

ICSEng 2017 Conference Program

Monday August 21	5.00 - 7.00 p.m.	TBE A Building (Great Hall)	
		REGISTRATION	

Tuesday August 22	8.00 - 8:55 a.m.	TBE A Building (Great Hall)		
		REGISTRATION BREAKFAST (mini continental)		
	9.00 - 9.15 a.m.	TBE A Building (A107)		
		CONFERENCE INAUGURATION		
	9.15 - 10.15 a.m.	KEYNOTE: The Evolving Landscape of the Energy Business, Walter Spansel		
	10.15 - 10.25 a.m.	TBE B Building (Entry)		
		ICSEng 2017 Photo		
	10.25 - 10.40 a.m.	TBE A Building (Great Hall)		
		COFFEE BREAK		
		TBE B172	TBE B174	TBE B176
		Session 8.1. Cloud Computing	Session 4.1 Intelligent Systems	Session 2.1 General Control Systems
	10.40 - 11.00 a.m.	Design, Prototype Implementation, and Comparison of Scalable Web-Push Architectures on Amazon Web Services Using the Actor Model H. Puripunpinyo, M.H. Samadzadeh	Reliability and viewpoints of selected ITS system M. Siergiejczyk, K. Krzykowska, A. Rosinski, L. A. Grieco	Performance Comparison of Extended Kalman Filter and Unscented Kalman Filter for The Control Moment Gyroscope Inverted Pendulum J. Buch, Y. Kakad, Y. Amengonu
	11.00 - 11.20 a.m.	Using SDN Approach to Secure Cloud Servers Against Flooding Based DDoS Attacks H. Guesmi, L.A. Saidane	Fundamental Matrix based Moving Object Detection using Monocular camera Y. Choi, J. H. Park, H. Jung	A Dynamic System Matching Technique-A State Space Formulation P. Stubberud, S. Stubberud, A. Stubberud
11.20 - 11.40 a.m.	Dynamic Creation of Virtual Machines in Cloud Computing Systems F. Luo, I. D. Scherson, J. Fuentes	Background Scene Dominant Color based Visibility Enhancement of Head-Up Display H. Jun Yoon, H. Jung, Y. Park	Control system of electromagnetic mill load S. Ogonowski, Z. Ogonowski, M. Swierzy, M. Pawelczyk	

Tuesday August 22	11.40 - 12.00 p.m.	Improved Data Storage Confidentiality in Cloud Computing Using Identity-Based Cryptography H. Guesmi, L.A. Saidane	Innovation in the ICT infrastructure as a key factor in enhancing road safety. A multi-sectoral approach F. Losurdo, I. Dileo, M. Siergiejczyk, K. Krzykowska, M. Krzykowski	Adaptive Neural Network based Fault Detection Design for Unmanned Quadrotor under Faults and Cyber Attacks A. Abbaspour, M. Sanchez, A. Sargolzaei, K. Yen, N. Sornkhampan
		DIN (Dining Commons)		
	12.00 - 1.00 p.m.	LUNCH BREAK		
		TBE A Building (A107)		
	1.00 - 2:00 p.m.	KEYNOTE: Control & Autonomy: Changing the Game with UAVs, Siva Banda		
		TBE B172	TBE B174	TBE B176
		Session 1.1 AeroSpace Systems	Session 4.2 Intelligent Systems	Session 10.1 Environmental Systems
	2.00 - 2.20 p.m.	Attitude Stabilization of Spacecraft with Flexible Appendages by L1 Adaptive Feedback K. W. Lee, S. Singh	Comparison of Algorithms for Finding Best Route in an Area with Obstacles L. Koszalka, P. Jarecki, P. Kopec, I. Pozniak-Koszalka, A. Kasprzak	Implementation of a Small-Scale Savonius Type Wind Turbine for Transmission Line Sensor Nodes C. Salvador, S. Fenomeno, J. R. Camacho, A. Leano, S. J. So
	2.20 - 2.40 p.m.	A Framework for Safe Navigation of Unmanned Aerial Vehicles in Unknown Environments M. Wzorek, C. Berger, P. Doherty	Improving Discovery using Meta-heuristic Echolocation S. Tayeb, S. Latifi	Design and Construction of Arc Shaped and Disc Shaped Pendulum for Vortex Bladeless Wind Generator C. Salvador, J. Teresa, J. Martinez, M. C. Bacasnot, R. J. Cabana
	2.40 - 3.00 p.m.	A Task-Space Control Law for Free-Floating Space Robots D. Isenberg	A Raspberry-Pi Prototype of Smart Transportation S. Tayeb, M. Pirouz, S. Latifi	Development of a Traffic Noise Energy Harvesting Standalone System using Piezo-electric transducers and Super-capacitor C. Salvador, J. Teresa, M. C. Abas, M. E. Castillo, K. L. Dimaano
3.00 - 3.20 p.m.	Monitoring the Kalman Gain Behavior for Maneuver Detection S. Stubberud, K. Kramer	FPGA Implementation for Epileptic Seizure Detection using Amplitude and Frequency Analysis of EEG Signals D. Selvathi, H. Selvaraj	Planned Renewable Energy Usage During Power Outage C. Salvador, A. A. Manalo, F. Andaya, A. M. Macose	

	3.20 - 3.40 p.m.	Bridging Reactive and Control Architectural Layers for Cooperative Missions Using VTOL Platforms P. Rudol, P. Doherty	Task Allocation in Torus Mesh Networks using Differential Evolution A. Wlodarczyk, I. Pozniak-Koszalka, L. Koszalka, A. Kasprzak, D. Zydek	Systems Engineering of Interdependent Food, Energy, and Water Infrastructure for Cities and Displaced Populations J. Lambert, Z. Collier, M. Hassler, A. Ganin, D. Wu
	3.40 - 4.00 p.m.	Robust Interval Adaptive Pole-Placement Controller Based on Variable Structure Systems Theory F. C. Silva Junior, J. B. Oliveira, A. D. Araujo	Development of "Strawberry Picking" Apps for Foreign Tourists A. Fujinoki, T. Fujimoto	A computer aided design for an air washer and a dehumidifier tested against two graphical solutions for their applications A. Saraei, S. Moujaes
Tuesday August 22		TBE A Building (Great Hall)		
	4.00 - 4.20 p.m.	COFFEE BREAK		
		TBE B172	TBE B174	TBE B176
		Session 11.1 Machine Learning, Hardware Systems and Systems Engineering Standards	Session 9.1 Gaming and Entertainment Systems	
	4.20 - 4.40 p.m.	A Framework for Analyzing Online Customer Ratings K. Mesarosh, F. Sun	Developing an Air Hockey Game in LabVIEW M. Bara, S. Williams, S. Gollamudi	
	4.40 - 5.00 p.m.	A Framework for a Connected Electric Vehicle Cloud to Learn Driver' Behaviors C. Lee, C. Wu, C. Chou, X. Chung, P. Zeng, Y. Lin	The development and evaluation for Japanese "Origami" application with 3D expression R. Ogawa, T. Fujimoto	
	5.00 - 5.20 p.m.	Concept of measuring the performance of IT projects A. Klaus-Rosinska	The Proposal of Educational Smartphone Application for Kaleidoscope Experience T. Nemoto, T. Fujimoto, Y. Kanai	
	5.20 - 5.40 p.m.	Analog and Mixed-Signal Verification using Satisfiability Solver on Discretized Models H. Selvaraj, N. Wanjale	Development and Evaluation of Multi Modification Design Model: Visual Expression by a Computer without CG Technology M. Adachi, T. Fujimoto	
		Hard Rock Casino		
		7.00 - 9.00 p.m.	CONFERENCE BANQUET AT Hard Rock Casino (Culinary Dropout Restaurant)	

Wednesday August 23		TBE A Building (A107)		
	8.30 - 8.55 a.m.	BREAKFAST (Mini Continental)		
	9.00 - 10.00 a.m.	KEYNOTE: The Digital Assault on Privacy, Hal Berghel		
		TBE A Building (Great Hall)		
	10.00 - 10.20 a.m.	COFFEE BREAK		
		TBE B172	TBE B174	TBE B176
		Special Session: Engineering of IoT and Big Data Applications	Session 6.1 Information and Communication Systems	Session 7.1 Distributed Computer and Computer Networks Systems
	10.20 - 10.40 a.m.	Concepts and Observations in Artificial Endocrine Systems for IoT Infrastructure S. Sinha, Z. Chaczko	Implementation and Evaluation of Document Production Support System "DLO-Editor" with Obsession Mechanism Z. Fan, T. Fujimoto	Linear Capacity Algorithms for Multicommodity Flow Problem in Computer WAN A. Zantuti
	10.40 - 11.00 a.m.	iMuDS: An Internet of Multimodal Data Acquisition and Analysis Systems for Monitoring Urban Waterways A. Kale, Z. Chaczko	Development of "Multiple Sightseeing Spot Scheduling System" and Evaluation Experiment K. Murata, T. Fujimoto	Secure Data Collection in Spatially Clustered Wireless Sensor Networks M. Kim, H. Cho
	11.00 - 11.20 a.m.	Ontological Metamodel for Consistency of Digital Heritage Preservation (DHP) L. C. Gordon, Z. Chaczko, R. Wazirali	Methods for Simulating Continuous Time Delta Sigma Modulators P. Stubberud, K. Moutafis	Interconnection Networks Efficiency in System-on-Chip Distributed Computing System: Concentrated Mesh and Fat Tree G. Chmaj, H. Selvaraj
	11.20 - 11.40 a.m.	Human Detection using Illumination Invariant Feature Extraction for natural scenes in Big Data Video frames A. Alzughaiji, Z. Chaczko	Proposal and Development of Artificial Personality with Requesting Mechanism Y. Kanai, T. Fujimoto	A Scalable NoC Emulator on Xilinx Virtex-7 FPGA M. Zhu, Y. Jiang, M. Yang, L. D. Luna
11.40 - 12.00 p.m.	Steganographic Authentication in Cloud Storage for Mitigation of Security Risks R. Wazirali, Z. Chaczko, E. Chiang	Proposal of Expressive SNS Application with Font Adjustment Function Y. Tanaka, T. Fujimoto	Practical implementation of Internet of Things Service Systems Architecture L. Falas, P. Schauer, P. Swiatek, R. Trzaska	
	DIN (Dining Commons)			
12.00 - 1.00 p.m.	LUNCH BREAK			

	TBE B172	TBE B174	TBE B176
	Special Session: Engineering of IoT and Big Data Applications (2)	Session 5.1 Industrial Automation and Robotics	Session 3.1 Power Systems
1.00 - 1.20 p.m.	Reversible Color Compression Transform for Big Data System Using Human Visual System H. Hakami, Z. Chaczko	Monotone Paths with Visibility Properties L. Gewali, B. Lama	Enterprise Management and Systems Engineering for a Mobile Power Grid H. Thorisson, A. Almutairi, J. Wheeler, D. Slutzky, J. Lambert
1.20 - 1.40 p.m.	New LQR Protocols with Intrusion Detection Schemes for IOT Security J. Jiang, Z. Chaczko, F. Al-Doghman	Fish Robotic Research Platform for Swarms M. Joordens, T. Waduge	Arc Fault Characterization System for the Low Voltage DC Arc Fault Circuit Interrupter T. Taufik, C. Aarstad, A. Kean
1.40 - 2.00 p.m.	Development and Optimization of Wireless Indoor Localization Error Modelling Z. Yu, Z. Chaczko	Flexible Semi-Automatic Arm Design for Minimally Invasive Surgery U. Bhattarai, A. T. Alouani	Modeling of roof-mountable thermoelectric generator C. Salvador, C. Ostia, A. Caliwag, A. Angeles, N. Zaldivar
2.00 - 2.20 p.m.	A Review of Aggregation Algorithms for the Internet of Things Al-Doghman, Z. Chaczko, J. Jiang	Empirical Mode Decomposition Based Denoising Algorithm for Fibre Optical Gyroscope Measurement K. Brzostowski, J. Swiatek	Design and Implementation of Hybrid Pico HydroPower Generator -Solar Photovoltaic System C. Salvador, A. Espenida, G. Vallesterio
2.20 - 2.40 p.m.	Road Vehicle Alert System Using IOT Z. Chaczko, B. Ahmed		Distribution Impact Study (DIS) for Net-Metering with Photovoltaic Renewable Energy Resource using SynerGEE C. Salvador, G. Vallesterio, A. Espenida, L. Lluisma
2.40 - 3.00 p.m.	Steganographic Image Sharing App R. Wazirali, Z. Chaczko		
	TBE A Building (Great Hall)		
3.00 - 4.00 p.m.	CLOSING COFFEE - END OF THE CONFERENCE		