

DAY 1 6th November

PE01 (Ballroom 2) - Session Chair: Changgang Li		HAC01 (Wemley 5) - Session Chair: Yu Zheng Chong		CS01 (Wemley 6) - Session Chair: Preetisudha Meher		BME01 (Wemley 7) - Session Chair: Nasreen Badrudin		WCN01 (Wemley 8) - Session Chair: Norihiko Shinomiya		PE02 (Wemley 10) - Session Chair: Apurba Layek									
11:30	1570374042	INVITED TALK	Maximization of Wind Energy Utilization Through A Multi-Objective Optimization Framework	1570372552	INVITED TALK	Gait parameter prediction - diagnosing/monitoring gait disorders among children	1570372552	1570372383	INVITED TALK	An Automatic Scheme for Brain Tumor Region Detection from 3D MRI Data Based on Enhanced Intensity Variation	1570375745	1570376720	INVITED TALK	Plummeting Flood Based Distributed-DoS Attack To Upsurge Networks Performance in Ad-Hoc Networks Using Neighbor-based Traffic	1570377044	1570377044	INVITED TALK	Applications of COMSOL Multiphysics in Finding Temperature Distribution Pattern in EPR Cable with Presence of Void	
11:45	1570376855	SELECTIVE TALK	Selective Frequency Synchronization Technique for a Fast Seamless Mode Transition in Droop Control	1570372528	INVITED TALK	Assistive neuroprosthesis for gait rehabilitation among children	1570372528	1570379946	1570374164	1570374164	1570380038	1570380038	1570380038	1570380038	1570380038	1570380038	1570380038	1570380038	1570380038
12:00	1570376878	INVITED TALK	Transient Stability Evaluation by the Time Domain Equal-area Criterion Using the Taylor Series Expansion	1570371955	1570371955	A Design Method of nMOS Dynamic Shift Registers for Small Liquid Crystal Displays	1570380407	1570380407	1570374912	1570374912	1570376031	1570376031	1570376031	1570376031	1570376031	1570376031	1570376031	1570376031	1570376031
12:15	1570368133	INVITED TALK	Economic-Emission Dispatch of a Droop-Controlled DC Microgrid	1570371619	1570371619	A Proposed Reliable and Power Efficient 14T Full Adder Circuit Design	1570376743	1570376743	1570375396	1570375396	1570379487	1570379487	1570379487	1570379487	1570379487	1570379487	1570379487	1570379487	1570379487
12:30	1570371054	INVITED TALK	Force-response Characteristics in Unsymmetrical Flux Distribution of 150 kV Three Phase Transformer	1570371481	1570371481	Performance Study of Multi-bit Vote Count with Weak Range	1570376724	1570376724	1570375404	1570375404	1570371917	1570371917	1570371917	1570371917	1570371917	1570371917	1570371917	1570371917	1570371917

DAY 2 7th November

PE05 (Ballroom 2) - Session Chair: Venkata Reddy Kota		CAS01 (Wemley 5) - Session Chair: Prachi Palsodkar		CIS01 (Wemley 6) - Session Chair: Pradyut Kumar Biswal		RCT02 (Wemley 7) - Session Chair: Argel Bandala		CS03 (Wemley 8) - Session Chair: Rajib Kar		WCN03 (Wemley 9) - Session Chair: Muneendra Ojha		PE06 (Wemley 10) - Session Chair: Rajasekar Natarajan							
09:45	1570372822	INVITED TALK	Dynamic Coupling Based Amplitude Death Solution for Stabilizing DC Microgrids	1570379510	1570379510	Deep Affordance Learning for Single- And Multiple-Instance Object Detection	1570376149	1570376149	1570372679	1570372679	1570375709	1570375709	1570375225	1570375225	1570375225	1570375225	1570375225	1570375225	1570375225
10:00	1570384392	1570384392	Optimization of Market Clearing Price Using Firefly and PSO Algorithm in Bilateral Electricity Market	1570379510	1570379510	Deep Affordance Learning for Single- And Multiple-Instance Object Detection	1570376149	1570376149	1570372679	1570372679	1570375709	1570375709	1570374046	1570374046	1570374046	1570374046	1570374046	1570374046	1570374046
10:15	1570384487	1570384487	An Artificial Neural Network Based Controller for MLC-UPQC with Power Angle Adjustment	1570379510	1570379510	Deep Affordance Learning for Single- And Multiple-Instance Object Detection	1570376149	1570376149	1570372679	1570372679	1570375709	1570375709	157037462	157037462	157037462	157037462	157037462	157037462	157037462
10:30	1570370635	1570370635	Modeling and Analysis of the Novel Memristor-based Photovoltaic Cell	1570379788	1570379788	Network Based Control of 2-DOF Serial Flexible Link Manipulator	1570376070	1570376070	1570374692	1570374692	1570375631	1570375631	1570376342	1570376342	1570376342	1570376342	1570376342	1570376342	1570376342
10:45	1570369980	1570369980	A Novel Variable Width PWM Switching Based Buck Converter to Control Power Factor Correction Phenomenon for an Efficiency	1570380244	1570380244	Concept of an Inspection Robot for H-shaped Steel Structures	1570375924	1570375924	1570379270	1570379270	1570376943	1570376943	1570376187	1570376187	1570376187	1570376187	1570376187	1570376187	1570376187
11:00	1570368139	1570368139	Superconducting Magnetic Energy Storage System with an Adaptive Control Algorithm for Reducing the Impact of Smart Power Generation	1570375927	1570375927	Effect of Activity Space on Detection of Human Activities by Domestic Activity Robots	1570375868	1570375868	1570380131	1570380131	1570379072	1570379072	1570376164	1570376164	1570376164	1570376164	1570376164	1570376164	1570376164
11:15	1570374877	1570374877	A Comparative Analysis of Weighted and Unweighted Power Grid Networks	1570376606	1570376606	Three-Axis Digital Accelerometer Based Wireless Gait Analysis with Wearable System-On-Chip Designs	1570373305	1570373305	157035252	157035252	1570375766	1570375766	1570375743	1570375743	1570375743	1570375743	1570375743	1570375743	1570375743

DAY 3 8th November

PE10 (Ballroom 2) - Session Chair: Toshihisa Funabashi		SMC01 (Wemley 5) - Session Chair: Sachin Jain		PHO01 (Wemley 6) - Session Chair: Mustafa Chowdhury		CIS03 (Wemley 7) - Session Chair: Luis Fernando D'Haro		RCT03 (Wemley 8) - Session Chair: Shaik Rafi Ahmed		WCN06 (Wemley 9) - Session Chair: Shashidhar Koolagudi		PE11 (Wemley 10) - Session Chair: Mohamed Shaaban	
09:45	1570375994	1570371049	Security Constrained Dynamic Optimal Power Flow with Multiple Energy Storage	1570376093	1570376093	Host Based Intrusion Detection System Using Frequency Analysis of N-Gram Terms	1570380191	1570375440	1570374056	1570374056	1570374034	1570379963	1570379963
10:00	1570376042	1570376042	Harmonic Elimination Based on Curve Fitting Method for Modular Multilevel Converters	1570376044	1570376044	Real-Time Three-Dimensional Smooth Path Planning for Unmanned Aerial Vehicles in Completely Unknown Cluttered Environments	1570371503	1570376097	1570378639	1570378639	1570371981	1570379968	
10:15	1570376120	1570376120	Optimized Load Sharing of LED Drivers in DC Homes Using Game Theoretic Approach	1570375642	1570375642	Modelling of Dry Low Emission Gas Turbine Using Black-Box Approach	1570371109	1570376097	1570378639	1570378639	1570374222	1570380035	
10:30	1570376176	1570376176	Modelling of Dry Low Emission Gas Turbine Using Black-Box Approach	1570375642	1570375642	Modelling of Dry Low Emission Gas Turbine Using Black-Box Approach	1570371109	1570376097	1570378639	1570378639	1570374222	1570380035	
10:45	1570376180	1570376180	A Study on Consumer Switching Behavior with a Matching Problem in Electricity Markets	1570376730	1570376730	Equilibrium of Rumor Propagation: Deterministic and Network Approaches	1570375380	1570376097	1570378639	1570378639	1570374222	1570380035	
11:00	1570376197	1570376197	A Robust Resonance Damping of LCL-filter Based Grid-Connected Converter with Linear Active Disturbance Rejection Control	1570380286	1570380286	Analysis on Assignment Balance of Store Staff by Multistage Queue Model	1570376096	1570376097	1570378639	1570378639	1570374222	1570380035	

Interactive Session Day 2 (7th November 2017) 2.00pm to 3.30pm (Ballroom 2)

Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID
Session Chair: Rakesh Ranjan				Session Chair: Feroz Ahmed				Session Chair: Dipti Patra				Session Chair: Ryan Richard Guadana			
1570355765	A Complete Logic Based Backup Protection Scheme for Three and Six Phase Transmission System by Using Negative Sequence Currents	PE	A-1	1570372635	Non-Isolated Multi-Port Converter Integrating PWM and Phase-Shift Converters	PE	B-1	1570373720	A Study on Pre-Processing Methods for Copy-Move Forgery Detection Based on SIFT	SIP	C-1	1570375732	Local Auxiliary-Color Maximum Vector Pattern: A New Feature Descriptor for Image Indexing and Retrieval	SIP	D-1
1570379576	Analysis of D-Statcom for Power Quality Enhancement in Distribution Network	PE	A-2	1570384526	Optimal Data Subcarrier Allocation for Wireless Power Transmission System	PE	B-2	1570381497	Acoustic Analysis of Indian Classical Music Using Signal Processing Methods	SIP	C-2	1570372458	Localization of License Plates Using Optimized Edge and Contour Detection Technique	SIP	D-2
1570381054	Development of Modified Cascaded Multilevel Inverter Configuration with Less Number of Switches	PE	A-3	1570375830	Optimal ESSs and Demand Response Can Help to Make Profitable Optimal Thermal UC in Case of High Penetration of PVs	PE	B-3	1570381502	Emotion Recognition from Speech Signal	SIP	C-3	1570371195	Marathi Digit Recognition Using Lip Geometric Shape Features and Dynamic Time Warping	SIP	D-3
1570367871	Cooperative Load Frequency Control of Generator and Battery Using a Recurrent Neural Network	PE	A-4	1570380040	Optimal PEVs Charging Control for Frequency Stabilization Considering Communication Delay in Remote Microgrid	PE	B-4	1570376671	Archetypal Coherent Color Acquisition	SIP	C-4	1570375059	Optimal Design of Discrete Rational Approximation of the S _q Operator Without Using a Generating Function	SIP	D-4
1570375907	Cost Effective Optimal Solution for Hybrid Power System Among Diverse Sources of Renewable Energy	PE	A-5	1570376634	Performance Analysis of Unified Power Quality Conditioner Controlled with ANN and Fuzzy Logic Based Control Approaches	PE	B-5	1570376824	Automated Traffic Measurement System Based on FCD and Image Processing	SIP	C-5	1570371122	Optimal Digital Rational Approximation of Fullband Differentiator Designed Using Adaptive Gbest-Guided Gravitational Search Algorithm	SIP	D-5
1570371846	Design and Analysis of a Hybrid Energy Harvester for Self-powered Sensor	PE	A-6	1570371478	Proportional Generation and Proportional Load Based Transmission Loss Allocation Considering Reactive Power Demand in Restructured Environment	PE	B-6	1570376798	Automatic Bengali Number Plate Reader	SIP	C-6	1570376357	Orthogonal Least Squares Algorithm for the Multiple-Measurement Vectors Problem	SIP	D-6
1570375655	Design Methodology and Sensorless Control of Electric Propulsion System Using DTC-SVM	PE	A-7	1570369065	Resonant Converters in DC Microgrid System	PE	B-7	1570379552	Development of Playback Attacks Detection System	SIP	C-7	1570379303	Parameter Estimation of Wiener Nonlinear Model Using Least Mean Square (LMS) Algorithm	SIP	D-7
1570372537	Development of a Smart Controller for Hybrid Net Metering	PE	A-8	1570373370	Robust Damping Controller Design for Damping Enhancement of Inter-Area Oscillations Considering Communication Network Constraints	PE	B-8	1570376478	An Effective Combination Scheme for Improving Speaker Verification Performance	SIP	C-8	1570380153	Real-time Detection of S2 Sound Using Simultaneous Recording of PCG and PPG	SIP	D-8
1570380190	Economic and Emission Generation Scheduling of Thermal Power Plant Incorporating Wind Energy	PE	A-9	1570372854	Single-Switch Voltage Equalizer Based on Forward-Flyback Resonant Voltage Multiplier for Partially-Shaded Series-Connected Photovoltaic Modules	PE	B-9	1570371792	Disparity Estimation Using Adaptive Superpixel Assignment and Gradient Weight, Binary Cost, and Dilated Local Matching Algorithm	SIP	C-9	1570380314	Robust Features for Automatic Estimation of Physical Parameters from Speech	SIP	D-9
1570372520	Effect of Depth and Salinity of Basin Water on Performance of Solar Still	PE	A-10	1570371198	Small-Signal Analysis for Designing A Stable Voltage-Doubler PFC System	PE	B-10	1570376817	Efficient Contour Generation on GPU for Multivalued High Resolution Images	SIP	C-10	1570364521	Robust Human Re-identification Using Mean Shape Analysis of Face Images	SIP	D-10
1570376438	Empirical Mode of Detection in DFIG Based WECS	PE	A-11	1570372337	Switched Capacitor-Based PWM Converter Integrating String Converter and Voltage Equalizer for Photovoltaic Strings Under Partial Shading	PE	B-11	1570374918	Efficient Plant Leaf Representations: A Comparative Study	SIP	C-11	1570376611	Rust Detection Using Image Processing via Matlab	SIP	D-11
1570379603	Energy Management Technique for Home Micro Grid System	PE	A-12	1570376685	Transformer-Less Cell Voltage Equalizer Using Switched Capacitor Voltage Divider and Series-Resonant Voltage Multiplier for Series-Connected Electric Double-Layer Capacitors	PE	B-12	1570380281	Fast Matrix Decomposition for DOSY Using the Eigenvalue Decomposition and the Difference Approximation	SIP	C-12	1570379888	Scale Registration Based on Descriptor Analysis and B-spline Matching	SIP	D-12
1570372340	Organic Photovoltaic Cell Fabrication with Reduced Graphene Oxide and Chlorophyllin as Layers	PE	A-13	1570372118	Symmetrical and Asymmetrical Multilevel Inverter Using Less Number of Switches	PE	B-13	1570376555	Hardware Implementation of Compressive Sensing for Image Compression	SIP	C-13	1570378868	Self-controlling Mechanism over Newly Proposed Variable Step Size LMS Algorithm	SIP	D-13
1570375417	Forecasting of Photovoltaic Power Using Deep Belief Network	PE	A-14	1570371480	Time Series Performance for Electricity Load Demand in Johor	PE	B-14	1570378610	Improved Face Recognition on Video Surveillance Images Using Pose Correction	SIP	C-14	1570371538	SmallStore: A Region-of-Interest Based Adaptive System for Compressing Human Face Videos	SIP	D-14
1570379904	Optimum Long-Term Planning for Microgrid	PE	A-15	1570376353	A Compact Fuzzy Rule Interpretation of SVM Classifier for Medical Whole Slide Images	SIP	B-15	1570369700	Impulse Noise Removal from Color Images: An Approach Using SVM Classification Based Fuzzy Filter	SIP	C-15	1570366919	The Comparative Study on Separation of Sound Sources in Various Cases	SIP	D-15
1570376306	Grid-Flux-Oriented Control and Synchronization for a Doubly-Fed Induction Generator System	PE	A-16	1570372462	A kNN-based Approach for the Machine Vision of Character Recognition of License Plate Numbers	SIP	B-16	1570374117	Multi-factor Analysis of Texture and Color-Texture Features for Robust Hand Detection in Non-Ideal Conditions	SIP	C-16	1570376472	Tracking of Object in Occluded and Non-occluded Environment Using SIFT and Kalman Filter	SIP	D-16
1570372435	Load Prediction Using Support Vector Regression	PE	A-17	1570379397	A Novel CS Beamformer root-MUSIC Algorithm and Its Subspace Deviation Analysis	SIP	B-17	1570374486	Chromosome Banding for Karyotype Based on Fractional Order Derivative	SIP	C-17	1570365215	Validation of Clusters for M-Foot Shape Measurement: Malaysian Women Foot Shape	SIP	D-17
1570379611	Modeling and Simulation of Neural Based Speed Controller for Direct Torque Control of Three Phase Induction Motor	PE	A-18	1570374674	A Study on Evoked Potential by Inaudible Auditory Stimulation Toward Continuous Biometric Authentication	SIP	B-18	1570373060	Lead Source Separation for Indian Instrumental Audio	SIP	C-18	1570372311	Verification and Analysis of Electromagnetic Environment Based on Simulink	SIP	D-18

Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID
Session Chair: S D Madhu Kumar				Session Chair: Kashif Nisar				Session Chair: Mamiko Inamori							
1570372111	Visual Positioning System for Automated Indoor/Outdoor Navigation	SIP	E-1	1570380164	Quantifying Blood Glucose Level Using S11 Parameters	BME	F-1	1570376569	Design of an AC Excitation Hall Sensor Front-End System with 12-bit SAR ADC	CS	G-1	1570375835	An Efficient Authorization Framework for Securing Industrial Internet of Things	SW	G-19
1570380258	A Fast Automated Lung Segmentation Method for the Diagnosis of Lung Cancer	BME	E-2	1570380018	Real-Time Paediatric Neurorehabilitation System	BME	F-2	1570372122	Energy Efficient, Noise Immune 4X4 Vedic Multiplier Using Semi-Domino Logic Style	CS	G-2	1570355814	Simplified Data Partitioning in a Consistent Hashing Based Sharding Implementation	SW	G-20
1570376604	A Novel Approach for the Identification of Chronic Alcohol Users from ECG Signals	BME	E-3	1570380270	An IoT Ecosystem for the Implementation of Scalable Wireless Home Automation Systems at Smart City Level	WCN	F-3	1570371147	Power Management IC Architecture in Automotive Environment: Case Study of Rear View Camera	CS	G-3	1570379654	A Case Study to Design a Mobility as a Service Model for Urban Female Corporates to Improve Their Work Performance	SIT	G-21
1570377986	A Study and Analysis of Image Enhancement Techniques Augmenting Dental Pantamograms to Review Jawbone Cysts and Tumors	BME	E-4	1570370776	Cost-Effective Gateway Selection Scheme for Delay-Tolerant Data Transmission in Internet of Things	WCN	F-4	1570372202	Proposal of Hamming Distance Detectors Using a Clocked Neuron MOS Inverter to CAM	CS	G-4	1570371300	Factors Affecting the Continuous Use of Cloud Computing Services from Expert's Perspective	SIT	G-22
1570376633	Affirmation of Electronic Patient Record Through Bio-electric Signal for Medical Data Encryption Authenticity	BME	E-5	1570376376	Design of Database and Secure Communication Protocols for Internet-of-Things-based Smart Home System	WCN	F-5	1570352013	Stability-Guaranteed Minimax Design of Variable Bandpass Digital Filter	CS	G-5				
1570376484	An Automatic Ulcer Detection Scheme Using Histogram in YIQ Domain from Wireless Capsule Endoscopy Images	BME	E-6	1570376503	Prototyping Design of IR Remote Controller for Smart Home Applications	WCN	F-6	1570355181	A Novel Way of 3D Map Making Using A Laser Rangefinder for Plane Surfaces	RCT	G-6				
1570376806	Basic Hand Action Classification Based on Surface EMG Using Autoregressive Reflection Coefficient	BME	E-7	1570376318	e-ARP: An Efficient, Adaptive and Robust Protocol for Effective Data Communication in VANETS	WCN	F-7	1570372224	An Integrated Path Planning System for a Robot Designed for Oil Palm Plantations	RCT	G-7				
1570375747	An Efficient Non-invasive Method for Brain Tumor Grade Analysis on MR Images	BME	E-8	1570380404	Hybrid Trie Based Approach for Longest Prefix Matching in IP Packet Processing	WCN	F-8	1570372839	Designing Modular Robotic Architecture for E-commerce Bin Picking Task Fulfillment	RCT	G-8				
1570383018	Automated Detection of Nonphysiological Artifacts in Polysomnographic EEG Using Conventional Signal Processing Techniques	BME	E-9	1570369716	Joint Routing, MAC and Physical Layer Protocol for Wireless Sensor Networks	WCN	F-9	1570373386	Experimental Realization of a Decentralized Active Disturbance Rejection Controller for a Coupled Tank System	RCT	G-9				
1570376570	Development of a Low Power 8-Bit Successive Approximation Register ADC in 90nm Process Technology for Biomedical Application	BME	E-10	1570375299	Keep-out Distance of the IEEE 802.11af System from Digital TV Broadcast Contour	WCN	F-10	1570376177	FPGA Based Fuzzy Control Technique for Obstacle Avoidance	RCT	G-10				
1570380245	Enhanced Fast Retina Keypoint Descriptor	BME	E-11	1570362368	Sampling Clock Offset Estimation and Correction in Frequency Domain for OFDM Receivers	WCN	F-11	1570373914	Inverse Kinematic Control of a Shape Memory Alloy Actuated Smart Needle for Percutaneous Intervention	RCT	G-11				
1570371960	Feature Selection for Myoelectric Pattern Recognition Using Two Channel Surface Electromyography Signals	BME	E-12	1570371071	Signal-Propagation Analysis for Two-Person Intra-Body Communication Services	WCN	F-12	1570373732	A Human Care System by a Mobile Robot Employing Cooperative Objects Recognition	SMC	G-12				
1570370493	Hyperbolic Tangent Based Reconstruction of Compressively Sampled Cardiac Cine MRI Using Smooth L ₁ -Norm Approximation	BME	E-13	1570380610	Threat Modeling for Multi-UAV Adhoc Networks	WCN	F-13	1570379399	Home Access Control Through a Smart Digital Locking-Unlocking System	SMC	G-13				
1570375988	Modeling ECG Waveform Using Optimal Smoothing Bézier-Bernstein Curves	BME	E-14	1570376778	New Dimension in Cross-Polarization Reduction of a Hexagonal Microstrip Antenna Using Two Circular Substrate Integrated Cavities	ANT	F-14	1570380346	Sensor Based Human Arm Motion and Gesture Replication System Using MATLAB	SMC	G-14				
1570376091	Multimodal Interface for Temporal Pattern Based Interactive Large Volumetric Visualization	BME	E-15	1570379599	Design and Implementation of FPGA Based Reconfigurable Modulator for Satellite Applications	MIS	F-15	1570384459	Big Data Provenance and Analytics in Telecom Contact Centers	CIS	G-15				
1570371113	Noise Analysis for Interference Waveform in Swept Source Optical Coherence Tomography	BME	E-16	1570380476	A Study on the Effects of Dynamic Voltage and Frequency Scaling on an Error Detection Block for a LoRa Communications System	CS	F-16	1570380336	Sitting Posture Recognition for Computer Users Using Smartphones and a Web Camera	CIS	G-16				
1570376255	Physiological Measurements on a Gaming Virtual Reality Headset Using Photoplethysmography	BME	E-17	1570376431	An Improved ZVS-PWM Buck Converter with ZCS Auxiliary Circuit	CS	F-17	1570375892	MIMO Receiver and Decoder Using Vector Processor	CAS	G-17				
1570373298	Precision of the Detective Quantum Efficiency in Digital Mammography Detectors	BME	E-18	1570372663	Consideration on Oscillation Frequency and Amplitude Condition in a VHF Self-Excitation Gate Driver Using a Class-Φ2 Resonant Inverter	CS	F-18	1570376640	Three Operand Fused Floating Point Add- Subtract Unit Using Redundant Adder	CAS	G-18				

Interactive Session Day 3 (8th November 2017) 2.00pm to 3.30pm (Ballroom 2)

Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID	Paper ID	Title	Track	Poster ID
Session Chair: Palanisamy P				Session Chair: Yoot Khuan Lee				Session Chair: Ahmad Shukri Muhammad Noor				Session Chair: Kumaravel S			
1570380560	A Switching Vector Median Filter for Impulse Noise Removal from Color Images	SIP	A-1	1570372115	Multi-Pair Patch Mapping in Joint-Similarity Sparse Coding with Feed-Forward Soft Decision	SIP	B-1	1570376219	Tracking System for Patients with Alzheimer's Disease in a Nursing Home	BME	C-1	1570380331	A Low Cost Intelligent Smart System for Real Time Infant Monitoring and Cry Detection	RCT	D-1
1570372467	A Two-stage Method for DOA Estimation Using Spherical Arrays	SIP	A-2	1570380216	Implementation of Eye Gaze Tracking Technique on FPGA-based On-screen Keyboard System Using Verilog and Matlab	SIP	B-2	1570376207	Variance Thresholded EMD-CCA Technique for Fast Eye Blink Artifacts Removal in EEG	BME	C-2	1570371446	A Right-of-way Negotiation System Using Inter-Vehicle Communication on a Road with a Mix of Autonomous and Human-Driven Vehicles	RCT	D-2
1570380159	An Audio Secret Sharing Using XOR Operations with Scalable Shares	SIP	A-3	1570380209	NI myRIO Application for Eye Gaze Tracking on FPGA-based Onscreen Keyboard System	SIP	B-3	1570378542	Artificial Immune System Based Fault Diagnosis in Large Wireless Sensor Network Topology	WCN	C-3	1570372921	Comparison of Shepherding Control Behaviors	RCT	D-3
1570380508	CD FIR: Cumulative Distribution Function Based Image Retrieval	SIP	A-4	1570371510	Raised Cosine Adaptive Gamma Correction for Efficient Image and Video Contrast Enhancement	SIP	B-4	1570374226	Soft Fault Diagnosis in Wireless Sensor Networks Using PSO Based Classification	WCN	C-4	1570371768	Development of a Biomorphic and Hyper-Redundant Caecilian Based Robots	RCT	D-4
1570381360	Characterization of Aspiration and Unaspiration in Speech	SIP	A-5	1570371397	RNN Based Noise Annoyance Measurement for Urban Noise Evaluation	SIP	B-5	1570380259	Development of an Ultra-low Power Current Reference Circuit for Passive RFID Application in 90nm CMOS Technology	WCN	C-5	1570375071	Buffer Aware Arbiter Design to Achieve Improved QoS for NoC	CAS	D-5
1570380337	Food Classification from Images Using Convolutional Neural Networks	SIP	A-6	1570385879	Fractional Order Differentiator Based Edge Detection in Remote Sensing Images	MIS	B-6	1570348446	Effects of Rain Attenuation on 28-30GHz Bands for Beyond 4G Terrestrial Mobile Communications	WCN	C-6	1570380752	Multilayer Perceptron with Binary Weights and Activations for Intrusion Detection of Cyber-Physical Systems	CAS	D-6
1570373827	Investigation of Face Recognition Using Gabor Filter with Random Forest as Learning Framework	SIP	A-7	1570380172	A Physiological Index for Situational Interest in Classroom Settings Using EEG Preliminary Result	BME	B-7	1570380516	TMSM-based Optimal Clustering in a Gaussian Distributed Wireless Sensor Network	WCN	C-7	1570374451	Performance Comparison Review of 8-3 Compressor on FPGA	CAS	D-7
1570371988	Classification of Multi Speaker Shouted Speech and Single Speaker Normal Speech	SIP	A-8	1570379221	Accurate Region of Interest Selection for Video Based Heart Rate Monitoring for a Person Driving a Car	BME	B-8	1570377557	Traffic Load-Based Analysis of MBQA-OLSR Routing Protocol in Wireless Ad Hoc Networks	WCN	C-8	1570380201	New Cardinality Notations and Styles for Modeling NoSQL Document-store Databases	SW	D-8
1570376037	Comparison of Seven Backpropagation Algorithms for Three Phase Power Quality Assessment	SIP	A-9	1570373586	Analysis on Various Segmentation Techniques - IMT Measurement of Common Carotid Artery	BME	B-9	1570384147	Type-2 Fuzzy Ontology-Based Multi-Agents System for Wireless Sensor Network	WCN	C-9	1570380871	Local Government Unit Analytics for Program Planning & Policy-Making in Caloocan City	CIS	D-9
1570374805	Detection of Aspiration in Rabha Alveolar Fricatives Using Zero Frequency Filtering	SIP	A-10	1570375432	Automated Segmentation of Lung Field in HRCT Images Using Active Shape Model	BME	B-10	1570380135	1.8GHz Printed Bow-Tie Dipole Rectenna with Voltage Quadrupler for RF Energy Harvesting	ANT	C-10	1570376990	Artificial Neural Network Model for Solar Resource Assessment: An Application to Efficient Design of Photovoltaic System	CIS	D-10
1570374170	Detection of Gaussian Noise and Its Level Using Deep Convolutional Neural Network	SIP	A-11	1570381271	Calcification Boundary Detection in Coronary Artery Using Intravascular Ultrasound Images	BME	B-11	1570371874	A Compact Dual-band Circularly Polarized Antenna for Satellite Systems	ANT	C-11	1570376034	Insect Detection and Monitoring in Stored Grains Using MFCCs and Artificial Neural Network	CIS	D-11
1570376707	Dynamic Texture Using Deep Learning	SIP	A-12	1570384332	Comparison of Sensors Performance for the Development of Wrist Pulse Acquisition System	BME	B-12	1570371876	Metasurface-based Low Profile Broadband Circularly Polarized Antenna	ANT	C-12	1570354941	Obstacle Avoidance Algorithm for Swarm of Quadrotor Unmanned Aerial Vehicle Using Artificial Potential Fields	CIS	D-12
1570376259	Efficient FDWT/IDWT Hardware Implementation with Line-based and Dual-scan Image Memory Accesses	SIP	A-13	1570376716	Correction Factor Estimation for a Parametric Model Between Pulse Transit Time and Systolic Blood Pressure, for Non-Invasive Blood Pressure Estimation	BME	B-13	1570376755	Frequency Reconfigurable Square Slot Antenna for Wireless Applications	ANT	C-13	1570383300	The Importance of Monitoring Cloud Computing: An Intensive Review	CIS	D-13
1570375764	Elimination of Impulsive Disturbances from Archive Audio Signals Using Sparse Representation in Mixed Dictionaries	SIP	A-14	1570376712	Design of a Flexible Interactive Tool for Guided Bronchoscopy	BME	B-14	1570376834	Low RCS Using Superluminal Propagation	ANT	C-14	1570370004	A Hybrid Meta-cognitive Restricted Boltzmann Machine Classifier for Credit Scoring	SMC	D-14
1570376982	Enhancement of Noisy Speech Based on Decision-directed Wiener Approach in Perceptual Wavelet Packet Domain	SIP	A-15	1570370505	HoG Based Naive Bayes Classifier for Glaucoma Detection	BME	B-15	1570376820	Miniaturized Planar Inverted-F Antenna for Off-Body Wireless Body Area Network (WBAN) Application	ANT	C-15	1570375324	Bridging the Gap - A Workshop of Industry Practitioners and University Researchers	SMC	D-15
1570375761	Exploring Recurrent Neural Network Based Acoustic and Linguistic Modeling for Children's Speech Recognition	SIP	A-16	1570396670	Linear Discriminant Analysis for Detection of Salivary NS1 from SERS Spectra	BME	B-16					1570376915	Case Study Psychological Questionnaire Evaluated by Hidden Markov Models	SMC	D-16
1570376734	Sparse Representation Classification over Discriminatively Learned Dictionary for Language Recognition	SIP	A-17	1570376733	Seizure Activity Classification Using Parameters of Gaussian PDF in the Gamma and Theta Band DWT Coefficients of EEG Signals	BME	B-17					1570380171	Multi-objective Whale Optimization	SMC	D-17
1570379994	Medicinal Plant Leaf Information Extraction Using Deep Features	SIP	A-18	1570375408	Strain-Elasticity of Popliteal Vein in Pregnancy for Early Diagnosis of Deep Vein Thrombosis	BME	B-18								

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Session Chair: Suhaila Subahir				Session Chair: K C Sindhu Thampatty				Session Chair: Venu Gopala					
1570376749	A Cost Effective GPS Guided Autonomous Object Transporter Robot for Disaster Management and Industrial Automation	DHT	E-1	1570374201	2D Code Construction Using DW Code Families for SAC-OCDMA Systems	PHO	F-1	1570376235	A Fast Assessment Method for Voltage Stability in Multi-Bus Power System	PE	G-1	ANT	Antenna & Microwave
1570376819	Low-cost EEG Based Electric Wheelchair with Advanced Control Features	DHT	E-2	1570379911	A Model of Queuing Theory for the Performance Analysis of Nodes in WDM Networking	PHO	F-2	1570384824	Firefly Algorithm Based Multi-Objective Optimization Using OUPFC in a Power System	PE	G-2	BME	Biomedical Engineering
1570376481	Design and Development of Ground and Rainwater Purification Control System in Remote Areas	DHT	E-3	1570372149	Crosstalk Analysis in Homogeneous 12-core Multicore Fiber with Different Core Layouts for LP01 and LP02 Modes	PHO	F-3	1570379843	CFD Analysis of Tidal Turbine Blades	PE	G-3	CAS	Computer Architecture & System
1570376056	Automated Conditioning System for Mangrove Nursery	SIT	E-4	1570372055	Influence of Particle Shape on the Efficacy of Plasmonic Metal Nanoparticles to Enhance the Energy Conversion Efficiency of Thin-Film Solar Cells	PHO	F-4	1570370080	Day-Ahead Scheduling of Wind Generation and Energy Storage	PE	G-4	CIS	Computational Intelligence
1570376236	Development of an E Hard Hat for the Safety of Construction Workers	DHT	E-5	1570379672	Optical Interconnect Chip with SPR-based Photonic Crystal Waveguide Sensor	PHO	F-5	1570379821	Economic Asset Management of Microgrids	PE	G-5	CS	Circuit & System
1570375686	Discovering Topics from Qualitative Responses of a Disaster Preparedness E-Participation System	DHT	E-6	1570376665	Overmodulation Gain Dynamics in Thulium Doped Fiber Amplifiers Including Amplified Spontaneous Emission	PHO	F-6	1570371377	Experimental Design and Performance for Medium Transmission Lines Using TQ NE9080 Line Simulator	PE	G-6	DMP	Devices, Materials & Processing
1570372400	Towards the Development of Typhoon-Related Tweet Classifiers Despite the Sparseness of Strongly-Annotated Data	DHT	E-7	1570371916	Printed Silver Nanoparticles on Kapton Tape as Passive Saturable Absorber	PHO	F-7	1570374933	Feasibility Study of an Off-Grid Hybrid Renewable Energy System	PE	G-7	EEM	Engineering Education & Management
1570380194	SakunAPP: A Framework for Mobile Application Development in Disaster Awareness, Preparedness and Response	DHT	E-8	1570380094	Transmission Performance of Hybrid WDM-FSO System for Using Diversity Multiplexing in the Presence of Optical Nonlinearities and Fading	PHO	F-8	1570376608	FPGA Controlled DSTATCOM Under Distorted Grid Condition	PE	G-8	HAC	Humanitarian Activities
1570380229	InformalOnt: An Ontology to Empower the Informal Sector Workforce	SIT	E-9	1570372484	Twisted Laguerre-Gaussian Mode Division Multiplexing to Support Scalable Blockchain Technology	PHO	F-9	1570375838	Improved Dual-SOGI Control for Three-Phase Unified Power Quality Conditioner Under Distorted Grid and Load Conditions	PE	G-9	MIS	Miscellaneous
1570373057	Solar Powered Tricycle for Fish Vending Women	SIT	E-10	1570378473	A Novel Level-Shifter Integrated on the Edge Termination Region of the High Voltage Device	DMP	F-10	1570381473	Intelligent Control of Shunt Active Power Filter for Minimization of Current Harmonics	PE	G-10	PE	Power & Energy
1570381482	Bi-directional English-Hiligaynon Statistical Machine Translation	EEM	E-11	1570370981	Green Approach of Graphene Layer Produce from Waste Cooking Palm Oil at Difference Precursor Temperatures	DMP	F-11	1570376704	Multi Objective Gain Tuning Approach for Time Delayed Automatic Generation Control	PE	G-11	PHO	Photonics
1570375564	Cost-effective Digital Campus with Tablet PC, Educational Cloud Service and Open E-Learning Contents	EEM	E-12	1570380232	Molecular Dynamics Study of Uniaxial Tensile Properties of Hexagonal Boron Nitride Nanoribbons	DMP	F-12	1570380058	Networked DC Nano-grid Based on Multi-port Power Converters	PE	G-12	RCT	Robotics, Control & Theory
1570379886	Implementation of Industrial Training Course: Enhancement of Processes and Procedures	EEM	E-13	1570371303	Numerical Analysis of MoTe2 Thin Film Solar Cell with Cu2Te BSF Layer	DMP	F-13	1570374916	Odeivity Virtual Space Vector Modulation Method of Removing the Low Frequency Oscillations for Three-Level Neutral Point Clamped Inverter	PE	G-13	SIP	Signal & Image Processing
1570373777	OPAESFH: Ontology-based Personalized Adaptive E-learning System Using FPN and HMM	EEM	E-14	1570381860	Performance of Radio Frequency Signal Strength on Fiber Reinforced Plastic Material	DMP	F-14	1570376537	Partial Discharge Characteristics of Spherical Metal Particle in Mineral Oil and PFAE Under AC Voltage	PE	G-14	SIT	Social Implications of Technology
1570375264	Optimization of Sukhoi Su-30MKM Maintenance Planning for Maximum Operational Readiness	EEM	E-15	1570376661	Thermal Transport in Defected Armchair Graphene Nanoribbon: A Molecular Dynamics Study	DMP	F-15	1570370385	Sustainable Load Scheduling Algorithm for Stand-Alone PV-Battery System	PE	G-15	SMC	Systems Man & Cybernetics
								1570374489	SWT Based Bearing Fault Detection Using Frequency Spectral Subtraction of Stator Current with and Without an Adaptive Filter	PE	G-16	SW	Software & Database
								1570380257	Calculation of Nodal Price Based on Modified DC-OPF and Its Application in Loss Allocation	PE	G-17	WCN	Wireless Communication & Network