ICSEng 2011
Conference Program

Monday August	5.00 - 7.00 p.m.	CBC A Building (Main Hall)		
		REGISTRATION		

Tuesday August 16	8.00 - 8.45 a.m.	CBC A Building (Main Hall)		
		REGISTRATION		
		CBC A A106 Building		
	9.00 - 9.15 a.m.	CONFERENCE INAUGURATION		
	9.15 - 10.15 a.m.	**KEYNOTE: A Systems Approach to Nuclear Deterrence**, Stephen M. Younger		
		CBC A Buidling (Entry)		
	10.15 - 10.25 a.m.	ICSEng 2011 Photo		
		CBC A Building (Main Hall)		
	10.25 - 10.40 a.m.	COFFEE BREAK		
		CBC A106 Building	**CBC A108 Building**	**CBC A110 Building**
		Session 1.1: Information and Communication Systems	Session 2: Industrial Automation and Robotics	Session 3.1: Hardware Solutions for Embedded Systems
	10.40 - 11.00 a.m.	**An Intelligent Semantic Web Search Engine with Cross Linguility Support**, S D Samantaray	**The algorithm of fault tolerant locomotion of pentapod robot**, S. Moradian, K. Mohammadi	**Heuristic Algorithm of Bound Set Selection in Functional Decomposition for Heterogeneous FPGAs**, M. Rawski
	11.00 - 11.20 a.m.	**Ear-Slicing and Quality Triangulation**, B. Kajak, L. Gewali, H. Selvaraj	**A Method of Gravity Offloading with a SCARA Manipulator**, D. Isenberg, S. Baek, M. Caddell, M. Mueller, D. Hill	**Exceptions handling in hierarchical Petri net based specification for logic controllers**, M. Doligalski, M. Adamski
	11.20 - 11.40 a.m.	**Advanced Hyperspectral Remote Sensing for Target Detection**, E. Sharifahmadian, S. Latifi	**Modeling and Testing of Embedded Automotive Systems by Combination of Test Models and Reference Models in MATLAB/Simulink**, S. Siegl, K.-S. Hielscher, R. German	**Software Infrastructure for Wireless Sensor and Actuators Networks**, Z. Chaczko, C. Chiu, S. Aslanzadeh , T. Dune
	11.40 - 12.00 p.m.	**Novel Power Control Algorithms For Underlay Cognitive Radio Networks**, M. K. Kiskani, B. H. Khalaj	**Cycle Time in Assembly Line Balancing Problem**, W. Grzechca	**C2EN: Anisotropic Model of Cloud Computing**, Z. Chaczko, S. Aslanzadeh
		SU (Student Union Building)		
	12.00 - 1.00 p.m.	LUNCH BREAK		

	CBC A106 Building	CBC A108 Building	CBC A110 Building
	Session 1.2: Information and Communication Systems	Session 4: Transportonics Engineering	Session 3.2: Hardware Solutions for Embedded Systems
1.00 - 1.20 p.m.	**Migration-aware Optimization of Virtualized Computational Resources Allocation in Complex Systems**, P. Rygielski, A. Gonczarek	**Transportation services costs allocation for the delivery system**, K. Lewczuk, M. Wasiak	**Hardware accelerator for generating primitive polynomials over GF(3)**, G. Borowik, A. Paszkiewicz
1.20 - 1.40 p.m.	**Hierarchical Storage Systems and File Formats for Web Archiving**, H. Kawano	**Routes planning problem with heterogeneous suppliers demand**, R. Jachimowski, D. Pyza, J. Zak	**Synthesis of Generalised Threshold Gates and Multi Threshold Threshold Gates**, M. Nikodem, M. Bawiec
1.40 - 2.00 p.m.	**Data gathering and 3D-visualization at OLEG multiconstellation station in EDCN system**, K. Cyran, D. Sokolowska, A. Zazula, B. Szady, O. Antemijczuk	**Selected aspects of the optimization the structure of logistic system**, I. Jacyna, J. Zak	**SoPC Implementation of Whirlpool Hash Function, K. Krawczyk**, P. Tomaszewicz, M. Rawski
2.00 - 2.20 p.m.	**Complex Services Availability in Service Oriented Systems**, A. Grzech, P. Swiatek	**Transport Cargo Handling Shipments in Air Transport in the Aspect of Supply Chains**, D. Pyza, P. Golda	**Role of UML modelling in discrete controller design**, G. Labiak, M. Adamski, J. Tkacz, M. Doligalski, A. Bukowiec
2.20 - 2.40 p.m.	**Management of Virtual Network Resources and Services**, A. Grzech, M. Pleszkun	**Optimization of a potential of logistics system**, M. Wasiak	**Reduction of knowledge representation using logic minimization techniques**, G. Borowik, T. Luba, D. Zydek
2.40 - 3.00 p.m.		**Development of a Motion Control Fault Detector For a Series Hybrid Vehicle**, V. Ersanilli, K. Burnham	

Tuesday August 16

		CBC A Building (Main Hall)		
	3.00 - 3.20 p.m.	COFFEE BREAK		
		CBC A106 Building	CBC A108 Building	CBC A110 Building
		Session 5.1: Power Systems	Session 6: Biometrics Systems	Session 7: Analog and Digital Hardware Systems
Tuesday August 16	3.20 - 3.40 p.m.	**Has Deregulation worked in the Electricity Power Industry? The need for governmental control**, C. Elata	**Enhancing the Usability of Human Machine Interface on the Handheld Interagency Identity Detection Equipment (HIIDE™)**, K. Faddis, J. Howard, J. Stracener	**A Code width Built-in-self test Circuit for 8 bit pipelined ADC**, A. Barua, M. Tausiff
	3.40 - 4.00 p.m.	**Interpretation of Resistivity Sounding Data for Multi-Vertical Earth Model**, F. Slaoui, G. Semaan, E. Fouad	**Building Palm Vein Capturing System for Extraction**, J.-W. Wang	**Design and Implementation of a video compression technique for High Definition videos implemented on a FPGA**, H. Fahmy, K. Shehata, A. Hashad, H. Issa
	4.00 - 4.20 p.m.	**Case Study of Hybrid Wind-Solar Power Systems for Street Lighting**, S. Georges, S. Fouad	**Fabrication and Simulation of Implantable Glucose Fuel Cell**, M. R. Mousavi, I. Ahadzadeh, S. Chamanian, M. Bahrami, M. G. Hosseini	**Measuring the Level of Liquid in a Partially-Filled Pipe via the Ultrasonic Pulse-Echo Method Using Acoustic Modeling**, M. Smith, B. Bomar, B. Whitehead
	4.20 - 4.40 p.m.			**A tool for trading-off online error detection efficiency with implementation cost for sequential logic implemented in FPGAs**, G. Borowik, A. Krasniewski

	CBC A A106 Building		
9.00 - 10.00 a.m.	**KEYNOTE: Power Harvesting from Aeroelastic Flutter**, A. V. Balakrishnan		
	CBC A Building (Main Hall)		
10.00 - 10.20 a.m.	COFFEE BREAK		
	CBC A106 Building	**CBC A108 Building**	**CBC A110 Building**
	Session 5.2: Power Systems	Session 8.1: System Engineering Standards, Paradigms, Metrics, Testing, etc.	Session 9.1: General Control Systems
10.20 - 10.40 a.m.	**Modeling of Random Shading Effects in Solar Cells**, P. Singh, S. Vemuru, M. Niamat	**Efficient random number for the masking method against DPA attacks**, M. Yoshikawa	**Weather Adaptive Renewable Energy Based Self Correctional Dynamic Power System for 2020 and Beyond**, F. Aula, S. Lee
10.40 - 11.00 a.m.	**QSSSEPS - A MATLAB-based Quasi-Stationary State Simulator for Electrical Power Systems**, J. Cerda, I. Lazaro, J. Rico, J. Maldonado	**Limits in Application of Main Power Theories for Calculation of Active and Apparent Powers in Linear and Non-Linear Circuits and Systems**, M. A. Slonim	**Tuning Functions Based Adaptive Synchrony in Inferior Olive Neurons**, K. Lee, S. K. Chalike, S. Singh
11.00 - 11.20 a.m.	**Analytical Model for a Transverse Flux Permanent Magnet Machine using Improved Magnetic Equivalent Circuit**, M. Moallem, M. Zafarani, A. R. Tabesh	**TMM Appraisal Assistant Tool**, T. Tayamanon, N. Wongchingchai, A. Methawachananont, T. Suwannasart	**Parametrical regulation of economic growth based on the Lucas endogenous model with human capital**, A. Ashimov, B. Sultanov, Z. Adilov, Y. Borovskiy, A. Azhibekova
11.20 - 11.40 a.m.	**Optimal Placement of Phasor Measurement Units for Harmonic State Estimation in Unbalanced Distribution System Using Genetic Algorithms**, H. Borhani, A. Mirzaei, M. Moallem	**An optimization system for procurement logistics including both the cost of ground rent and the cost of procurement logistics**, K. Kamei, K. Tanaka	**Fault Diagnostics of Rotating Machinery**, Z. Mahmood, N. S. Khattak
11.40 - 12.00 p.m.		**Microprocessor Benchmarks – a detailed Look at Techniques, Problems and Solutions**, K.-D. Kramer, T. Stolze, A. Oppelt	
	SU (Student Union Building)		
12.00 - 1.00 p.m.	LUNCH BREAK		

Wednesday August 17

		CBC A106 Building	CBC A108 Building	CBC A110 Building
Wednesday August 17		Session 10.1: Intelligent Systems	Session 8.2: System Engineering Standards, Paradigms, Metrics, Testing, etc.	Session 9.2: General Control Systems
	1.00 - 1.20 p.m.	**New Boolean Multivalued Logic System Simplifying Inferences in Flexible Styles**, A. Sasaki, K.-Y. Sugimoto, H. Suzuki	**Model of Transportation Network Development in Aspect of Transport Comodality**, M. Jacyna, M. Kłodawski	**Control design for a pneumatically actuated parallel link manipulator**, K. Grewal, R. Dixon, J. Pearson
	1.20 - 1.40 p.m.	**Minmax regret algorithms for uncertain P||Cmax problem with interval processing times**, M. Siepak, J. Józefczyk	**Problem Posing as a System Engineering Paradigm**, C. Landauer	**An Application of Adaptive Control in the Behavioral Framework**, R. Pfaff, T. Larkowski, K. Burnham
	1.40 - 2.00 p.m.	**Acronym Expansion via Hidden Markov Models**, K. Taghva, L. Vyas	**Fast Reliability Analysis Method for Sequential Logic Circuits**, H. Jahanirad, K. Mohammadi, P. Attarsharghi	**Control Optimisation of a Domestic Heating System**, P. Kret, K. Burnham, L. Koszalka, T. Larkowski
	2.00 - 2.20 p.m.	**Image Manipulation to Incorporate Uncertainty into Image-Correlation Data Association Technique**, S. Stubberud, K. Kramer	**System of Systems Readiness Assessment**, J. Ring, A. Pizzarello, O. Friesen, B. Davies	**Modelling of an air handling unit: Hammerstein-bilinear model identification**, I. Zajic, T. Larkowski, K. Burnham, M. Sumislawska, D. Hill
	2.20 - 2.40 p.m.	**Image Correlation Based Video Tracking**, J. Ellis, K. Kramer, S. Stubberud	**Component monitoring with integrated sensors**, B. van Thiel, P. Nyhuis	**Design of parity equations using right eigenstructure assignment**, M. Sumislawska, T. Larkowki, K. Burnham
	2.40 - 3.00 p.m.	**A Hybrid Intelligent SVD-Based Digital Image Watermarking**, F. Golshan, K. Mohammadi	**Older Opteron outperforms the newer Xeon: A memory intensive application study of server based microprocessors**, R. Weerasuriya, N. Ranasinghe	
		CBC A Building (Main Hall)		
	3.00 - 3.20 p.m.	COFFEE BREAK		

		CBC A106 Building	CBC A108 Building	CBC A110 Building
Wednesday August 17		Session 10.2: Intelligent Systems	Session 8.3: System Engineering Standards, Paradigms, Metrics, Testing, etc.	Session 11.1: Distributed Computer and Computer Networks Systems
	3.20 - 3.40 p.m.	**A Dynamic System Matching Technique for Improving the Accuracy Of Subsystems**, P. Stubberud, A. Stubberud	**Modelling UAS Swarms Using Dynamic Software Archiecture**, H. Reza	**Providing strict QoS guaranties for flows with time-varying capacity requirements**, P. Swiatek, M. Drwal, A. Grzech
	3.40 - 4.00 p.m.	**Intelligent Load Frequency Control of Two-Area Multi Unit Power System with SMES**, S. Suhag, A. Swarup	**Simulation of novel Linear Inductive displacement Sensor**, M. R. Mousavi, R. P. Zangabad, S. Chamanian, M. Bahrami	**A Cognitive Approach for Congestion Control in High Traffic Networks**, E. Sharifahmadian, S. Latifi
	4.00 - 4.20 p.m.	**A novel approach to Low Volume Generic Steganalysis**, S. Arivazhagan, W. S. L. Jebarani, M. Shanmugaraj	**Self-Reference as a Principal Indicator of Complexity**, S. Hempel, R. Pineda, E. Smith	**Locating Malicious Links in Fully-Connected Networks Using a Formal Framework**, A. Khosravi, K. Mohammadi, M. Shiroie
	4.20 - 4.40 p.m.	**An agent simulation heuristics for snowplowing problems**, S. Takahashi, T. Matsuo	**Qualitative Simulation Models for Autonomous Systems**, Y. Hashiura, T. Fujimoto, T. Matsuo	
		FND (UNLV Foundations Building)		
	6.00 - 8.30 p.m.	CONFERENCE DINNER AT UNLV Foundation Building (FND)		

		CBC A A106 Building		
Thursday August 18	9.00 - 10.00 a.m.	**KEYNOTE: Constant Connection: The Systems Future of Gaming**, Chris Satchell		
		CBC A Building (Main Hall)		
	10.00 - 10.20 a.m.	COFFEE BREAK		
		CBC A106 Building	**CBC A108 Building**	**CBC A112 Building**
		Session 12: Computer Assisted Medical Diagnostic Systems	Session 13: AeroSpace Systems	Session 11.2: Distributed Computer and Computer Networks Systems
	10.20 - 10.40 a.m.	**Analysis of Human Arm Motions Recognition Algorithms for System to Visualize Virtual Arm**, K. Brzostowski, M. Zieba	**Architectural Design of Distributed Control Systems for Aero Gas Turbine Engines Using Genetic Algorithms**, D. Bourne, R. Dixon, A. Horne	**Architecture to Integrating Heterogeneous Databases Using Grid Computing**, F. Kakugawa, L. Sato, M. Brito
	10.40 - 11.00 a.m.	**Heart disease Classification using Neural Network and Feature Selection**, A. Khemphila, V. Boonjing	**An Approach to Enhance an Economical COTS FCS for UAV**, S. C. Chan, A. Lam, M. Luviano, J. Estrada, G. Zarate	**A Design of Flexible Data Channels for Sensor-Cloud Integration**, J. Melchor, M. Fukuda
	11.00 - 11.20 a.m.	**A Mobile Phone-Based Antenatal Care Support System**, A. Onashoga, A. Sodiya, H. Ajisegiri, O. Omilani	**Design of Prognostic and Health Management Structure for UAV System**, X. Li, W. Zhang	**Performance Analysis of Routing Protocols in Realistic Environment for Vehicular Ad Hoc Networks**, B. Vidhale, S. Dorle
	11.20 - 11.40 a.m.	**Addressing the Confidentiality and Integrity of Assistive Care Loop Framework using Wireless Sensor Networks**, V. Balasubramanian		**Evaluation Scheme of Tasks Allocation with Metaheuristic Algorithms in Mesh Connected Processors**, W. Kmiecik, L. Koszalka, I. Pozniak-Koszalka, A. Kasprzak
	11.40 - 12.00 p.m.			
		SU (Student Union Building)		
	12.00 - 1.00 p.m.	LUNCH		