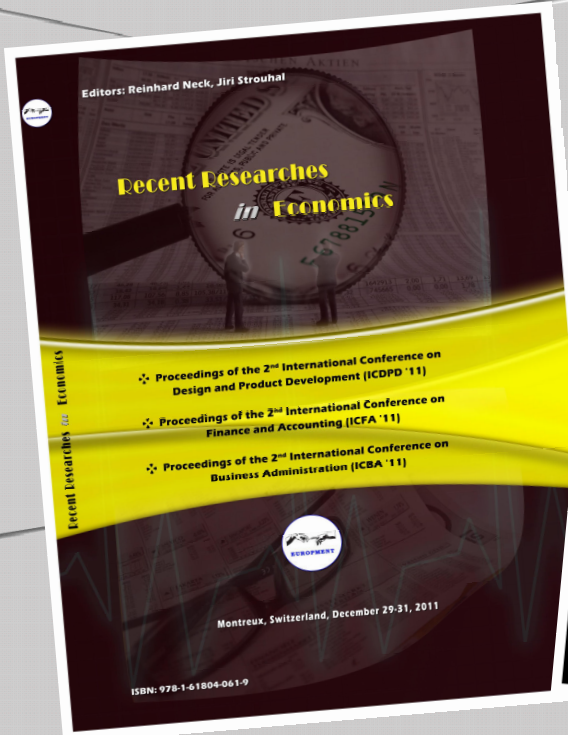


Conference Program



**Montreux, Switzerland
December 29-31, 2011**

Important Notes:

- (1) You may register at any time during the conference.
- (2) The Invoice of payment can be collected at the registration desk at any time.
- (3) The Certificate of Participation can be collected at the registration desk only after your presentation.
- (4) Session chairmen can ask for a special Certificate at the registration desk after the session
- (5) The duration of a presentation slot is 20 minutes for a regular paper and 45 minutes for a plenary speech, including questions.
- (6) All authors should give their biographies to the chairmen before the beginning of the session.
- (7) Authors can upload their presentations to the available computers 10 minutes before the beginning of their session.

16th WSEAS International Conference on APPLIED MATHEMATICS (AMATH '11)

**5th WSEAS International Conference on COMPUTATIONAL CHEMISTRY
(COMPUCHEM '11)**

**7th WSEAS International Conference on CELLULAR and MOLECULAR BIOLOGY,
BIOPHYSICS and BIOENGINEERING
(BIO '11)**

**9th WSEAS International Conference on ENVIRONMENT, ECOSYSTEMS and
DEVELOPMENT (EED '11)**

**10th WSEAS International Conference on CIRCUITS, SYSTEMS, ELECTRONICS,
CONTROL & SIGNAL PROCESSING (CSECS '11)**

**7th WSEAS International Conference on APPLIED and THEORETICAL
MECHANICS(MECHANICS '11)**

2nd European Conference for the Applied Mathematics and Informatics (AMI '11)

2nd International Conference on Bioscience and Bioinformatics (ICBB '11)

2nd International Conference on Arts and Culture (ICAC '11)

2nd International Conference on Design and Product Development (ICDPD '11)

**2nd International Conference on Finance and Accounting
(ICFA '11)**

**2nd International Conference on Business Administration
(ICBA '11)**

2nd International Conference on Automotive and Transportation Systems (ICAT '11)

**Montreux, Switzerland
December 29-31, 2011**

Dear colleague,

The WSEAS staff welcome you to another prestigious event.

Since 1996, the World Scientific and Engineering Academy and Society has proudly organized a vast number of successful conferences and published the work of hundreds of scientists from all over the world. We and our affiliates EURO-SIAM and EUROPMENT would like to express our sincere gratitude to you for helping us continue our mission by honoring us with your presence in this conference.

WSEAS publications have succeeded in joining most important International Scientific Indexes and Libraries. Thanks to our latest efforts of adopting strict deadlines and a more rigorous review process, the quality of our proceedings and journals is continuing to rise exponentially.

We trust that you will enjoy discussing the latest scientific developments with your peers during these three days, and that you will find your stay as pleasant as possible.

The WSEAS Team

Thursday December 29th 2011

Registration: 08:00-09:00

Conference Room: A

Time: 09:00-09:45

Keynote Lecture:



Continues Wavelet Transform for Extraction of Topographic Features from High-Resolution Digital Elevation Model

by Assoc. Prof. Vahid Nourani, University of Minnesota, USA.

Conference Room: B

Time: 09:00-09:45

Plenary Lecture 1:



Relational Algebra Applications in Web Programming

by Prof. Mirela-Catrinel Voicu, West University of Timisoara, ROMANIA.

Conference Room: C

Time: 09:00-09:45

Plenary Lecture 2:



The Effects of Public Life on Interior Space Organizations

by Assist. Prof. Gozen Guner Aktas, TOBB ETU University, TURKEY.

Thursday December 29th 2011

Conference Room: A

Time: 09:45-10:30

Plenary Lecture 3:



Magnetic Stimulation Can Modulate Seizures in Epileptic Patients
by Prof. Photios Anninos, Democritus University of Thrace, GREECE.

Conference Room: B

Time: 09:45-10:30

Plenary Lecture 4:



Heritage Tourism as a Tool of Development
by Prof. Rui Antonio Rodrigues Ramos, University of Minho,
PORTUGAL.

Conference Room: C

Time: 09:45-10:30

Plenary Lecture 5:



**Interrelations Among Cultural Identity, Place Identity and
Environmental Design**
by: Asst. Prof. Nur Ayalp, TOBB ETU University, TURKEY.

Coffee Break: 10:30-11:00

Thursday December 29th 2011

Conference Room: A

Time: 11:00-13:00

BIO-ICBB-COMPUCHEM Session: Biology, Biochemistry and Computational Chemistry

Chair: Yi Liang, Photios Anninos

The Contrasting Effect of Macromolecular Crowding on Protein Misfolding	Jun-Bao Fan, Zheng Zhou, Jie Chen, Zheng-Zong Yang, Yi Liang	669-170
Magnetic Stimulation Can Modulate Seizures in Epileptic Patients	P. Anninos, A. Kotini, A. Adamopoulos, N. Tsagas	669-106
Protein Fluorescence Database	Cynthia N. Prudence, Brad Boudreau, Yana K. Reshetnyak	513-200
Lupine Protein Hydrolysis using Fermented Whey	Stepan Hubalovsky, Jiri Jelinek, Milos Jelinek, Karel Kolomaznik	669-286
Comparison of Possible Conformations and Conformational Preferences of the Z and E Isomers of Caespitate	Liliana Mammino, Mwacham M. Kabanda	669-265

Conference Room: B

Time: 11:00-13:00

CSECS Session: Signal Processing: Theory and Applications

Chair: Asim Khan, Hyoungseop Kim

Digital Image Watermarking Technique Based On Discrete Wavelet Transform	Asim Ali Khan, Parul Gupta	669-354
Multiple Objects Tracking Method based on Particle Filter	Budi Sugandi, Hyoungsep Kim, Joo Kooi Tan, Seiji Ishikawa	669-211
Hybrid Optimization Technique for the Design of Digital Differentiator	Damanpreet Singh, Ranjit Kaur	669-116
A Brief Review of Vision Based Hand Gesture Recognition	Georgiana Simion, Vasile Gui, Marius Ottesteanu	669-364
Diphone-Based Concatenative Speech Synthesis Systems for Arabic Language	Hazem M. El-Bakry, M. Z. Rashad, Islam R. Isma'il	669-282
An Image Tracking System for PTZ Cameras Using OpenCV	Sang Gu Lee	669-377

Thursday December 29th 2011

Conference Room: C

Time: 11:00-13:00

ICAC-EED Session: Urban Development, Art and Cultural Identity

Chair: Rui Ramos, Omidreza Saadatian

Social and Cultural Changes that Prepare Contemporary Shopping Centers in Turkey	Gozen Guner Aktas	513-092
Cultural Identity and Place Identity in House Environment: Traditional Turkish House Interiors	Nur Ayalp	513-202
Application of Advanced Glazing to Mid-Rise Office Buildings in Malaysia	S. Sadrzadehrafiei, K. Sopian S. Mat, C. Lim	669-325
Sustainable Development in Malaysia- Planning and Initiatives	Omidreza Saadatian, Lim Chin Haw, Sohif Bin Mat, Kamarozzaman Sopian, Masoud Dalman, Elias Salleh	669-299
A Proposed Methodology for Understanding Urban Growth Pattern: A Case Study in Siem Reap, Cambodia	Chanvoleak Ourng, Daniel S. Rodrigues, Ligia T.Silva, Rui A. R. Ramos	669-349
Circulation Environment in Urban Spaces for Pedestrians with Mobility Constraints: A Case Study in Braga, Portugal	Daniel S. Rodrigues, Carolina L. Neiva, Rui A. R. Ramos	669-351

Break: 13:00-14:00

Conference Room: A

Time: 14:00-16:00

AMI Session: Advances on Applied Mathematics I

Chair: Hideki Sano, Panagiotis Tsikouras

Feedback Stabilization of an Unstable ODE Plant with a Diffusion Process in the Actuation Path: An RMF Approach	Hideki Sano	151-115
On the Zeros Location of Daubechies Biorthogonal Wavelets	Jalal Karam	151-099
Counting Strings in Dyck Paths Using the Goulden-Jackson Cluster Method	K. Manes, A. Sapounakis, I. Tasoulas, P. Tsikouras	151-151
Numerical Method for Handling the Interface Conditions in Equations of Elasticity	M. Michaeli, F. Assous	151-119
The Solution of Differential Equation Describing the Evolution of a Key Agreement Protocol	Panayotis E Nastou, Yannis C Stamatiou, Apostolos Tsiakalos	151-104
Strong Convex Dominating Sets in Graphs	T. N. Janakiraman, P. J. A. Alphonse	151-095

Thursday December 29th 2011

Conference Room: B

Time: 14:00-16:00

CSECS Session: Circuits Analysis and Applications

Chair: Hitoshi Kijima, Jiri Drinovsky

Pulse Shaping Method using Bridge Tap for Fast Transient Burst Test Generator	Hitoshi Kijima, Koji Ochi	669-316
Dynamic Data Selection for the Particle Swarm Optimization of Filter Circuitry	Jiri Drinovsky, Jiri Zachar, Vaclav Ruzek	669-361
Design of Wide-Range Transceiver	Kangjik Kim, Kisang Jung, Guihan Ko, Wonki Park, Sungchul Lee, Seongik Cho	669-345
Earthing Resistance Tester developed using Resonant Circuit Technology with No Auxiliary Electrodes	Kazuo Murakawa, Masanobu Machida, Hideshi Ohashi, Hitoshi Kijima	669-315
200M-4Gbps Wide-Range Clock and Data Recovery Circuit	Kisang Jung, Kangjik Kim, Guihan Ko, Wonki Park, Sungchul Lee, Seongik Cho	669-344
The Identification of Aircraft Sensor Fault Size via Fuzzy Logic	Emre Kiyak, Fikret Caliskan	669-113

Conference Room: C

Time: 14:00-16:00

EED Session: Environment and Development

Chair: Rui Ramos, Anna Gabriela Perez

Motivational Justification on CdSe QDs Synthesis and Characterization	Charles Ahamefula Ubani, M. Y. Sulaiman, Z. Ibarahim, N. B. Ibrahim, M. Y. Othman, C. H. Lim	669-370
Impact of Glass Cullet on the Consumption of Energy and Environment in the Production of Glass Packaging Material	Miroslav Kovacec, Ana Pilipovic, Nedeljko Stefanic	669-320
Recycling of Glass Packaging in Republic of Croatia	Miroslav Kovacec, Natasa Tosanovic, Nedeljko Stefanic	669-323
Development of Computation of Fundamental Elements of Power Systems	Jana Jirickova	669-367
Electric Vehicle and Conventional Vehicle. Urban Air Pollution Assessment	Andreia Vale, Ligia T. Silva, Daniel S. Rodrigues, Rui A. R. Ramos	669-348
Methodological Proposal for the Purchasing Availability Measurement of Telecommunications Services in Venezuela	Anna Gabriela Perez, Margareth Marquez, Luis Nava Puente, Francklin Rivas Echeverria	669-196

Coffee Break: 16:00-16:30

Thursday December 29th 2011

Conference Room: A

Time: 16:30-18:30

AMATH Session: Mathematical Models and Computational Techniques

Chair: Carolina Ribeiro, Mirela Catrinel Voicu

Fractional Viscoelastic Models on Time Scales	C. Ribeiro, P. J. Antunes	669-368
An Impact of Taxation on a Fishery Bio-Economics Model	Rawee Suwandechochai, Kornkanok Bunwong, Tawatchai Petaratip, Elvin J. Moore	669-126
A Phytoplankton Bloom Model with Seasonal Nutrient Input	Wichuta Sae-Jie, Kornkanok Bunwong, Elvin J. Moore	669-255
Websites with Data from Maps	Floarea Nastase, Mirela Catrinel Voicu	669-335
Mathematical Vector Models as a Basis Computer Aided Design	Josef Sedivy	669-347

Conference Room: B

Time: 16:30-18:30

ICFA Session: Financial Planning and Accounting

Chair: Ali Saeedi, Mirela Mazilu

The Determinants of Capital Structure: Evidence from an Emerging Market	Ali Saeedi, Iman Mahmoodi	513-113
Business Restructuring as a Way to Improve Financial Position of Company	Inese Mavlutova	513-099
Study on Consumers' Perceptions of Fiscal Policy Efficiency in Romania	Larissa-Margareta Batrancea, Ramona-Anca Nichita, Ioan Batrancea, Andrei Moscviciov	513-093
Retail Core Banking Services Information Asymmetry Case Study Using the Small Market Model Adjustment	Martina Hedvicakova, Ivan Soukal, Jan Draessler	513-097
Research of the Influence of Advertising and Background Music to the Marketability of the Product	Martina Hedvicakova, Jan Nemecek	513-087
Foundation of Production Program Development in the Conditions of Existing Equipment's Constraints	Tanase Loredana, Radu Mariana, Voinea Maria Cristina, Ionescu Luiza	513-106

Friday December 30th 2011

Conference Room: A

Time: 09:00-09:45

Plenary Lecture 6:



Design/Development of New Adsorbents from Waste Materials within an Industrial Ecology Framework

by Assoc. Prof. Dimitris Sidoras, University of Piraeus, GREECE.

Conference Room: B

Time: 09:00-09:45

Plenary Lecture 7:



Statistical Techniques for Virtual Sensors Design using Neural Networks

by Prof. Francklin Rivas-Echeverria, Universidad de Los Andes, VENEZUELA.

Conference Room: A

Time: 09:45-10:30

Plenary Lecture 8:



Analytical solutions of eddy current problems for media with varying electric and magnetic properties

by Prof. Andrei Kolyshkin, Riga Technical University, LATVIA

Friday December 30th 2011

Conference Room: B

Time: 09:45-10:30

Plenary Lecture 9:



Protective System Reliability Enhancement in Smart Power Grid
by Prof. Hamid Bentarzi, Boumerdes university, ALGERIA.

Conference Room: C

Time: 09:45-10:30

Plenary Lecture 10:



Globalisation-Tourism A Model From Green Economy
by Prof. Mirela Mazilu, University of Craiova, ROMANIA.

Coffee Break: 10:30-11:00

Conference Room: A

Time: 11:00-13:00

AMATH Session: Latest Researches in Applied Mathematics

Chair: Azizollah Babakhani, Andrei Kolyshkin

Existence and Uniqueness of Solution for Some Class of Nonlinear Fractional Order Differential Equations	Azizollah Babakhani	669-165
Sensitivity of Air-Core and Planar Spiral Coil to Variation of Electrical Conductivity of a Conducting Sample	Valentina Koliskina, Andrei Kolyshkin	669-332
Some Congruences of Fibonacci and Lucas numbers and Properties of Fibonacci Functions	Alina Barbulescu, Diana Savin	669-292
Active, Parameterized Active, and Non-Delay Schedules for Project Scheduling with Multi-Modes	Jorge Magalhaes-Mendes	669-300
Relational Algebra Applications in Web Programming	Mirela-Catrinel Voicu	669-333
Simple Calibration Method for Wideband Six-Port Reflectometer	Radek Dvorak, Tomas Urbanec	669-313
Efficiency Evaluation of Teams in IPL	Sanjeet Singh	669-119

Friday December 30th 2011

Conference Room: B

Time: 11:00-13:00

ICFA-ICDPD Session: Financial Planning, Design and Product Development

Chair: Prasetyo Edi, Mirela Mazilu

Aircraft Family Concept for High Subsonic Transport Aircraft	Prasetyo Edi	513-131
Degree of Uncontrollable External Factors Impacting to NPD	Seonmuk Park, Jongseong Kim, Se Won Lee, Hoo-Gon Choi	513-157
SeTT: Testing-tool for Measurement System DEWESoft	Tomaz Kos, Tomaz Kosar, Marjan Mernik, Jure Knez	513-147
The Importance of Organization the Postcalculation in the Economic Units from the Coal Mining Industry	Adela Madalina Arsenie, Mirela Mazilu	513-124
Model in Estimating Economic Loss in Personal Injury and Death Litigation	Haslifah Hashim	513-114
Multiattribute Assessment Model to Support Career Development of Internal Auditors	Igor Karnet, Tanja Rajkovic, Eva Jereb	513-156
Development Trends at Markets with Mergers and Acquisitions in 2001–2010	Jaroslav Sedlacek, Petr Valouch, Alois Konecny	513-145

Conference Room: C

Time: 11:00-13:00

ICAT Session: Automation and Transportation

Chair: Sunil Sharma, Karel Greiner

Relation between the Otto Engine RPM and the Exhaust Gas Speed	Charalampos Arapatsakos, Anastasios Karkanis, Ioannus Pantokratoras	513-094
The Exhaust Gas Refrigeration and the Pollutants Variation	Charalampos Arapatsakos, Anastasios Karkanis, Stella Maria Strofylla	513-096
Diesel - Soy Oil Blends as Fuel in a Four Stroke Engine when the Fuel Temperatures are Different	Charalampos Arapatsakos, Dimitrios Christoforidis, Anastasios Karkanis, Konstantinos Mitroulas, Marianthi Moschou	513-095
Calculating Indicators of Rail Transport	Karel Greiner, Josef Volek	513-152
Transportation Project Planning and Modeling	Sunil Sharma	513-118
Geographic Information Systems for Campus/University Transportation Planning	V. K. Bansal	513-117

Break: 13:00-14:00

Friday December 30th 2011

Conference Room: A

Time: 14:00-16:00

ICBA Session: Business and Economics

Chair: Mirela Mazilu, Usama Awan

The Theory of Consumer Behaviour in Fast Food Marketing: Strategies for Competitive Advantage	Emmanuel Selase Asamoah, Miloslava Chovancova	513-109
Designing the Custom Competency Model for Future Business Leaders and Managers (Case Study Mobarakeh StreeI)	M. Aghili, I. Soltani	513-151
Strategic Management Performance Using SHRM, EFQM for Iranian Industries	Meysam Ranjbari, Nader Naderi	513-154
Inconsequence of Administrative Policies and Criminal Responsibility of Public Officers, Determinant Factor on the Evolution of Economy	Mihalache Carmen-Mariana	513-197
Globalization - Tourism a Model from Green Economy	Mirela Mazilu	513-119
New Ways of Innovation in Tourism Economy: Implementing Clusters	Mirela Mazilu, Cipriana Sava	513-123
Romanian Monasteries. Website	Mirela-Catrinel Voicu	513-188

Conference Room: B

Time: 14:00-16:00

EED Session: Ecosystems and Environmental Factors

Chair: Shafiga Topchiyeva, Chin Haw Lim

The Activity of Phosphatase in the Jejunum of Chickens Coccidiosis (Apicomplexa, Eimeriidae, Eimeria Tenella)	S. A. Topchiyeva, E. I. Ahmadov	669-206
Non-use Value of the Natterjack Toad (Bufo Calamita) in Estonia: a Contingent Valuation Study	Mart Reimann, Ullas Ehrlich, Sirje Padam	669-328
Influence of Radiation on Products of Ability to Live of Melliferous Bee Apis Mellifere K	S. A. Topchiyeva, F. Z. Mammadova, R. Y. Yusifov, M. A. Mehrabova	669-112
Impact of Environment Factors (Heavy Metals, Radiation) on Biological Variability of Spiders of Azerbaijan	S. A. Topchiyeva., M. A. Mehrabova, T. V. Aliyeva, Z. Y. Musayeva	669-111
Performance of Wind-Induced Natural Ventilation Tower in Hot and Humid Climatic Conditions	C. H. Lim, Omidreza Saadatian, M. Yusof Sulaiman, Sohif Mat, K. Sopian	669-272
Objective and Subjective Assessments of Thermal Comfort in Hot-Humid Region	F. Azizpour, S. Moghimi, S. Mat, C. H. Lim, K. Sopian	669-341

Friday December 30th 2011

Conference Room: C

Time: 14:00-16:00

AMI Session: Advances on Applied Mathematics II

Chair: Ponalagusamy Ramasamy, Efraim Shmerling

An Efficient Heuristic Method for Large Scale Block Diagonal Quadratic Programs	Duangpen Jetpipattanapong, Gun Srijuntongsiri	151-149
Algorithm for Counting the Eigenvalues of Random Matrices in Small Intervals	Efraim Shmerling, Michael Ben Chaim	151-161
New Algorithm of Fifth-Order Heronian Mean Runge Kutta Method	R. Ponalagusamy, P. J. A. Alphonse, M. Chandru	151-121
Inverse Preconditioning Techniques on a GPUs Architecture in Global Ocean Models	Raffaele Farina, Salvatore Cuomo, Pasquale De Michele, Marta Chinnici	151-097
Higher-Order Method for Finding Multiple Roots	Young Hee Geum	151-124

Coffee Break: 16:00-16:30

Conference Room: A

Time: 16:30-18:30

AMI Session: Applied Mathematics and Informatics

Chair: Noor Maizura Mohamad Noor, Noraida Haji Ali

Design of Dynamic Replica Control Algorithm for Distributed Real-Time Databases	Hala Abdel hameed, Hazem M. El-Bakry, Torky Sultan	151-153
Supporting Decision-making for Forensic DNA Analysis in Crime Investigation Using Visualization	Noor Maizura Mohamad Noor, A. F. Ghazali, M. Y. M. Saman, Zafarina Z.	151-106
A Framework of Decision Support for Crime Forecasting in Malaysia	Noor Maizura Mohamad Noor, Astari R. , Norizan Mohamad, Md Yazid Mohd S., Mohd Lazim Abd.	151-105
Knowledge Representation and Reasoning Based on Logical Formalism for Forensic Evidence Analysis	Noor Maizura Mohamad Noor, Salwana Mohamad Asmara, Md Yazid Mohd Saman	151-107
Evaluation of Criteria for Selected Islands Using Fuzzy Analytic Hierarchy Process (FAHP)	Noraida Haji Ali, Ily Amalina Ahmad Sabri, Noor Maizura Mohamad Noor, Fathilah Ismail	151-123
Implementation of Ontological-based Decision Support System for Contractor Selection Process	Rosmayati Mohamad, Abdul Razak Hamdan, Zulaiha Ali Othman, Noor Maizura Mohamad Noor	151-110

Friday December 30th 2011

Conference Room: B

Time: 16:30-18:00

MECHANICS Session: Applied and Theoretical Mechanics

Chair: Kerim Yunt, Pawan Sharma

On the Relation between the Dual Principle of Least Constraints and the Principle of Maximal Dissipation	Kerim Yunt	669-277
The Impulsive Action Integral	Kerim Yunt	669-290
Modelling of Mechanical Blocking	Kerim Yunt	669-334
Application of Asymptotic Method to Study Flexural Wave Motion in Transversely Isotropic Thermoelastic Media	P. K. Sharma, S. K. Rana	669-125

Conference Banquet: 19:00

Saturday December 31st 2011

Conference Room: A

Time: 09:00-11:00

CSECS Session: Low Voltage Circuits, Microelectronics, Quantum Electronics

Chair: Yngvar Berg, Matanat Mehrabova

Differential Static Ultra Low-Voltage CMOS Flip-Flop for High Speed Applications	Yngvar Berg	669-338
Symmetric Autozeroing Floating-Gate Transconductance Amplifier for Ultra Low-Voltage Applications	Yngvar Berg, Mehdi Azadmehr	669-336
Novel Static Differential Ultra Low-Voltage and High Speed Domino CMOS Logic	Yngvar Berg, Omid Mirmotahari	669-339
Static Ultra Low-Voltage and High Performance CMOS NAND and NOR Gates	Yngvar Berg, Omid Mirmotahari	669-342
The Influence of Irradiation on Electrophysical and Optical Properties of Pb1-Xmnxte(Se) Thin Films	M. A. Mehrabova, I. R. Nuriyev, T. I. Kerimova, R. M. Mamishova	669-318
A Combinational Approach of Modeling Analog Phase Locked Loop	Savita Nema, R. K. Nema, Gayatri Agnihotri	669-353
Comparative Analysis of Quantum and Classical Simulations Regarding Corner Effect in a Saddle MOSFET for Sub-50 nm DRAM Cell Transistor	Syed Atif Pervez, Umar Farooq	669-319

Conference Room: B

Time: 09:00-11:00

EED Session: Water Resources, Waste Water Management and Hydrology

Chair: Dimitris Sidiras, Christina Siontorou

Employing an Especially Designed Biocide Mixture for Onboard Ballast Water Treatment	C. G. Siontorou, L. Fragkos-Livanios, F. A. Batzias	669-311
Development of a New Oil Spill Adsorbent from Autohydrolysis Modified Lignocellulosic Waste Material	D. Sidiras, F. Batzias, I. Konstantinou, M. Tsapatsis	669-305
Modeling Sedimentation in Seawater after an Oil Spill Dispersion	S. Zervopoulou, D. Sidiras, F. Batzias	669-307
Investigating the Ability of Artificial Neural Network (ANN) Models to Estimate Missing Rain-Gauge Data	Aida Hosseini Baghanam, Vahid Nourani	669-302
Space Pre-Processing of Satellite Data for ANN-based Rainfall-Runoff Process	Aida Hosseini Baghanam, Vahid Nourani	669-303
Continues Wavelet Transform for Extraction of Topographic Features from High-Resolution Digital Elevation Model	Vahid Nourani	669-301
On Adopting/Synthesizing Criteria for Optimal Choice of Stochastic Models to Simulate Wastewater Processing	F. A. Batzias, A. Bountri	669-310

Saturday December 31st 2011

Coffee Break: 11:00-11:30

Conference Room: A

Time: 11:30-13:30

CSECS Session: Systems Theory and Automatic Control

Chair: Mehdi Azadmehr, Savita Nema

A Bi-Directional Auto-Zeroing Floating-Gate Amplifier	Mehdi Azadmehr, Yngvar Berg	669-276
Design of Genetic Algorithms Based Fuzzy Logic Power System Stabilizers in Multimachine Power System	Manisha Dubey, Nikos E. Mastorakis	669-379
Grid Interface Design and Simulation for a Utility Interactive PV Inverter	Savita Nema, R. K. Nema, Gayatri Agnihotri	669-352
Microcontroller Based Protective Relay Testing System	Abderrahmane Ouadi, Hamid Bentarzi, Mahfoud Chafai, Abdelkader Zitouni	669-287
Amorphous Core Distribution Transformers: Challenges, Opportunity and Loss Capitalization for Power Applications in India	Gayatri Agnihotri, Savita Nema, R. K. Nema	669-360
Distance Protective System Performance Enhancement Using Optimized Digital Filter	Hamid Bentarzi, Abderrahmane Ouadi, Abdelkader Zitouni	669-288

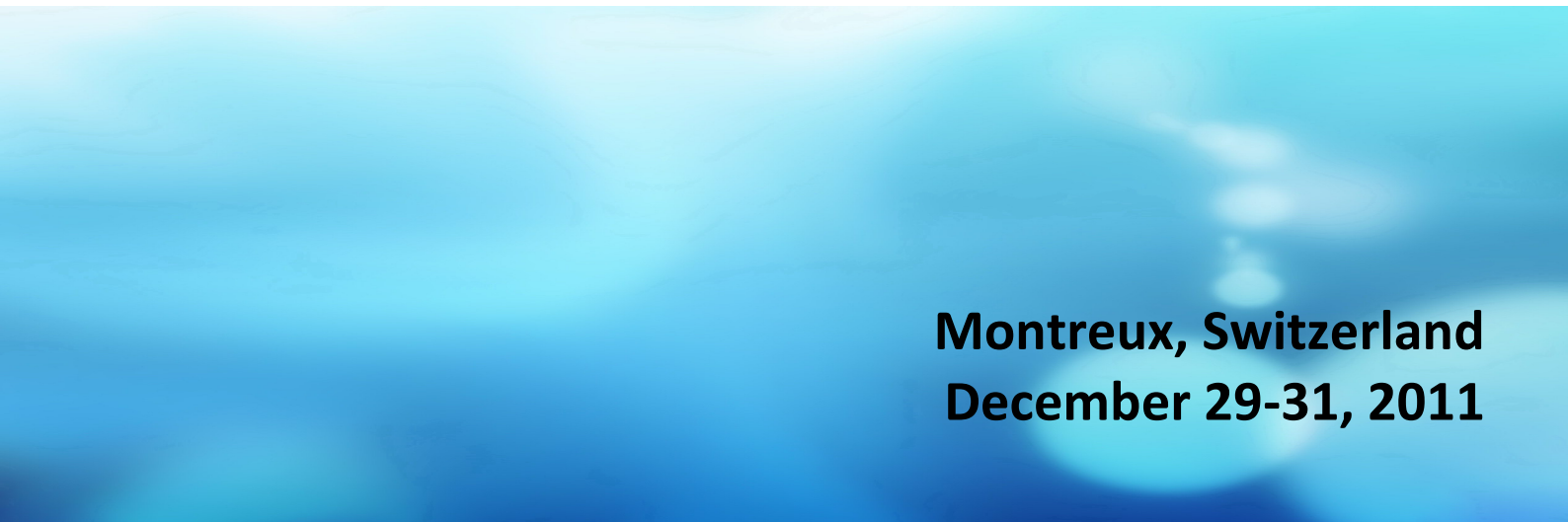
Conference Room: B

Time: 11:30-13:00

ICAC Session: Cultural Influence and Art

Chair: Nursuriati Jamil, Frinculeasa Madalina Nicoleta

The Awareness of Values through Education. "Saint Nicholas" Parish, Campina (Prahova, Romania) – Crucible of Local Cultural and Spiritual Patrimony- Romanian Funds (The Administration of National Cultural Fund) for Cultural Education	Madalina Nicoleta Frinculeasa, Alin Frinculeasa, Petru Moga	513-116
Using Digital Comics in Teaching ESL Writing	Melor Md. Yunus, Hadi Salehi, Asnarita Tarmizi, Syarifah Farahana Syed Idrus, Sri Shalini A/P Balaraman	513-150
Investigating Ornamentation in Malay Traditional, Asli Music	Nurmaisara Za'Ba, Nursuriati Jamil, Siti Salwa Salleh, Nurulhamimi Abdul Rahman	513-146
Digital Archiving of Traditional Songket Motifs using Image Processing Tool	Nursuriati Jamil, Tengku Mohd Tengku Sembok, Zainab Abu Bakar	513-110



**Montreux, Switzerland
December 29-31, 2011**