



e-ISSN: 1307-6892
www.waset.org

INTERNATIONAL CONFERENCE OBJECTIVE

The objective of the international conference is to bring together leading scientists, researchers, scholars and practitioners from academia and industry to present their recent momentous scientific advances & findings and discuss future trends, directions and new challenges in science, engineering and technology. The international conference is an interdisciplinary, multidisciplinary crossdisciplinary & transdisciplinary organization of a number of specific conference themes and topics; and the high impact papers in each session are drawn from a number of disciplines.



INTERNATIONAL CONFERENCE PROGRAMME

BARCELONA, SPAIN OCTOBER 14-15, 2013

NH Calderón Hotel, Rambla Catalunya 26, 08007 Barcelona, Spain
Tel:++34 93 301 00 00 Fax:++34 93 302 44 89

INTERNATIONAL SCIENTIFIC COMMITTEE

- | | |
|-------------------------|------------------------|
| A-Ur-Rahman Saljoki, PK | Krzysztof Stypula, PL |
| 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 |
| Edison Muzenda, ZA | Peter Pivonka, AU |
| Eric T T Wong, HK | Pavel Selyshehev, ZA |
| Giovanni Incerti, IT | Quoc-Nam Tran, US |
| Igor Astrov, EE | S. M. A. Burney, PK |
| James. A. Nelson, US | Sabrina Fawzia, AU |
| Jesuk Ko, KR | Simon Brown, AU |
| Joanna Dulinska, PL | S. Venkatraman, AU |
| Karen Armstrong, CA | Tatyana Boikova, LV |
| Kenan Matawie, AU | Wang Zhigang, US |
| Kenneth Revett, UK | Zarita Zainuddin, MY |
| Kevin F.R. Liu, TW | 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 congress 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 SCIENTIFIC COUNCIL

PO Box 3151 NMSU, Las Cruces, NM
88003-3151, USA, Phone:++971559099620
url:www.waset.org email:info@waset.org

INTERNATIONAL CONFERENCE CALENDAR

Dubai	October 22-23, 2013	Zurich	January 14-15, 2014
Bali	October 30-31, 2013	London	January 20-21, 2014
Hong Kong	October 30-31, 2013	Dubai	January 30-31, 2014
Paris	November 06-07, 2013	Kualalumpur	February 14-15, 2014
Venice	November 14-15, 2013	Barcelona	February 27-28, 2014
Capetown	November 20-21, 2013	Rio de Janeiro	February 27-28, 2014
Pattaya	November 25-26, 2013	Dubai	March 05-06, 2014
Malaga	November 28-29, 2013	Miami	March 13-14, 2014
Dubai	December 02-03, 2013	Madrid	March 28-29, 2014
Istanbul	December 05-06, 2013	Venice	April 14-15, 2014
Bangalore	December 05-06, 2013	Paris	April 29-30, 2014
Penang	December 16-17, 2013	Amsterdam	May 15-16, 2014
Melbourne	December 16-17, 2013	Berlin	May 22-23, 2014
Bangkok	December 24-25, 2013	Montreal	May 26-27, 2014
Phuket	December 26-27, 2013	Tokyo	May 30-31, 2014
Paris	December 30-31, 2013	New York	June 05-06, 2014

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.

CONFERENCE REGISTRATION
October 14, 2013 from 07:45am to 12:00pm
October 15, 2013 from 07:45am to 12:00pm

Time	Paper Title	Authors
08:00 11:00	Chair: Rusudan Seturidze, Batin Latif Aylak	Session – I (Oral Presentation) HALL A – October 14, 2013
	A Two-Stage Approach for Plastic Injection Molding Machine Scheduling Problem	Aydin Sipahioglu, Tugba Sarac, Emine Akyol Eskisehir Osmangazi University, Turkey
	Pricing Strategy Selection using Fuzzy Linear Programming	Elif Alaybeyoğlu, Y. Esra Albayrak Galatasaray University, Turkey
	Simulation Model of an Ultra-Light Overhead Conveyor System; Analysis of the Process in the Warehouse	Batin Latif Aylak, Bernd Noche, M. Baran Cantepe, Aydin Karakaya University of Duisburg-Essen, Germany
	TPM in Large Enterprises: Study Results	Katarzyna Antosz, Dorota Stadnicka Rzeszow University of Technology, Poland
	Facility Location Problem in Emergency Logistic	Yousef Abu Nahleh , Arun Kumar, Fugen Daver RMIT University, Australia
	From "Boat to Plate": Creating Value through Sustainable Fish Supply Chain Visibility	Isabel Duarte de Almeida (Universidade Lusíada), João Vilas-Boas (ISCTE-IUL/BRU) Portugal
	Creative Teaching of New Product Development to Operations Managers	Joao Vilas-Boas da Silva (ISCTE-IUL/BRU), Isabel Duarte de Almeida (Universidade Lusíada) Portugal
	The Loyalty of Banks' Employees in the Context of the Acceptance of Clients' Needs and Their Own Productivity. A Case Study from the Czech and Slovak Republic	Jaroslav Belas, Eva Cipovova, Marcel Holec Tomas Bata University in Zlin, Czech Republic
	Does Distribution of Accruals Changes with Different Payment Morality? Empirical Study from the Czech Transportation Industry	Lubor Homolka Tomas Bata University, FaME, Czech Republic
	Inflation Shock on Stochastic General Macroeconomic Equilibrium	Malid Benallegue, Charazed Boubrik, Sami Chahid, Pierre Martin, Juliette Sens, Ouidad Tahiri Jotey ECE Paris School of Engineering, France
	A Simple Evaluation of Credit Default Swaps	Laurie Hontarrede, Marie Beauvallon ECE Paris School of Engineering, France
	The European Union's Generalized System of Preferences (GSP) and the Prospect of a Unified Database	I. Meskhia, R. Seturidze I. Javakhishvili Tbilisi State University, Georgia
	Standard Deviation, Returns and Annualized Measures: The Case of Dubai Islamic Bank	Ikhlaas Gurrib Canadian University of Dubai, United Arab Emirates
	Investments Attractiveness via Combinatorial Optimization Ranking	Ivan Mustakerov, Daniela Borissova Institute of Information and Communication Technologies, Bulgaria
	Innovation Culture – Determinant of Firms' Sustainability	Loreta Losane Riga International School of Economics and Business Administration, Latvia
	Best Practices of Incubators in Europe: A Case Study	Hanadi Mubarak AL-Mubarak, Ali Husain Muhammad Kuwait University, Kuwait
11:00 11:15	Coffee Break	
11:15 13:00	Chair: Abbas Al-Omari, Zain Al-Houri	Session – II (Oral Presentation) HALL A – October 14, 2013
	The Evaluation of Load-Bearing Capacity of the Planar CHS Joint Using Finite Modeling	Anežka Jurčíková, Miroslav Rosmanit VŠB-Technical University of Ostrava, Czech Republic
	Experimental Testing of Statistical Size Effect in Civil Engineering Structures	Jana Kaderova, Miroslav Vorechovsky Brno University of Technology, Czech Republic
	Integrated Water Management for Lafarge Cement-Jordan	Azzam Hamaideh, Abbas Al-Omari, Michael Sturm The University of Jordan, Jordan
	The Potential of Roof Top Rainwater Harvesting as a Resource in Jordan: Featuring Two Application Case Studies	Zain Al-Houri, Oday K. Abu Hadba, Khaled Hmdan Applied Science University, Jordan
	Lateral-Torsional Buckling of Glass Members	Ondřej Pešek, Jindřich Melcher Brno University of Technology, Czech Republic

	Stabilization of Steel Beams of Monosymmetric Thin-Walled Cross-Section by Trapezoidal Sheeting	Ivan Balazs, Jindrich Melcher Brno University of Technology, Czech Republic
	Limite State of Trapezoidal Metal Sheets Exposed to Concentrated Load	Kateřina Jurdová Brno University of Technology, Czech Republic
13:00	Lunch Break	
08:00 11:00	Chair: Jaroslav Polec, Keizo Watanabe	Session – III (Oral Presentation) HALL A – October 15, 2013
	Problem Based Learning in B.P Koirala Institute of Health Sciences	Gurung S., Yadav B. N., Budhathoki S. S. BP Koirala Institute of Health Sciences, Nepal
	Issues in the User Interface Design of a Content Rich Vocational Training Application for Digitally Illiterate Users	Jamie Otelsberg, Nagarajan Akshay, Rao R. Bhavani AMMACHI Labs, Amrita Vishwa Vidyapeetham, India
	A Content-Based Optimization of Data Stream Television Multiplex	Jaroslav Polec, Martin Šimek, Michal Martinovič, Elena Šikudová Slovak University of Technology, Slovakia
	An Investigation of the Impact of Modes of Communication on Software Development Projects	Richard Ens Stevens Institute of Technology, USA
	Micro Hydro Power Generation	Kashif Imdad HITEC University, Pakistan
	Key Frames Extraction for Sign Language Using Visual Attention Approach	Petra Heribanova, Julia Kucerova, Jaroslav Polec Slovak University of Technology, Slovakia
	Algorithm Based Enhancement for Imaging-Type Two-Dimensional Spectroscopy	Pradeep K. W. Abeygunawardhana, Wei Qi, Satoru Suzuki, Ichirou Ishimaru, Akira Nishiyama Kagawa University, Japan
	On One Mathematical Model for Filtration of Weakly Compressible Chemical Compound in the Porous Heterogeneous 3D Medium. Part I: Model Construction with the Aid of the Ollendorff Approach	Sharif E. Guseynov, Jekaterina V. Aleksejeva, Janis S. Rimshans Liepaja University, Latvia
	K-Best Night Vision Devices by Multi-Criteria Mixed-Integer Optimization Modeling	Daniela Borissova, Ivan Mustakerov Institute of Information and Communication Technologies, Bulgaria
	The Influence of Internal and External Damping on Turbocharger Stability	Zdeňka Rendlová University of West Bohemia, Czech Republic
	Effect of Fully Submerged Vegetation on Turbulence Structure	Pasquino, De Felice, Dell'Orfano, Gualtieri, Pulci Doria, Vittorio Pasquino Università degli Studi di Napoli "FEDERICO II", Italia
	Drag Reduction of Bio-Fiber Suspensions	Keizo Watanabe, Satoshi Ogata Tokyo Metropolitan University, Japan
	Parametric Analysis of Entropy Generation for Turbulent Convective Forced Flow Through Spiral Passages Subjected to Constant Wall Temperature	Faraj El-Sagier Tripoli University, Libya
	An Energy Evaluation of a Maisotsenko Evaporative Cooler Based On Cylinder Geometry	Emmanuel D. Rogdakis, Irene P. Koronaki, Dimitrios Nik. Tertipis, Alexandros C. Mustafa National Technical University of Athens, Greece
11:00 11:15	Coffee Break	
11:15 13:00	Chair: Keizo Watanabe	Session – IV (Oral Presentation) HALL A – October 15, 2013
	Mathematical Modeling of Uncompetitive Inhibition of Bi-Substrate Enzymatic Reactions	Rafayel Azizyan Yerevan State University, Armenia
	Hemostasis Poly Vinyl Alcohol Gauze Coated with Chitosan Encapsulated with Polymer and Drug	Abhishekkumar Ramasamy Madurai Medical College, India
	Modeling of CO ₂ Solubility in Deep Eutectic Solvents	Emad Ali, Inas Alnashef, Mohamed Hadj Kali, Sarwono Mulyono King Saud University, Saudi Arabia
	Energy Demand and Emission Analysis of Lahore Industrial Area Using LEAP Model	Sheikh Saeed Ahmad Fatima Jinnah Women University, Pakistan
	Revision of Genus <i>Polygonum</i> L. s. l. in Flora of Armenia	Hasmik Ter-Voskanyan Institute of Botany NAS RA, Armenia
	Ribbon Beam Antenna for RFID Technology	Tomáš Zálabský, Pavel Bezoušek, Tomáš Shejbal University of Pardubice, Czech Republic
	Remote Control Software for Rohde & Schwarz Instruments	T. Shejbal, M. Petkov, J. Pidanic, Z. Nemeč, T. Zálabský University of Pardubice, Czech Republic

	Data Mining Process to Improve the Inspections of a Power Utility	Iñigo Monedero, Félix Biscarri, J.I. Guerrero, Eva María Mestres, Juan María Jubani, Carlos León University of Seville, Spain
	Investigation of Hydraulic and Thermal Performances of Fin Array at Different Shield Positions Without By-Pass	Ramy Hamdy Mohammed Zagazig University, Egypt
	TGF- β 1-Modulated the Biological Activity of Stem Cells from Human Apical Papilla: Role of ALK5 and MEK1	Mei-Chi Chang, Hsiao-Hua Chang, I-Hua Wu, Jjiang-Huei Jeng Chang Gung University of Science and Technology, Taiwan
	Implementation of a Real-Time ARM Microprocessor Based Gait Recording and Analyzing System with ZigBee WirelessProtocol	Ahmet Yardimci Akdeniz University, Turkey
	Effect of Sewage from Chemical Toilets on Cattle Manure Methane Fermentation Process	Marcin Dębowski, Marcin Zieliński, Mirosław Krzemieniewski University of Warmia and Mazury in Olsztyn, Poland
	Use of Hydrothermal Depolymerization and Enzymatic Hydrolysis of <i>Miscanthussinensis</i> Biomass for Improving of Methane Fermentation Process Efficiency	Marcin Zieliński, Marcin Dębowski, Mirosław Krzemieniewski University of Warmia and Mazury in Olsztyn, Poland
	Effect of Dentin Bonding Agents, Resin Monomers and Silica on Dental Pulp Cells	Jjiang-Huei Jeng, Mei-Chi Chang, Ru-Hsiu Cheng, Po-Yuan Jeng National Taiwan University Hospital and National Taiwan University Medical College, Taiwan
	Use of a Simple Respiratory Pump Model for Assessing Airway Resistance Changes among Patients during the Reversibility Test	Aicha Laouani, Pascale Calabrese, Pierre Baconnier, Saad Saguem Faculty of Medicine of Sousse, Tunisia
	Production of Chiral Pharmaceutical Intermediates Using Vegetables as Biocatalysts	Hilal Celik Kazici Ankara University, Turkey
	Batch and Continuous Packed Column Studies Biosorption by Yeast Supported onto Granular Pozzolana	Djafer Abderrahmane Laboratoire eau et Environnement Université Hassiba Ben Bouali, Algeria
	Study of Methylene Blue Dye Adsorption Onto Activated Carbons from Olive Stones	L. Temdrara, A. Khelifi, A. Addoun Université Hassiba Benbouali de Chlef, Algeria
13:00	Lunch Break	

REMARK: For e-poster presentations, we kindly ask the presenters to prepare a **short electronic presentation (NO PRINT OUT)** for their e-posters as scheduled **at the end of oral presentations**. The electronic e-poster presentations will last in 5 min including discussions.

Technical Equipment 1- Laptop Computer 2- LCD Data Projector 3- USB Flash Drive – Memory (CD/DVD-ROM Drive is NOT available)	4- PowerPoint Presentation Remote with Laser Pointer 5- PowerPoint Presentation/ Acrobat Reader Software 6- Each Technical Presentation is 20 Minutes including Discussions
--	---