou, Algeria
	Is the use of social networking sites correlated with internet addiction? Facebook Use among Taiwanese College Students	Sen-Chi Yu, Wei-Hsin Hsu, Min-Ning Yu, Hao-Yi Hsu National Taichung University of Education, Taiwan, R.O.C.
	<b>Technical Equipment</b> 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