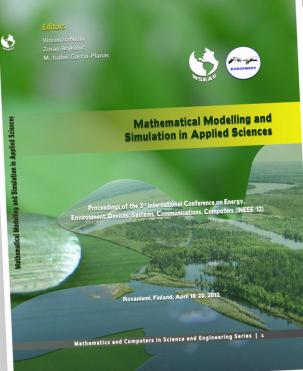




Acade Engineering World Scientific







Rovaniemi, Finland April 18-20, 2012

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.

11th WSEAS International Conference on Applied Computer and Applied Computational Science (ACACOS '12)

11th WSEAS International Conference on Instrumentation, Measurement, Circuits and Systems (IMCAS '12)

12th WSEAS International Conference on Robotics, Control and Manufacturing Technology (ROCOM '12)

12th WSEAS International Conference on Multimedia Systems & Signal Processing (MUSP '12)

3rd International Conference on Energy, Environment, Devices, Systems, Communications, Computers (INEEE '12)

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 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

Registration: 08:15-09:15

Conference Room A: Time: 09:15-10:00 Plenary Lecture 1:



On Robust Possibilistic C-Means Clustering Algorithm by Prof. Miin-Shen Yang, Chung Yuan Christian University, TAIWAN.

Conference Room B: Time: 09:15-10:00 Plenary Lecture 2:



Efficient Isolated DC-DC Converters with Maximum Integration Scale by Prof. Jan Doutreloigne, CMST (University of Gent + IMEC), BELGIUM.

Conference Room A: Time: 10:00-10:45 Plenary Lecture 3:



Decentralized Cyber Secure Public Safety Communications and Information Management Systems for a Multi Organizational Environment

by Dr. Jyri Rajamaki, Laurea University of Applied Sciences, FINLAND.

Conference Room B: Time: 10:00-10:45 Plenary Lecture 4:



Computational Methods In Real Life Problem
by Assoc. Prof. Alina Barbulescu, Ovidius University of Constanta,
ROMANIA.

Conference Room A: Time: 10:45-11:30 Plenary Lecture 5:



Input observability analysis of Fixed speed wind turbine by Prof. M. Isabel Garcia-Planas, Universitat Politecnica de Catalunya, SPAIN.

Conference Room B: Time: 10:45-11:30 Plenary Lecture 6:



Current Communications Networks Status for Smart Grid by Prof. Zoran Bojkovic, University of Belgrade, SERBIA.

Coffee Break: 11:30-12:00

Conference Room: A Time: 12:00-14:00

INEEE Session: Applications of Engineering Chair: Maria Isabel Garcia-Planas, Motti Haridim

| Fault Location in MV Unearthed Distribution Network Using the Undamped Frequency of the Transient Signal | Mohd Rafi Adzman, Matti Lehtonen | 6755-127 |
|---|---|----------|
| Input Observability Analysis of Fixed Speed Wind Turbine | M. I. Garcia-Planas, J. L. Dominguez-Garcia, B. Mediano-Valiente | 6755-002 |
| Mobile Phones without Antenna | M. Bank, M. Haridim, V. Tsingouz, Z. Ibragimov | 6755-064 |
| | M. Bank, M. Haridim, V. Tsingauz, K. | |
| A Novel MIMO Antenna System for Small Handsets | Slupenko | 6755-070 |
| Optimal Design of SVC-PI Controller for Damping Improvement Using New Computational Intelligence Approach | N. A. M. Kamari, I. Musirin, M. M. Othman, Z. A. Hamid, M. N. A. Rahim | 6755-169 |
| Exploiting Security, Safety and Situational Related Services by Using Remotely Piloted Aircrafts | Ilkka Tikanmaki, Jyri Rajamaki | 6755-025 |
| A Flight Data Recorder for Radio-Controlled Model Aircraft | Andre Du Plooy, James Swart, Christo Pienaar | 6755-005 |

Conference Room: B Time: 12:00-14:00

IMCAS Session: Circuits and Systems Design & Implementation

Chair: Jan Doutreloigne, Winai Jaikla

| Monolithic Integration of the Synchronous Rectifier in Isolated Forward DC-DC Converters | Jan Doutreloigne, Benoit Bakeroot, Ann Monte, Jindrich Windels | 6752-001 |
|--|---|----------|
| Monolithic Integration of an Active Clamping H-Bridge for Isolated Forward DC-DC Converters | Jan Doutreloigne, Ann Monte, Benoit Bakeroot, Jindrich Windels | 6752-004 |
| CFTA Based MISO Current-Mode Biquad Filter | Peerawut Suwanjan, Winai Jaikla | 6752-046 |
| A Low Power High CMRR CMOS Instrumentation Amplifier Based on Differential Voltage – Current | | |
| Conveyor for Beta-Dispersion Range Bio-Impedance | Angelito A. Silverio, Rosula S. J. Reyes, Wen- | |
| Applications | Yaw Chung | 6752-010 |
| Heartbeat Detection Applying Activity Index on Optical | Sebastijan Sprager, Denis Donlagic, Damjan | |
| Interferometric Signal | Zazula | 6752-037 |

Break: 14:00-14:30

Conference Room: A Time: 14:30-16:30

INEEE Session: Waste Management and Recycling

Chair: Erika Ardelean, Ana Virginia Socalici

| Recovery of Powdery Ferrous Waste through Pelleting | Adela Susana Todorut, Socalici Ana | 6755-085 |
|--|--|----------|
| The Integrated Urban Waste Management in Romania | Ardelean Erika, Harau Carmen, Ardelean Marius | 6755-115 |
| Recycling Waste from the Steel Industry | Eugen Crisan, Lucia Vilceanu, Marius Ardelean, Vasile Putan | 6755-112 |
| Valorization of Metallic Wastes by Rolling Them in Different Profiles | Pauca Adina, Socalici Ana, Moisa Ioan- Marius | 6755-133 |
| The Use of Industrial Waste in the Production of Lubrication Dusts to Be Used in Steel Continuous Casting | Popa Erika, Socalici Ana, Ardelean Marius, Ardelean Erika | 6755-097 |
| The Use of Ironless Industrial Wastes in Steelmaking | Putan Adriana, Putan Vasile, Vilceanu Lucia, Socalici Ana | 6755-100 |
| Possibilities of Turning into Account Steel Plant Powdery Wastes | Socalici Ana, Ardelean Erika, Heput Teodor, Ardelean Marius | 6755-082 |

Conference Room: B Time: 14:30-16:30

ROCOM Session: Robotics and Automation Chair: Khalid Abd, Paul Ciprian Patic

| Intelligent Modeling of Scheduling Robotic Flexible Assembly Cells Using Fuzzy Logic | Khalid Abd, Kazem Abhary, Romeo Marian | 6753-117 |
|--|--|----------|
| , , | Milici Mariana-Rodica, Ungureanu | |
| Behaviour of an Electromechanic Actuator with Volatile | Constantin, Chatziathanasiou Vasilis, | |
| Liquid | Cernomazu Dorel, Milici Laurentiu-Dan | 6753-067 |
| Study on Implementing of an Ultrasonic Motor in | L. Dan Milici, Mariana R. Milici, Valentin | |
| Robotics | Popa, Dragos Calitoiu | 6753-072 |
| Modeling and Simulation Applied for Robotics | | |
| Manipulator's Driving | Paul Ciprian Patic | 6753-022 |
| Cellular Automata Models for Cooperation in Multirobot | Radu Dobrescu, Dan Popescu, Gheorghe | |
| Systems | Florea | 6753-017 |
| Robotics in Education: A Tool for Recruiting, Engaging, | | |
| Retaining and Educating Students | Michele Van Dyne, Jacob Fjermestad | 6753-107 |
| | Sakari Pieskä, Mika Luimula, Juhana | |
| Social Service Robots in Public and Private Environments | Jauhiainen, Van Spiz | 6753-102 |

Coffee Break: 16:30-17:00

Conference Room: A Time: 17:00-19:30

INEEE Session: Energy, Environment and Development

Chair: Üllas Ehrlich, Luis Alberiko Gil-Alana

| The Use of Regenerated Mold Mixtures in Manganese Steel Piece Casting | Josan Ana, Pinca Bretotean Camelia, Pauca Adina | 6755-121 |
|---|---|----------|
| Review on LCA in the Construction Industry: Case Studies | Matthias Buyle, Johan Braet, Amaryllis Audenaert | 6755-055 |
| Coastal Area with or without Wind Turbines: A Contingent Valuation Study in Estonia | Ullas Ehrlich, Margot Muursepp | 6755-148 |
| Long Memory in Energy Prices in Gemany | Gil-Alana Luis Alberiko, Barros Carlos Pestana, Caporale Guglielmo Maria | 6755-013 |
| Energy Efficiency Estimation of a Combined Production Chain – Forming and Machining | Karl Kuzman | 6755-010 |
| Nash Equilibriums in a Game of Natural Gas Suppliers Competition | Oleg I. Nikonov, Marina A. Medvedeva | 6755-196 |
| Secure Data Communications for Controlling Electric Power Stations and Distribution Systems | Jari Ahokas, Tewodros Guday, Teemu Lyytinen, Jyri Rajamaki | 6755-067 |
| Sustainable Development Review; From Old Tribal Beliefs to Rio+20 | Omidreza Saadatian, Sohif Bin Mat, Ch. Lim, K. Sopian | 6755-076 |

Conference Room: B Time: 17:00-19:30

ACACOS Session: Modelling and Simulation Chair: Alina Barbulescu, Yongwimon Lenbury

| Chair. Aima Darbulescu, Tongwillion Lembury | | |
|--|--|----------|
| Fitting Precipitation Variability in Dobrudja Region | Alina Barbulescu, Judicael Deguenon | 6751-015 |
| | Aima barbaresea, Judicaer beguerion | 0731 013 |
| Nonparametric Models for the Regional Precipitation | | |
| Evolution in Dobrudja | Alina Barbulescu, Judicael Deguenon | 6751-023 |
| | Carmen Maftei, Alina Barbulescu, Pierre | |
| Statistical Analysis of the Precipitation from Constanta | Hubert, Cristina Serban (Gherghina), | |
| (Romania) Meteorological Station | Gabriel Dobrica | 6751-035 |
| Presenting a Combined E-Government Framework Using | Shapoor Zarei, Amin Daneshmand | |
| DSS and GIS | Malayeri, Nikos E.Mastorakis | 6751-211 |
| E-Voting and E-Democracy: Basic Approach to E- | Shapoor Zarei, Amin Daneshmand | |
| Government Issuance | Malayeri, Nikos E.Mastorakis | 6751-215 |
| | | 0731 213 |
| Intelligent Model in B2C E-Commerce Using Fuzzy | Shapoor Zarei, Amin Daneshmand | 6754 007 |
| Approaches | Malayeri, Nikos E.Mastorakis | 6751-227 |
| | | |
| A New Fast Neural Network Model | Hazem M. El-Bakry, Nikos Mastorakis | 6751-219 |
| Statistical Evaluation of a Glucose / Insulin Nonlinear | | |
| Differential Equation Model with Classical and Bayesian | Sutharot Lueabunchong, Yongwimon | |
| Procedures | Lenbury, Simona Panunzi, Alice Matone | 6751-019 |
| Travelling Wave Solutions of a Nonlinear Model for Drug | | |
| Release: Analytical Solution in Comparison to Numerical | | |
| Approximation | Chontita Rattanakul, Yongwimon Lenbury | 6751-031 |
| Signal Transduction Process Subject to Response Delays: | Wanwarat Anlamlert, Yongwimon Lenbury, | |
| Stability and Oscillations | Warunee Sarika | 6751-059 |
| An Agent-Based Computational Model for Strategic | G. Mircea, M. Pirtea, M. Neamtu, S. | |
| Investment Decision Processes | | 6751-179 |
| investment Decision Frocesses | Bazavan | 0/31-1/9 |
| | Mihaela Neamtu, Gabriela Mircea, Marilen | |
| The Study of Some Stochastic Macroeconomic Models | Pirtea, Dumitru Opris | 6751-163 |
| | | |
| Flow Modeling of Turbulent Flow and Heat Transfer | Sabah Tamimi | 6751-039 |

Conference Room A: Time: 09:00-09:45 Plenary Lecture 7:



A Safer Future: Reducing the Impacts of Earthquake Disasters through Soft Computing by Prof. Silvia Garcia, National University of Mexico, MEXICO.

Conference Room B: Time: 09:00-09:45 Plenary Lecture 8:



A Framework for Physical Interaction and its Execution based on Multiple Sensors
by Prof. Angel P. del Pobil, Universitat Jaume-I, SPAIN.

Conference Room A: Time: 09:45-10:30 Plenary Lecture 9:



RUSSIA.

Evaluation of the Mean Cycle Time in Stochastic Discrete Event Dynamic Systems
by Assoc. Prof. Nikolai Krivulin, St. Petersburg State University,

Conference Room B: Time: 09:45-10:30 Plenary Lecture 10:



Mobile Radio Handsets without Antenna by Prof. Motti Haridim, Holon Institute of Technology, ISRAEL.

Coffee Break: 10:30-11:00

Conference Room: A Time: 11:00-13:00

IMCAS Session: Systems and Control Chair: Dalibor Biolek, Hamid Reza Karimi

| Chair: Danbor Bloiek, Hairing Reza Kariini | | |
|--|--|----------|
| Unified Approach to Synthesis of Mutators Employing | | |
| Operational Transimpedance Amplifiers for Memristor | | |
| Emulation | Viera Biolkova, Dalibor Biolek, Zdenek Kolka | 6752-061 |
| High Output Impedance Current-Mode Universal Filter | | |
| with Independent Control of Pole Frequency and Quality | Surapong Siripongdee, Sunti Tuntrakool, | |
| Factor | Winai Jaikla | 6752-043 |
| Modeling and Control Design for a Semi-Active | | |
| Suspension System with Magnetorheological Rotary | Geir-Arne Moslatt, Erik Myklebust, Palmer | |
| Brake | Kolberg, Hamid Reza Karimi | 6752-025 |
| Estimating the Physical Preparation Level of Male | | |
| Athletes Using Tests for Evaluating the Energetic | | |
| Parameters | Elena Mereuta, Claudiu Mereuta | 6752-028 |
| Control Parameters Provided by MGM Test – Tool for | | |
| Assessing Physical Training | Claudiu Mereuta, Elena Mereuta | 6752-031 |
| A Numerical Approach for Modeling Squeeze-Film | | |
| Damping in Rigid Microstructures Including Rarefaction | Salvatore Nigro, Leonardo Pagnotta, Maria | |
| Effects | F. Pantano | 6752-013 |
| On using PIC24F Microcontroller to Modify the Pulse | | |
| Width of the Signals which Control Electronic Fuel | | |
| Injectors | Gabriel Vasiu, Septimiu Mischie | 6752-034 |

Conference Room: B Time: 11:00-13:00

INEEE Session: Informatics in Biology and Biochemistry

Chair: Janis Ievins, Shafiga Topchiyeva

| The Dangers of Acrylonitrile and the Improvement of Risk Prevention | Janis Ievins, Valentina Urbane, Daiga Mazrima | 6755-049 |
|--|---|----------|
| Influence of Heavy Metals and Radiation on Biodiversity of Coccinellidae | Sh. A. Topchiyeva, Z. Y. Musayeva, M. A. Mehrabova | 6755-040 |
| Spiders as Bioindicators of Radiation Pollution | Sh. A. Topchiyeva, M. A. Mehrabova, N. I. Huseynov | 6755-043 |
| Influence of Ecological Factors (Heavy Metals and Radiation) on Lizards of Azerbaijan | Sh. A. Topchiyeva, M. A. Mehrabova, A. R. Jafarov | 6755-046 |
| Application of the Artificial Neural Networks for the Prediction of Reactivity of Molecules in Radical Reactions | Tumanov V. E., Gaifullin B. N. | 6755-034 |

Break: 13:00-13:30

Conference Room: A Time: 13:30-16:00

ACACOS Session: Corporate Strategies and Management

Chair: Hua-Line Tsai, Laura Monica Gorghiu

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|---|---|----------|
| The Moderating and Mediating Effects of Corporate Governance on Firm Performance | Wen-Hsi Lydia Hsu, George Yungchih Wang, Hua-Lin Tsai, Chun-Wei Lu | 6751-107 |
| The Impacts of Expatriate Selection Criteria on Organizational Performance in Subsidiaries of | Hua-Lin Tsai, Shih-Yun Zeng, Cherng-Horng | |
| Transnational Corporate | Lan, Rong-Jyue Fang | 6751-111 |
| Collaboration between Foreign Direct Investments by | Hua lin Tsai Chun Wai lu Wan Yu Chan | |
| Japanese Manufacturers in Vietnam and the Domestic Suppliers | Hua-Lin Tsai, Chun-Wei Lu, Wen-Yu Chen, Yente Wu | 6751-115 |
| The Impacts of Corporate Culture on Organizational Performance | Hua-Lin Tsai, Shih-Yun Zeng, Chun-Wei Lu, Sheng-Hsu Chuang | 6751-123 |
| A Study of Employer Background in Care Demand in Southern Taiwan | Chen-Ru Chen, Wen-Hsi Lydia Hsu, Hua-Lin Tsai, Chun-Wei Lu | 6751-127 |
| Apply Logistic Management on Vocation Training Center | Hua-Lin Tsai, Chun-Wei Lu, Yu-Hsin Chang, Wei-Chin Lee | 6751-139 |
| On the Integration of Knowledge Management, Cloud Computing and LOHAS Economy as a Corporate Strategy | Hua-Lin Tsai, Cherng-Horng Lan, Yu-Hsin Chang, Chen-Ru Chen | 6751-143 |
| The Liquidity Effect in Taiwan's Stock Market | George Yungchih Wang, Wen-Hsi Lydia Hsu, Hua-Lin Tsai, Chun-Wei Lu | 6751-079 |
| Competitive Advantage of Collaboration between Taiwan and Japan Transformer Industries | Chun-Wei Lu, Hua-Lin Tsai, George Yungchih Wang, Yi-Han Wu | 6751-083 |

Conference Room: B Time: 13:30-16:00

ROCOM Session: Latest Advances in Manufacturing Technology

Chair: Dan Popescu, Nikolai Krivulin

| R. Abdubrani, S. S. N. Alhady | 6753-047 |
|---|--|
| Dan Popescu, Radu Dobrescu, Mircea Ionel | |
| 1 | 6753-027 |
| Christoph Hametner, Johannes Unger, Stefan Jakubek | 6753-001 |
| | |
| Sewoong Jun, Ilkyun Jung | 6753-082 |
| Yousef Iskandarani, Hamid Reza Karimi, Erik | |
| Andre Nerhus, Bjornar Haeras, Henrik | |
| Johan Ask | 6753-042 |
| Asha Dharan, Silje Helene Olsen Storhaug, | |
| | 6753-077 |
| | |
| Nikolai Krivulin | 6753-052 |
| Botez Sorin-Constantin, Gabriel Marius | |
| Dumitru, Alexandru Dumitrache-Rujinski, | |
| Dina Viorel-Cristian | 6753-097 |
| Eraldo Banovac, Darko Pavlovic, Nikola | |
| Vistica | 6753-057 |
| | Dan Popescu, Radu Dobrescu, Mircea Ionel Strutu Christoph Hametner, Johannes Unger, Stefan Jakubek Sewoong Jun, Ilkyun Jung Yousef Iskandarani, Hamid Reza Karimi, Erik Andre Nerhus, Bjornar Haeras, Henrik Johan Ask Asha Dharan, Silje Helene Olsen Storhaug, Hamid Reza Karimi Nikolai Krivulin Botez Sorin-Constantin, Gabriel Marius Dumitru, Alexandru Dumitrache-Rujinski, Dina Viorel-Cristian Eraldo Banovac, Darko Pavlovic, Nikola |

Coffee Break: 16:00-16:30

Conference Room: A Time: 16:30-18:30

IMCAS Session: Instrumentation and Measurement

Chair: Hamid Reza Karimi, Gyung-Suk Kil

| A Vehicle Crash Test Apparatus for Universities and Small Researched Institutions | J. S. Johnsen, H. R. Karimi, K. G. Robbersmyr | 6752-016 |
|--|---|----------|
| Detection of Partial Discharges by a Monopole Antenna in Insulation Oil | Chang-Hwan Jin, Jung-Yoon Lee, Dae-Won Park, Gyung-Suk Kil | 6752-007 |
| Approximate Symbolic Analysis with Emphasis on Frequency Filters | Zdenek Kolka, Viera Biolkova, Dalibor Biolek | 6752-052 |
| Statistical Analysis of Fade Events on FSO Systems | Zdenek Kolka, Viera Biolkova, Dalibor Biolek | 6751-175 |
| A Prospective on Power Quality Analyze of Three Sections Plate-Type Electrostatic Precipitator Supplies | Gabriel Nicolae Popa, Corina Maria Dinis, Sorin Ioan Deaconu, Angela Iagar | 6752-022 |
| Ultrasound in Vehicle System for On-Board Monitoring | A. S. Fiorillo, A. La Gatta, S. A. Pullano | 6752-040 |
| Development In Wind Energy Technology: An Update | Faeka M. H. Khater | 6752-049 |

Conference Room: B Time: 16:30-18:00

MUSP Session: Multimedia and Signal Processing

Chair: Chandrasekaran Subramaniam, Mischie Septimiu

| Emotional Expressiveness in Romanian Language | Silvia Monica Feraru | 6754-005 |
|--|---|----------|
| | Chandrasekaran Subramaniam, Vishal Ravikumar, K. Narendra Varun, S. Ashwanth | 6754-009 |
| A Comparison of Convolutive Model and Real Recording for Using in Acoustic Echo Cancellation | Septimiu Mischie | 6754-013 |
| Intelligent Modeling of Scheduling Robotic Flexible Assembly Cells Using Fuzzy Logic | Khalid Abd, Kazem Abhary, Romeo Marian | 6754-001 |

Conference Banquet: 19:00

Friday April 20th 2012

Conference Room: A Time: 09:00-11:30

ACACOS Session: E-Learning and Web-based Learning

Chair: Mohammed Alawairdhi, Sylvia Encheva

| A Top Down Approach for Designing an E-learning Pattern Language Based on IMS-LD Specification | Maysoon Aldekhail, Alaa Eldeen Sayed Ahmed, Mohammed Alawairdhi, Azeddine Chikh | 6751-047 |
|---|---|----------|
| Success and Failure of IT Projects: A Study in Saudi Arabia | Fahad Alfaadel, Mohammed Alawairdhi, Mahran Al-Zyoud | 6751-051 |
| Closure Lattices for Avoiding Overtesting of Students | Sylvia Encheva | 6751-191 |
| Ranking Reusable Learning Objects with Rough Sets Based Methods | Sylvia Encheva | 6751-195 |
| Logical Implications | Sylvia Encheva | 6751-199 |
| Teachers' and Students' Feedback Concerning the Use of ICT Tools in Learning Science through Nanotechnology | Laura Monica Gorghiu, Gabriel Gorghiu | 6751-183 |
| An Adaptive E-Learning System Based on Intelligent Agents | Hua-Lin Tsai, Chi-Jen Lee, Wen-Hsi Lydia Hsu, Yu-Hsin Chang | 6751-131 |
| Using Moodle to Build an E-Learning Platform for the After-class Learning Activities of Taiwanese Language | Hua-Lin Tsai, Rong-Jyue Fang, Chi-Jen Lee, Yung-Sheng Chang | 6751-135 |

Friday April 20th 2012

Conference Room: B Time: 09:00-11:30

INEEE Session: Simulation and Modelling Chair: Rauno Pirinen, Jelena Sulojeva

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|---|--|----------|
| FACTS Devices Installation via Stability Index Tracing and Blended Crossover Continuous Ant Colony Optimization | | 6755-079 |
| | | |
| Safe Maintenance – Saving Money for Employers | Harangus Victoria, Carmen Harau | 6755-136 |
| Evaluating the Safety Risk in Relation to the O.H.S. Management Specific to Work Systems | Victoria Harangus, Gabriel Vasilescu, Angelica Draghici, Teodor Heput | 6755-118 |
| Regional Development: Four Perspectives of Interactions of Research and Development in University of Applied | | |
| Sciences | Rauno Pirinen | 6755-019 |
| Redundant Multichannel Public Safety Communication | | |
| Network for Public Protection and Disaster Relief (PPDR) | | |
| Organizations | Jyri Rajamaki | 6755-028 |
| The Flow Visualization In Freezer Evaporator | Tugba Saricay, L. Berrin Erbay | 6755-006 |
| Economic Trends in the Provision of Labor Safety and Health Protection in the Industries of Latvia | Aleksandrs Grigorjevs, Valentina Urbane, Jelena Sulojeva | 6755-052 |
| Using Outcomes-Based Education as a Strategy for Improving the Academic Achievement of Senior | | |
| Engineering Students | Arthur James Swart | 6755-004 |

Coffee Break: 11:30-12:00

Friday April 20th 2012

Conference Room: A Time: 12:00-15:00

ACACOS Session: Latest Trends in Computers and Computational Science

Chair: Radovan Antonic. Zoran Bojkovic

| · | | |
|--|---|----------|
| Ship Speed Prediction in Real Sea Environment Using Advanced Technologies | Radovan Antonic, Marko Valcic, Vinko Tomas | 6751-007 |
| Smart Grid Communications Architecture: A Survey and Challenges | Zoran Bojkovic, Bojan Bakmaz | 6751-055 |
| Self Organizing Packet Routing with Ant Colonies: Tools | Luis Fernando De Mingo, Nuria Gomez Blas, Alberto Arteta | 6751-103 |
| Numerical Analysis of the Heat Transfer for Packing Design of Cryogenic Gate Valve | Si Pom Kim, Rock Won Jeon, Il Ju Hwang, Jae Hoon Lee, Won Heaop Shin | 6751-223 |
| Automatic Creation of Countermeasure Plan against Process Delay: Creation of Countermeasures Based on Crashing and Fast-Tracking | Yuichi Inoue, Kazuki Mori, Seiichi Komiya | 6751-231 |
| Possibilistic Risk Aversion and Its Indicators | Irina Georgescu, Jani Kinnunen | 6751-171 |
| Conceptualised View on Can Cloud Computing Improve the Rescue Services in Finland? | Jouni Lehto, Jyri Rajamaki, Paresh Rathod | 6751-043 |
| Estimation of Execution Time of Data-Intensive Out-of- Core Processes | Tamas Schradi, Akos Dudas, Sandor Juhasz | 6751-159 |
| Adaptive Service Node Placements in P2P-like Architectures | Sunantha Sodsee, Phayung Meesad, Herwig Unger | 6751-011 |
| Usage of Data Mining Techniques on Marketing Research Data | Pavel Turcinek, Jiri Stastny, Arnost Motycka | 6751-155 |