



Keynote Speakers



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Interactive Session Day 2 (7th November 2017) 2.00pm to 3.30pm		Interactive Session Day 3 (8th November 2017) 2.00pm to 3.30pm	
BME	PE	ANT	DHT
1570370493 Hyperbolic Tangent Based Reconstruction of Compressively Sampled Cardiac Cine MRI Using Smooth L_1 -Norm Approximation	1570355765 A Complete Logic Based Backup Protection Scheme for Three and Six Phase Transmission System by Using Negative Sequence Currents	1570371874 A Compact Dual-band Circularly Polarized Antenna for Satellite Systems	1570372400 Towards the Development of Typhoon-Related Tweet Classifiers Despite the Sparseness of Strongly-Annotated Data
1570371113 Noise Analysis for Interference Waveform in Swept Source Optical Coherence Tomography	1570367871 Cooperative Load Frequency Control of Generator and Battery Using a Recurrent Neural Network	1570371876 Metasurface-based Low Profile Broadband Circularly Polarized Antenna	1570375686 Discovering Topics from Qualitative Responses of a Disaster Preparedness E-Participation System
1570371860 Feature Selection for Myoelectric Pattern Recognition Using Two Channel Surface Electromyography Signals	1570369065 Resonant Converters in DC Microgrid System	1570376755 Frequency Reconfigurable Square Slot Antenna for Wireless Applications	1570376236 Development of an E Hard Hat for the Safety of Construction Workers
1570373298 Precision of the Detective Quantum Efficiency in Digital Mammography Detectors	1570371198 Small-Signal Analysis for Designing A Stable Voltage-Doubler PFC System	1570376820 Miniaturized Planar Inverted-F Antenna for Off-body Wireless Body Area Network (WBAN) Application	1570376481 Design and Development of Ground and Rainwater Purification Control System in Remote Areas
1570375747 An Efficient Non-invasive Method for Brain Tumor Grade Analysis on MR Images	1570371478 Proportional Generation and Proportional Load Based Transmission Loss Allocation Considering Reactive Power Demand in Restructured Environment	1570376834 Low RCS Using Superluminal Propagation	1570376749 A Cost Effective GPS Guided Autonomous Object Transporter Robot for Disaster Management and Industrial Automation
1570375988 Modeling ECG Waveform Using Optimal Smoothing Bézier-Bernstein Curves	1570371480 Time Series Performance for Electricity Load Demand in Johor	1570380315 1.8GHz Printed Bow-Tie Dipole Rectenna with Voltage Quadrupler for RF Energy Harvesting	1570376819 Low-cost EEG Based Electric Wheelchair with Advanced Control Features
1570376091 Multimodal Interface for Temporal Pattern Based Interactive Large Volumetric Visualization	1570371846 Design and Analysis of a Hybrid Energy Harvester for Self-powered Sensor	1570380514 SakunAPP: A Framework for Mobile Application Development in Disaster Awareness, Preparedness and Response	1570376655 Overmodulation Gain Dynamics in Thulium Doped Fiber Amplifiers Including Amplified Spontaneous Emission
1570376255 Physiological Measurements on a Gaming Virtual Reality Headset Using Photoplethysmography	1570372118 Symmetrical and Asymmetrical Multilevel Inverter Using Less Number of Switches	1570370505 HoG Based Naive Bayes Classifier for Glaucoma Detection	1570376672 Optical Interconnect Chip with SPR-based Photonic Crystal Waveguide Sensor
1570376484 An Automatic Ulcer Detection Scheme Using Histogram in YIQ Domain from Wireless Capsule Endoscopy Images	1570372317 Switched Capacitor-Based PWM Converter Integrating String Converter and Voltage Equalizer for Photovoltaic Strings Under Partial Shading	1570370505 HoG Based Naive Bayes Classifier for Glaucoma Detection	1570379911 A Model of Queuing Theory for the Performance Analysis of Nodes in WDM Networking
1570376570 Development of a Low Power 8-Bit Successive Approximation Register ADC in 90nm Process Technology for Biomedical Application	1570372340 Organic Photovoltaic Cell Fabrication with Reduced Graphene Oxide and Chlorophyllin as Layers	1570373586 Analysis on Various Segmentation Techniques - IMT Measurement of Common Carotid Artery	1570380094 Transmission Performance of Hybrid WDM-FSO System for Using Diversity Multiplexing in the Presence of Optical Nonlinearities and Fading
1570376604 A Novel Approach for the Identification of Chronic Alcohol Users from ECG Signals	1570372435 Load Prediction Using Support Vector Regression	1570373508 Strain-Elasticity of Popliteal Vein in Pregnancy for Early Diagnosis of Deep Vein Thrombosis	1570380094 Transmission Performance of Hybrid WDM-FSO System for Using Diversity Multiplexing in the Presence of Optical Nonlinearities and Fading
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IEEE REGION 10 CONFERENCE (TENCON) 2017 | Penang, Malaysia



Keynote Speakers



Karen Bartleson
2017 IEEE President and CEO



Hein Teik Chuah
IEEE Fellow and President, UTAR



Vincenco Puri
IEEE Fellow

DAY 1: 6th November																				
PE01 (Ballroom)			HAC01 (Wembley 5)			CS01 (Wembley 6)			BME01 (Wembley 7)			WCN01 (Wembley 8)			SIP01 (Wembley 9)			PE02 (Wembley 10)		
11:30	1570374042	Maximization of Wind Energy Utilization Through A Multi-Objective Optimization Framework	INVITED TALK	1570372552	Peak parameter prediction - diagnosis/monitoring gait disorders among children	1570372552	Peak-Triggered Sampling Circuitry for a Fine-Structure-Aware Cochlear Implant	1570372383	An Automatic Scheme for Brain Tumor Region Detection From 3D MRI Data Based on Enhanced Intensity Variation	1570372745	Plummeting Flood Based Distributed DoS Attack to Upgrade Networks Performance in Ad-Hoc Networks Using Neighborhood Technique	1570376720	An Accelerometer Based Handwriting Recognition of English Alphabets Using Basic Strokes	1570375259	High Voltage Insulating Material Life Under Partial Discharge Degradation					
11:45	1570376855	Selective Frequency Synchronization Technique for a Fast Seamless Mode Transition in Droop Control	INVITED TALK	1570372528	Assistive neuroprostheses for gait rehabilitation among children	1570372528	Implementation of a Real-Time Rayleigh, Rican and AWGN Multipath Channel Emulator	1570379946	Tensor Gradient Based Discriminative Region Analysis for Cognitive State Classification	1570374264	An Investigation of an S-box Mechanism in Modern Block Cipher Design	1570380038	Real-Time Monocular Human Height Estimation Using Bimodal Background Subtraction	1570377044	Applications of CMOS Multiplexers in Finding Temperature Distribution Pattern in EPR Cable with Presence of Void					
12:00	1570367878	Transient Stability Evaluation by the Time Domain Equal-area Criterion Using the Taylor Series Expansion	INVITED TALK	1570371955	Design considerations for rehabilitation robot	1570371955	An Improved Extreme Learning Machine for Pathological Brain Detection	1570376043	Cyclic Shift Resolution Effects on OFDM System Employing Cyclic-SLM with Delayed Correlation and Matched Filter	1570376031	Examination of Sub-stroke and Face Authentication for e-Testing	1570376487	Detecting Orientation of In-Plane Rotated Face Images Based on Category Classification by Deep Learning	1570379763	EE Analysis of a Kalina Cycle System 11 Integrated 1500kW Combined Thermal Power Plant					
12:15	1570368133	Economic Emission Dispatch of a Droop-Controlled DC Microgrid	INVITED TALK	1570372169	Smart humanitarian technologies for elderly underserved community	1570372169	A Proposed Reliable and Power Efficient L4/L5 Full Adder Circuit Design	1570376743	A Unified Approach for Detection of Diagnostically Significant Regions-of-Interest in Retinal Fundus Images	1570375396	Approximate Analysis of AKRDA MAC Protocol with Decoupling Algorithm for Satellite Uplink Access	1570375197	2D and 3D Face Recognition Using Convolutional Neural Network	1570368412	Study on Upgrade and Renewal of Transformers Using Safety-First Model of the Optimal Portfolio Selection					
12:30	1570371054	Performance Characteristics in Unsymmetrical Flux Distribution of 150 kV Three Phase Transformer	INVITED TALK	1570371481	Low cost assistive humanitarian technologies for physically challenged people	1570371481	Performance Study of Multi-bit Vote Count with Weak Range	1570376724	Automatic Optic Cup Segmentation Using Kasai's Circle Fitting Technique	1570375404	Performance Analysis of Multi-Channel Pure Collective Aloha MAC Protocol for Satellite Uplink Access									

DAY 2: 7th November																				
PE03 (Ballroom)			RCT01 (Wembley 5)			CS02 (Wembley 6)			BME02 (Wembley 7)			WCN02 (Wembley 8)			SIP02 (Wembley 9)			PE04 (Wembley 10)		
15:45	1570372822	Dynamic Coupling Based Amplitude Death Solution for Stabilizing DC Microgrids	INVITED TALK	1570376364	Implementation of a Maximum Power Point Tracking System and an LDO Regulator for Interface Circuits of Solar Energy Harvesters for Wireless Sensor Nodes	1570376364	Implementation of a Maximum Power Point Tracking System and an LDO Regulator for Interface Circuits of Solar Energy Harvesters for Wireless Sensor Nodes	1570376364	Implementation of a Maximum Power Point Tracking System and an LDO Regulator for Interface Circuits of Solar Energy Harvesters for Wireless Sensor Nodes	1570376364	Implementation of a Maximum Power Point Tracking System and an LDO Regulator for Interface Circuits of Solar Energy Harvesters for Wireless Sensor Nodes	1570376720	An Accelerometer Based Handwriting Recognition of English Alphabets Using Basic Strokes	1570375259	High Voltage Insulating Material Life Under Partial Discharge Degradation					
16:00	1570384892	Optimization of Market Clearing Price Using Firefly and PSO Algorithm in Bilateral Electricity Market	1570385551	On Creating Low Dimensional 3D Feature Descriptors with PCA	1570376153	Efficient Implementation of Adder Circuits in Memristive Crossbar Array	1570380254	Errors in Remote Healthcare System: Where, How and by Whom?	1570372679	SDN-enabled Loss Mitigation of Wireless Sensor Network Data Traffic	1570375708	A Distinctive Similarity Rendering Approach to Reconstruct Hyperbolic Apices in GPR Images	1570374919	A Reflex-Charging Based Bidirectional DC Charger for Light Electric Vehicle and DC-Microgrid						
16:15	1570384487	An Artificial Neural Network Based Controller for MLC-UPQC with Power Angle Adjustment	1570379510	Deep Affordance Learning for Single-And Multi-Instance Object Detection	1570376149	Switched-Capacitor Regulator with Digital Feedback	1570383007	Denoising of Medical Ultrasound Images Based on Non-local Similarity: A Low-Rank Approach	1570374692	Localization in Wireless Sensor Network Using LLE-ISGMAP Algorithm	1570371661	A Low-Rank Enhancement Reconstruction Algorithm for Compressed Image Sensing	1570376342	Mini-Scale Medium-Voltage Cascaded H-Bridge Battery Storage System Based on Virtual Synchronous Generators						
16:30	1570370635	Modeling and Analysis of the Novel Memristor-based Photovoltaic Cell	1570386571	Obstacle Avoidance with Brake Points by Invasion and Escape Avoiding Virtual States	1570376070	Analysis of Antenna Measurement Method for Wireless Power Transmission	1570376449	Content Based Disease Classification Using Reticular Pattern Transform and Five Class Features with Greedy Stochastic Based on GCMC	1570376349	A Content Based Disease Classification MAC Protocol for Transmission Delay Reduction in a Multi-Hop WSN	1570376831	Interpolation Based on Similarity in Subband Partition for Image Super Resolution	1570376319	Boost Converter Based on Coupled Inductor and Voltage Lift Cell						
16:45	1570369980	A Novel Variable Width PWM Switching Based Buck Converter to Control Power Factor Correction Phenomenon for an Efficient Grid Integrated Electric Vehicle Battery Charger	1570379788	Network Based Control of 2-DOF Serial Flexible Link Manipulator	1570375924	A New Supervised Learning Approach for Visual Pattern Recognition Using Discrete Circuit Elements and Memristor Array	1570384400	Preliminary 3D Performance Evaluation on Automatic Lung Segmentation for Intra-rat Lung Disease Using High Resolution Computed Tomography	1570379270	Pre-Cycle Predictive Connectivity Re-establishment in Wireless Sensor Network in the Presence of Dumb Nodes	1570376943	A Detection and Tracking Method Based on Monopulse Radar in FSX Mode Applied in Smart Transportation Systems	1570376187	Model Predictive Control for Circulating Current Suppression in Parallel-Connected PMSM Drive						
17:00	1570368139	Superconducting Magnetic Energy Storage System with an Adaptive Control Algorithm for Reducing the Impact of Smart Power Generation	1570380244	Concept of an Inspection Robot for H-shaped Steel Structures	1570379488	Design of High Frequency F Flip Flop Circuit for Phase Detector Application	1570384390	Lung Disease Severity Classification Using Reticular Pattern and Five Class Features based on GCMC	1570380311	Energy Efficient Geographic Clustered Multi-hop Routing for Underwater Sensor Networks	1570379072	Robust Distributed Active Noise Control in Presence of Secondary Path and Error Sensor	1570376184	An Inductor-less Bidirectional DC-DC Converter Topology for High Voltage Gain Applications						
17:15	1570374877	A Comparative Analysis of Weighted and Unweighted Power Grid Networks	1570375927	Effect of Activity Space on Detection of Human Activities by Domestic Service Robots	1570373305	Minimal Test Set Generation for Input Stuck-at and Bridging Faults in Reversible Circuits	1570375252	Gas Turbine Health Prognostics Using Artificial Neural Network	1570381461	Simulation Analysis of Multi-Dimensional WSNs Using NS-3	1570375746	A Real-valued Approach for Wideband DOA Estimation Using Spherical Arrays	1570375743	Performance of Indirect Matrix Converter with Improved Control Feeding to Induction Motor for Speed Control by Using PI and Fuzzy Controllers						

DAY 3: 8th November																				
PE05 (Ballroom)			CAS01 (Wembley 5)			CS03 (Wembley 6)			RCT02 (Wembley 7)			CS03 (Wembley 8)			WCN03 (Wembley 9)			PE06 (Wembley 10)		
09:45	1570372822	Space Solar Power System - Beneficial Power Source to Equatorial Countries	1570370780	PWSF: Planar-West-South-First Routing Algorithm for 3D Network-on-Chip	1570370780	PWSF: Planar-West-South-First Routing Algorithm for 3D Network-on-Chip	1570370780	PWSF: Planar-West-South-First Routing Algorithm for 3D Network-on-Chip	1570370780	PWSF: Planar-West-South-First Routing Algorithm for 3D Network-on-Chip	1570370780	PWSF: Planar-West-South-First Routing Algorithm for 3D Network-on-Chip	1570375259	High Voltage Insulating Material Life Under Partial Discharge Degradation						
10:00	1570372870	Performance Comparison of Hybrid ANN Based Control of DFIG for Various Faulty Conditions	1570371471	A Fast Online Task Placement Algorithm on 3D Partially Reconfigurable Devices	1570370972	Learning to Predict the Adequacy of Answers in Chat-Oriented Human-Agent Dialogs	1570376568	MIRA: with Variable Adaptation Gain for First Order Systems	1570379543	Highly Consistent Bulk Driven Quasi Floating Gate (BQFG) PMOS Pseudo-resistor Design and Implementation in 0.18 Micron Meter Technology	1570370766	Distributed Device Discovery in ProSe Environments	1570374046	Analysis of Power Losses for a Nine-Switch Inverter in Common-Frequency Mode Application						
10:15	1570372922	Myths and Facts of Dual-Frequency Operation of LED Lamps	1570375017	VLSI Realization of Low Complexity Pipelined LMS Filter Using Distributed Arithmetic	1570372137	Mining the past to Determine the Future Market: Sales Forecasting Using TSQM Framework	1570375818	Analytical Structure of a General Takagi-Sugeno Fuzzy PID Controller	1570378534	A Low Cost Robust Radiation Hardened Flip-Flop Circuit	1570371117	Signal Analysis for Touch Application Using Intra-Body Communication	1570371462	A Reliable Multilevel Inverter with Fault Tolerance						
10:30	1570373093	Comprehensive Modeling and Joint Optimization of Ice Thermal and Battery Energy Storage with Provision of Grid Services	1570376709	Performance Evaluation of Genetic Algorithm to Solve Hardware-Software Partitioning Design: A Factorial Design Analysis	1570373161	Web Authoriser Tool to Build Assessments Using Wikipedia Articles	1570376924	Optimal Detuning Parameter Design for Decentralized Control of MIMO Processes	1570376924	Design of Sigma-Delta Analog to Digital Converters Implemented in 65nm Digital CMOS Process for IoTs	1570376831	Influence of Non-Uniform User Distribution on Throughput Performance in Outdoor Macro-Cellular Networks	1570371403	Improvement of Power Regeneration Efficiency in the Electronic Vehicle Using Charge Switching by the Current Value						
10:45	1570373324	An Exhaustive Search Based Spoofery Error Detection Method and Its Validation in Real Time Digital Simulator	1570376939	A Study on Partial Reconfiguration with Compression via Modularizing Secondary Processes: A Factorial Design Analysis	1570374225	Gramatika: A Grammar Checker for the Low-Resourced Filipino Language	1570375957	Artificial Bee Colony Based Design of the Interval Type-2 Fuzzy PID Controller for Robot Manipulator	1570376897	0.5 V Output Digital Low Dropout (LDO) Voltage Regulator with VCO-based Digital Feedback Loop	1570372439	Peak-to-Average Power Ratio and Power Amplifier Back-off Requirements in Wireless Transmissions	1570370959	Review and Simulation of Flyback Topology for Module Level Parallel Inverters in PV Power Systems						
11:00	1570373440	Real-time Active and Reactive Power Control of a Doubly-Fed Induction Generator Based Wind Energy Conversion System	1570379847	Low-Cost IMU and GPS Fusion Strategy for Apron Vehicle Positioning	1570375420	Augmenting MultiVAL with Automated Extraction of Vulnerabilities Descriptions	1570375938	Highly Optimized Low Modified Active Disturbance Rejection Controller for Power System Load Frequency Control	1570376866	Subthreshold CMOS Low-Transconductance OTA for Powerline Interference Elimination Notch	1570373778	UWB Positioning Accuracy and Enhancements	1570370803	Loss Reduction and Field Testing for Switched Capacitor-Based Cell-Level Power Balancing Utilizing Diffusion Capacitance of Photovoltaic Cells						