DAY 1 6th November

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PE01 (Ballroom 2) - Session Chair: Changgang Li 11:30 1570374042 Maximization of Wind Energy Utilization Through A Multi-		CS01 (Wembley 6) - Session Chair: Preetisudha Meher 52 Peak-Triggered Sampling Circuitry for a Fine-Structure-Aware		ME01 (Wembley 7) - Session Chair: Nasreen Badruddin An Automatic Scheme for Brain Tumor Region Detection from		CN01 (Wembley 8) - Session Chair: Norihiko Shinomiya Plummeting Flood Based Distributed-DoS Attack to Upsurge	SIP01 (Wembley 9) - Session Chair: Isao Nakanishi 1570376720 An Accelerometer Based Handwriting Recognition of English		PEO2 (Wembley 10) - Session Chair: Apurba Layek Applications of COMSOL Multiphysics in Finding Temperature
Objective Optimization Framework 11:45 1570376855 Selective Frequency Synchronization Technique for a Fast	disorders among children INVITED TALK Assistive neuroprosthesis for gait rehabilitation among children 1570372	Cochlear Implant 28 Implementation of a Real-Time Rayleigh, Rician and AWGN	1570379946	3D MRI Data Based on Enhanced Intensity Variation 5 Tensor Gradient Based Discriminative Region Analysis for	1570374164	Networks Performance in Ad-Hoc Networks Using Neighborhood Table Technique An Investigation of an S-box Mechanism in Modern Block	Alphabets Using Basic Strokes 1570380038 Real-Time Monocular Human Height Estimation Using Bimodal	1570375901	Distribution Pattern in EPR Cable with Presence of Void Inductive Coupling Method for On-line Frequency Response
Seamless Mode Transition in Droop Control 12:00 1570367878 Transient Stability Evaluation by the Time Domain Equal-area	INVITED TALK Design considerations for rehabilitation robot 1570371	Multipath Channel Emulator 55 A Design Method of nMOS Dynamic Shift Registers for Small	1570380407	Cognitive State Classification 7 An Improved Extreme Learning Machine for Pathological Brain	1570374912	Cipher Design Cyclic Shift Resolution Effects on OFDM System Employing	Background Subtraction 1570376031 Examination of Sub-stroke and Face Authentication for e-Testing	1570379762	Analysis (FRA) for Transformer Winding Diagnostic 4-E Analysis of a Kalina Cycle System 11 Integrated 500MWe
Criterion Using the Taylor Series Expansion 12:15 1570368133 Economic-Emission Dispatch of a Droop-Controlled DC Microg		Liquid Crystal Displays 19 A Proposed Reliable and Power Efficient 14T Full Adder Circuit		Detection 3 A Unified Approach for Detection of Diagnostically Significant		Cýclic-SLM with Delayed Correlation and Matched Filter Approximate Analysis of ACRDA MAC Protocol with Decollision	1570379487 Detecting Orientation of In-Plain Rotated Face Images Based on		Combined Thermal Power Plant Study on Upgrade and Renewal of Transformers Using Safety-
12:30 1570371054 Ferroresonance Characteristics in Unsymmetrical Flux	community	Design 81 Performance Study of Multi-bit Vote Count with Weak Range		Regions-of-Interest in Retinal Fundus Images 4 Automatic Optic Cup Segmentation Using Kasa's Circle Fitting		Algorithm for Satellite Uplink Access Performance Analysis of Multi-Channel Pure Collective Aloha	Category Classification by Deep Learning 1570371917 2D and 3D Face Recognition Using Convolutional Neural		First Model of the Optimal Portfolio Selection Electric Field Analysis Along Pin-plane Electrodes near the
Distribution of 150 kV Three Phase Transformer	challenged people		13/03/0/24	Technique	137037340	MAC Protocol for Satellite Uplink Access	Network	1370370034	Contaminated Dielectric Surface Using FEM
PE03 (Ballroom 2) - Session Chair: Nor Asiah Muhamad 15:45 1570372822 Dynamic Coupling Based Amplitude Death Solution for	RCT01 (Wembley 5) - Session Chair: Vinod Kapse 1570365551 On Creating Low Dimensional 3D Feature Descriptors with PCA 1570376			BME02 (Wembley 7) - Session Chair: Mitsuhiro Ogawa Estimation of Noise Power Spectrum of Low Frequency	1570364774	WCN02 (Wembley 8) - Session Chair: Filbert Juwono An Energy Efficient Routing Using Multi-hop Intra Clustering	SIPOZ (Wembley 9) - Session Chair: Worapan Kusakunniran INVITED TALK Deep Learning in Signal and Image Data Analytics		EO4 (Wembley 10) - Session Chair: Chandra Sekhar Control of Photovoltaic Power System
Stabilizing DC Microgrids 16:00 1570384392 Optimization of Market Clearing Price Using Firefly and PSO		and an LDO Regulator for Interface Circuits of Solar Energy Harvesters for Wireless Sensor Nodes 53 Efficient Implementation of Adder Circuits in Memristive	1570380254	Components in Radiography Imaging Errors in Remote Healthcare System: Where, How and by	1570372679	Technique in WSNs SDN-enabled Loss Mitigation of Wireless Sensor Network Data	1570375709 A Distinctive Similarity Rendering Approach to Reconstitute	1570374919	A Reflex-Charging Based Bidirectional DC Charger for Light
Algorithm in Bilateral Electricity Market 16:15 1570384487 An Artificial Neural Network Based Controller for MLC-UPQC	Object Detection	Crossbar Array 49 Switched-Capacitor Regulator with Digital Feedback	1570383007	Whom? 7 Denoising of Medical Ultrasound Images Based on Non-local		Traffic Localization in Wireless Sensor Network Using LLE-ISOMAP	Hyperbola Apices in GPR Images 1570371661 A Low-rank Enhancement Reconstruction Algorithm for	1570376342	Electric Vehicle and DC-Microgrid MW-Scale MediumVoltage Cascaded H-bridge Battery Storage
with Power Angle Adjustment 16:30 1570370635 Modeling and Analysis of the Novel Memristor-based	Avoiding Virtual Stakes	70 Analyzation of Antenna Measurement Method for Wireless	1570381645	Similarity: A Low-Rank Approach Lung Disease Classification Using Reticular Pattern Scoring and		Algorithm A Contention Based Routing Enhanced MAC Protocol for	Compressed Image Sensing 1570376831 Interpolation Based on Similarity in Subband Generation for		System Based on Virtual Synchronous Generators Boost Converter Based on Coupled Inductor and Voltage Lift Cell
Photovoltaic Cell 16:45 1570369980 A Novel Variable Width PWM Switching Based Buck Converted		Power Transmission 24 A New Supervised Learning Approach for Visual Pattern	1570384400	Five Class Features with Greedy Stepwise Based on GLCM Preliminary 3D Performance Evaluation on Automatic Lung		Transmission Delay Reduction in a Multi-Hop WSN PreCoRe: Predictive Connectivity Re-establishment in Wireless	Image Super Resolution 1570376943 A Detection and Tracking Method Based on Monopulse Radar in		Model Predictive Control for Circulating Current Suppression in
to Control Power Factor Correction Phenomenon for an 17:00 1570368139 Superconducting Magnetic Energy Storage System with an		Recognition Using Discrete Circuit Elements and Memristor Array 68 Design of High Frequency D Flip Flop Circuit for Phase Detector	1570384390	Segmentation for Interstitial Lung Disease Using High Resolution Computed Tomography D Lung Disease Severity Classification Using Reticular Pattern and		Sensor Network in the Presence of Dumb Nodes L Energy Efficient Geographic Clustered Multi-hop Routing for	FSK Mode Applied in Smart Transportation Systems 1570379072 Robust Distributed Active Noise Control in Presence of		Parallel-Connected PMSM Drive An Inductor-less Bidirectional DC-DC Converter Topology for
Adaptive Control Algorithm for Reducing the Impact of Smart	Domestic Service Robots	Application		Five Class Features Based on GLCM		Underwater Sensor Networks	Secondary Path and Error Sensor Disturbances		High Voltage Gain Applications
17:15 1570374877 A Comparative Analysis of Weighted and Unweighted Power Grid Networks	1570376606 Three-Axis Digital Accelerometer Based Wireless Gait Analysis with Wearable System-On-Chip Designs	05 Minimal Test Set Generation for Input Stuck-at and Bridging Faults in Reversible Circuits	15/0353252	2 Gas Turbine Health Prognostics Using Artificial Neural Network	15/038140.	I Simulation Analysis of Multi-Dimensional WSNs Using NS-3	1570375766 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 2 7th November									
PE05 (Ballroom 2) - Session Chair: Venkata Reddy Kota 09:45 INVITED TALK Space Solar Power System ~ Beneficial Power Source to	1570370780 PWSF: Planar-West-South-First Routing Algorithm for 3D INVITED T	CISO1 (Wembley 6) - Session Chair: Pradyut Kumar Biswal LK Emerging Trends and Research Directions in Internet of Things	1570376888	RCT02 (Wembley 7) - Session Chair: Argel Bandala Fruit Conveyor Prototype Based on Ball and Beam System	INVITED TALI	CS03 (Wembley 8) - Session Chair: Rajib Kar Testing of Micro Electrode Dot Array-based Microfluidic	WCN03 (Wembley 9) - Session Chair: Muneendra Ojha INVITED TALK Telecoms in Malaysia: Past, Present and Future	PE0 1570375525	6 (Wembley 10) - Session Chair: Rajasekar Natarajan Wavelet-Based Open Switch Fault Diagnosis in Cascaded H-
Equatorial Countries 10:00 1570372870 Performance Comparison of Hybrid ANN Based Control of DFI	Network-on-Chip G 1570371471 A Fast Online Task Placement Algorithm on 3D Partially 1570370	72 Learning to Predict the Adequacy of Answers in Chat-Oriented	1570376568	MRAC with Variable Adaptation Gain for First Order Systems		Biochips: Progress and Challenges Highly Consistent Bulk Driven Quasi Floating Gate (BDQFG)	1570370766 Distributed Device Discovery in ProSe Environments	1570374046	Bridge Multilevel Inverter-fed Induction Motor Drive Analysis of Power Losses for a Nine-Switch Inverter in Common-
for Various Faulty Conditions 10:15 1570372922 Myths and Facts of Dual-Frequency Operation of LED Lamps	Reconfigurable Devices	Human-Agent Dialogs 37 Mining the past to Determine the Future Market: Sales	1570375818	3 Analytical Structure of a General Takagi-Sugeno Fuzzy PID		PMOS Pseudo-resistor Design and Implementation in 0.18 Micron Meter Technology I A Low Cost Robust Radiation Hardened Flip-Flop Circuit	. 1570371117 Signal Analysis for Touch Application Using Intra-Body		Frequency Mode Application A Reliable Multilevel Inverter with Fault Tolerance
10:30 1570373093 Comprehensive Modeling and Joint Optimization of Ice Therm	Distributed Arithmetic	Forecasting Using TSDM Framework 61 Web Authoriser Tool to Build Assessments Using Wikipedia		Controller Optimal Detuning Parameter Design for Decentralized Control		Design of Sigma-Delta Analog-to-Digital Converters	Communication 1570372438 Influence of Non-Uniform User Distribution on Throughput	1570371403	Improvement of Power Regeneration Efficiency in the Electronic
and Battery Energy Storage with Provision of Grid Services 10:45 1570373324 An Exhaustive Search Based Topology Error Detection Method	Hardware-Software Partitioning Design: A Factorial Design	Articles 25 Gramatika: A Grammar Checker for the Low-Resourced Filipino		of MIMO Processes 7 Artificial Bee Colony Based Design of the Interval Type-2 Fuzzy		Implemented in 65nm Digital CMOS Process for LoRa 7 0.5 V Output Digital Low Dropout (DLDO) Voltage Regulator	Performance in Outdoor Macro-Cellular Environment 1570372439 Peak-to-Average Power Ratio and Power Amplifier Back-off		Vehicle Using Charge Switching by the Current Value Review and Simulation of Flyback Topology for Module Level
and Its Validation in Real Time Digital Simulator	Modularizing Secondary Processes of a General Purpose Processor	Language		PID Controller for Robot Manipulator		with VCO-based Digital Feedback Loop	Requirements in Wireless Transmissions		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	20 Augmenting MulVAL with Automated Extraction of Vulnerabilities Descriptions	13/03/5936	An Optimally Tuned Modified Active Disturbance Rejection Controller for Power System Load Frequency Control	13/03/6866	Subthreshold CMOS Low-Transconductance OTA for Powerline Interference Elimination Notch	1570373778 UWB Positioning Accuracy and Enhancements	13/03/0803	Loss Reduction and Field Testing for Switched Capacitor-Based Cell-Level Power Balancing Utilizing Diffusion Capacitance of Photovoltaic Cells
PE07 (Ballroom 2) - Session Chair: Sujit Karmakar 11:15 1570373585 Neutral to Earth Voltage (NTEV) on the Commercial Building		HACO2 (Wembley 6) - Session Chair: Melannie Mendoza 63 Characteristic Functions of Wireless Sensing Node Network for	1570372449	CISO2 (Wembley 7) - Session Chair: Pramod Singh A*DAX-DAT: A Toolkit Framework for Big Data Analytics		S04 (Wembley 8) - Session Chair: Mohd. Samar Ansari Design, Modeling and Analysis of A New Dual Input-Output	WCN04 (Wembley 9) - Session Chair: Savitha Ramasamy 1570375600 Baseband Receiver Design for IEEE 802.11ah		SIPO3 (Wembley 10) - Session Chair: Pankaj Singh Vector Ordering Based Multimodal Video Skimming for User
with Considering the Low and High Frequencies Mode of the Grounding System 11:30 1570373603 Consensus-based Voltage and Frequency Restoration Scheme	Researchers from Publications 1570381316 PhilLoveHistory: Enhancing Knowledge in Phillippine History 1570376	Landslide Disaster 11 Smart Emergency Response System		BIND: An Indexing Strategy for Big Data Processing		Switched Capacitor Converter Development of a Smart Railway System for Bangladesh	1570376370 A Dynamic Approach for Channel Time Allocation in IEEE		Videos Content Based Video Retrieval via Object Based Approach
for Inertia-less Islanded Microgrid with Communication Laten 11:45 1570373637 A New Low-Frequency Oscillatory Modes Estimation Using TL	cy Using Mobile Game Application	30 Performance of CMIP5 Global Climate Models for Climate		Big Data Provenance Research Directions		7 An Efficient Spectrum Sensing Technique for Burst Signals	802.15.3 Based Parent-Child Piconet Model 1570379538 Negative Impact of CSMA/CD on WLAN IEEE 802.11		Advanced One-bit Transform Algorithm with Edge
ESPRIT and Least Mean Squares Sign-Data (LMSSD) Adaptive Elitering 12:00 1570375092 Enhanced Firefly Algorithm for PQ Improvement of Wind		Simulation in Southeast Asia 36 Computer-assisted Thematic Analysis of Typhoon Fung-Wong		4 A Cloud-to-Cloud Parallel Data Transfer via Spawning		Detection Based on Correlation and FFT 2 A Low Power Architecture of Real Time Stereo Vision Algorithm	1570372751 A Testbed Implementation of Secure and Lightweight Privacy		Enhancement and Representative Feature Extraction for Low- Complexity and Accurate Motion Estimation Heterogeneous Stereo: A Human Vision Inspired Method for
Energy Conversion System with UPQC	Houses in University Belt	Tweets		Intermediate Nodes		Using Discrete Cosine Transform	Preservation Mechanism Using Scrambled Fibonacci and XOR for Zighee		Robotics Sensing
12:15 1570375310 A Comprehensive Review on PV Configurations to Maximize Power Under Partial Shading	Estimation - A Tertiary Study	04 Rain Water Level Information with Flood Warning System Using Flat Clustering Predictive Technique		Analyzing the QoS Criteria from End User's Perspective in Computational Grid Environment		A Linear Electronically Tunable Quadrature Oscillator	1570376217 Two Way Secure Communication with Two Half-Duplex DF Relay		Road Lane Reconstruction Using Vision-Based Macro Block Spatial Predictions
12:30 1570375562 A Methodology to Develop Energy Adaptive Software Using Model-Driven Development	1570379604 Anomaly Based Intrusion Detection Using Filter Based Feature Selection on KDD-CUP 99	13 A Theoretical Framework in Mapping the Philippine Creativity Landscape with ICT	15/03/5898	Resource Usage Aware Scheduling in OpenStack	15/03/9590	Probe Location Checker for IC Physical Verification	1570380348 Performance Analysis of Physical Layer Security over Different T- error Correcting Codes	15/03465/9	An Efficient VLSI Design of CAVLC Encoder
PE08 (Ballroom 2) - Session Chair: M Venu Gopala Rao 15:45 1570375571 A Fast MPPT Technique Based on I-V Curve Characteristics	DMP01 (Wembley 5) - Session Chair: Saikat Chakrabarti 1570376878 Au-decorated Graphene-Carbon Nanotube Hybrid Thin Film for INVITED T.	ANTO1 (Wembley 6) - Session Chair: Jayanta Ghosh LK The Importance of Antenna and Microwave Propagation	1570371598	BME03 (Wembley 7) - Session Chair: Humaira Nisar 3 Classification of Forearm Movements from sEMG Time Domain		VCN05 (Wembley 8) - Session Chair: Ernest Kurniawan Reliable Multicast Disruption Tolerant Networking: Conceptual	SIP04 (Wembley 9) - Session Chair: Amitava Nag 1570376347 Animated Texts Application in Visualizing Speech Features for	1570376536	EO9 (Wembley 10) - Session Chair: Srinivas Karanki DTC of Induction Motor with Advanced SVM Strategies
Under Partial Shading 16:00 1570375654 RTRL Based Adaptive Neuro-Controller for Damping SSR	Sub-100 Ohm/sq Transparent Conductive Electrodes	Knowledge in Radar System 52 Compact Low Loss Millimeter Wave 8-way Radial Waveguide	1570383019	Features Using Machine Learning Algorithms 9 S1 and S2 Heart Sound Segmentation Using Variational Mode		Implementation Using Message Ferry An Index Coded Approach for Reducing Number of Broadcasts	Foreign Language Learning 1570376706 Electromagnetic Articulograph Sensor-To-Sound Unit Mapping-	1570385867	A Novel Torque Ripple Minimization Scheme for Solar Powered
Oscillations in SCIG Based Windfarms 16:15 1570375664 Optimal Load Curtailment for DG Integrated Islanded Power	Transistors with Strain and Scattering	Power Combiner 94 Evolutionary Technique Based CAD Model for Microstrip		Decomposition 7 A Highly Integrated Embedded System for Bio-Signal Computing		in Vehicular Networks	Based Intelligibility Assessment of Dysarthric Speech 1570375951 Automatic Pause Marking for Speech Synthesis	1570380410	BLDC Motor A Reduced Order Smoothing Filter for Speed Estimation of
System Utilizing Backtracking Search Algorithm 16:30 1570375705 One Rank Cuckoo Search Algorithm for Optimal Placement of		Antenna Synthesis Non-Bianisotropic Split Ring Resonator Based CPW-Fed Dual		Analysis of Myocardial Infarction Using Wavelet Transform and		Counts in HetNets S Spectrum Handoff Performance in Opportunistic and	1570376270 Tonal Feature Based Dialect Discrimination in Two Dialects in Ao		Three Phase Induction Motor Universal Bus Front End PFC Fourth-Order Buck Converter as
Multiple Distributed Generators in Distribution Networks	by Gate Pulse Voltage in AlGaN/GaN High Electron Mobility Transistors	Band Antenna		Multiscale Energy Analysis		Negotiated Situations for Cognitive Radio Networks			LED Drivers
16:45 1570375738 Adaptable Load Scheduling for Smart Grids	Channel Tunnel-FETs of Different Structures	A Novel GHz Bandwidth RF Predistortion Linearizer for Ka Band Power Amplifier		5 A Takagi-Sugeno Fuzzy Neural Network-based Predictive Coding Scheme for Lossless Compression of ECG Signals			1570379952 Non-Linear Filtering for Feature Enhancement of Reverberant Speech		Bridgeless AC-DC Buck-Boost Converter with Switched Capacitor for Low Power Applications
17:00 1570375741 Distributed Discrete Level Energy Scheduling for Residential Load Control in Smart Grids	Mobility Transistors at Cryogenic Temperature	69 A Capsule-Like Flexible Multiband Antenna for WBAN Applications		B EEG BSI-HHT in Ischaemic Stroke with Multifocal Infarction	15/03/610	3 Cycle-Based Traffic Load Balancing Method for Clustered Network with Multiple SDN Controllers	1570371008 Punctuation Prediction Using a Bidirectional Recurrent Neural Network with Part-of-Speech Tagging	15/03/6/92	A CB-SVPWM Control Strategy for Neutral-Point Voltage Balancing in Three-Level NPC Inverters
17:15 1570375793 Development of Wind Turbine Controller for Low Wind Speeds	l High Voltage Insulating Material Life Under Partial Discharge Degradation 1570376	96 Modified Y-Shape Patch Ultra-Wide Band Monopole Antenna	15/0368381	Time-Frequency Analysis of Executed and Imagined Motor Movement EEG Signals for Neuro-based Home Appliance System	15/03/6528	8 Performance Analysis of Different Network Topologies for Driver Safety Monitoring Application in WESN	Acoustic Event Classification Using Graph Signals	15/03/656/	Design and Comparison Analysis of Speed Controllers for PMSM
DAY 3 8th November									
PE10 (Ballroom 2) - Session Chair: Toshihisa Funabashi 09:45 1570375994 Security Constrained Dynamic Optimal Power Flow with		PH001 (Wembley 6) - Session Chair: Mustafa Chowdhury 91 Color-Shift-Keying Performance Under Cross Talk		SO3 (Wembley 7) - Session Chair: Luis Fernando D'Haro A Spell Checker for a Low-resourced and Morphologically Rich		CT03 (Wembley 8) - Session Chair: Shaik Rafi Ahamed	WCN06 (Wembley 9) - Session Chair: Shashidhar Koolagudi 1570370434 Connectivity at Wireless Network Borders Under Superimposed		1 (Wembley 10) - Session Chair: Mohamed Shaaban Islanding Detection of Distributed Generation in Presence of
Multiple Energy Storage 10:00 1570376042 Harmonics Elimination Based on Curve Fitting Method for	Analysis of N-Gram Terms	78 New Technology to Expose Core from Fiber for Optical Sensing		Language 7 Prediction of Star Ratings from Online Reviews		A New Backstepping Control Design Method for Autonomous	Fading-Shadowing Effects 1570371981 Impact of Severe Fading Conditions on the AF Cooperative		Fault Events Suitability Study on Using Rowen's Model for Dry-Low Emission
Modular Multilevel Converters 10:15 1570376120 Optimized Load Sharing of LED Drivers in DC Homes Using	Pressure and 6-axis Acceleration Sensor Data 1570376044 Real-Time Three-Dimensional Smooth Path Planning for 1570373	Application 45 Optimal Shape of Spot Size Converter by Mask- Transfer		CMDR: Classifying Nodes for Mining Data Records with Differen		Underwater Vehicle in Diving and Steering Plane Development and Implementation of Swarm Sweep Cleaning	System's Outage Probability 1570374222 Performance Evaluation of NP and ML Based Spectrum Sensing	1570380035	Gas Turbine Operational Performance
Game Theoretic Approach	Unmanned Aerial Vehicles in Completely Unknown Cluttered Environments	Method for Silicon Photonics Numerical Modeling of Surface Acoustic Wave for Silica Tapered		HTML Structures		Protocol for Quadrotor Unmanned Aerial Vehicle (QUAV) Swarm L Position Estimation System with UWB, IMU and a Distance	in FDCRNS Under Small Scale Fading Scenario 1570381352 Energy Efficient Hard Decision Fusion Rules for Fading and Non-	1570380033	Reactive Power Optimization and Voltage Control for Half- Wavelength Power Transmission System Grid Code for PV Integration in Distribution Circuits Considering
10:30 1570376176 Modelling of Dry Low Emission Gas Turbine Using Black-Box Approach 10:45 1570376180 A Study on Consumer Switching Behavior with a Matching	Feedback Mechanism	Fiber Noise Reduction Method for Electro-Optic Measurement		Classification Similarity Based Regularization for Online Matrix-Factorization		Sensor for Quad-rotors Modeling and Control of Torque and Impact Rate During	Fading Environment		Overvoltage and Voltage Variation Power System Dynamics Equivalent Model Based on
10:45 15/03/6180 A Study on Consumer Switching Benavior with a Matching Problem in Electricity Markets 11:00 1570376197 A Robust Resonance Damping of LCL-filter Based Grid-	Approaches	System Using Variable Gain Amplifier 80 Urea Biosensor Utilizing Graphene-MoS2 and Kretschmann-		Problem: An Application to Course Recommender Systems		Screwing Process	1570373962 Applying NFV/SDN in Mitigating DDoS Attacks	1370380347	AutoRegressive Model with eXogenous Inputs
11:00 15/03/619/ A Robust Resonance Damping of LCL-filter Based Grid- Connected Converter with Linear Active Disturbance Rejection		BIO Urea Biosensor Utilizing Graphene-MoS2 and Kretschmann- based SPR	13/03/9810	Credit Card Fraud Detection Based on Transaction Behavior	13/038048	Power Efficient Permanent Magnet DC Motor Drive with Regenerative Braking	1570375656 Sensing Criteria of TV White Space Devices		
PE12 (Ballroom 2) - Session Chair: Kunna Wu 11:15 1570376251 A Fuzzy Based Adaptive Controller for Grid Connected DFIG	MISO1 (Wembley 5) - Session Chair: Yatindra Nath Singh 1570375695 Hierarchical Random Exploring with Multiple Linking Modes 1570380	EEM01 (Wembley 6) - Session Chair: Manish Bajpai 55 Evaluation on e-Learning Readiness of Yangon and Mandalay		SIT01 (Wembley 7) - Session Chair: Krishna Singh Drawing Guessing Game for the Elderly		WCN07 (Wembley 8) - Session Chair: Suhaidi Hassan Automatic Gain Control Scheme for Bursty Point-to-Multipoint	SIP05 (Wembley 9) - Session Chair: Ferdous Barbhuiya 1570379639 Vision-Based 1D Barcode Localization Method for Scale and		(Wembley 10) - Session Chair: Prabhakar Karthikeyan Evaluation of Combustion Performance of Petroleum Coke/Rice
Based Windfarm for Damping SSR Oscillations 11:30 1570376385 Voltage Stability Improvement by Demand Response	1570376577 Design of an 8-Bit Five Stage Pipelined RISC Microprocessor for 1570376	Technological Universities, Myanmar 13 Development of Bilateral Science Education Program by		Milktrack: Design and Development of Mobile Application and		Wireless Communication System REFLO: Reactive Firewall System with OpenFlow and Flow	Rotation Invariant 1570376489 An Effective Method to Tackle Illumination Problem in		Straw Blends for Cofiring in a FBC Boiler Analysis on Load-Factor Dependence of Triple Active Bridge
11:45 1570376420 Impacts of Residential Solar Photovoltaic Systems on Voltage	Sensor Platform Application	Engineering Students 61 Assisting Student's Health Consciousness by the Use of		Logistics System in Empowering Breastfeeding Practice in the Philippines KeptAom: Savings Management System to Increase Long Term		Monitoring System 3 PENTOS: Penetration Testing Tool for Internet of Thing Devices	Collaborative Representation 1570374525 Image Authentication Under Geometric Attacks via Concentric		Converter's Transmission Efficiency for Autonomous Power Networks Classification of Single and Multiple PQ Disturbances Based on
Unbalance and Network Losses 12:00 1570376446 Research on Area Comprehensive Utilization Rate Based on		Wearable Device 44 MCU-Based: Energy Consumption Management System for		Savings Behavior of Children 3 Measurement of Illness and Wellness Score of Non-		Enhancing CII Firewall Performance Through Hash Based Rule	Square Partition Based Image Hashing 1570367119 Curvelet Thresholding with Multiscale NLM Filtering for Color		DWT and RF Classifiers Reconfiguration of Balanced and Unbalanced Distribution
12:00 13/03/0440 Entropy Weight and Gray Comprehensive Belation Ante Based on Entropy Weight and Gray Comprehensive Relational Analysis Method. 12:15 1570376713 Three-Phase Transient Analysis Based on the Soace Vector		Dormitories 85 Preliminary Investigation of Augmented Intelligence for Remote		Communicable Disease Patients 2 Efficient, Real-time Tracking of Public Transport, Using		Lookup Higher Order Eigenvalue-Moment-Ratio Based Blind Spectrum	Inage Denoising 1570376395 Viable Vestige Segregation by Support Vectors		Systems for Cost Minimization Genetic Algorithm Based Pl Tuning of VSC-HVDC System and
Approach	Module for Autonomous Path Navigation	Assistance Using a Wearable Display		LoRaWAN and RF Transceivers		Sensing: Application to Cognitive Radio			Implementation Using OPAL-RT
12:30 1570376721 Quadratic Regulator Based Optimal State Feedback Controller for Stability Improvement of Inverter Based Microgrids	1570370798 A Study of Ferromagnetic Object Detection in Ocean Environment Using Empirical Mode Decomposition	A Preliminary Study on the Hand Grip and Pinch Strength Among Adults in an Indigenous People Community in Royal Relum Forest Malaysia	15/0380274	Mobile Game for the Elderly: Bundled Bingo Game	15/0381619	Performance of Simple Turbo Process with Non-Standard Mapping	1570364281 Removal of Fixed Valued Impulse Noise Using Global Noise Statistics Based Adaptive Histogram Fuzzy Filter	15/03/6327	A Multi-Objective Optimal Sizing and Operation for Off-Grid Smart House
PE14 (Ballroom 2) - Session Chair: Rony Wibowo 15:45 1570378553 Day-Ahead Forecasting of Wholesale Electricity Pricing Using	ANT02 (Wembley 5) - Session Chair: N Nasimuddin 1570376179 Microstrip Octagonal Patch Wideband Antenna for Mobile 1570376	RCT04 (Wembley 6) - Session Chair: Bidyadhar Subudhi 81 Dynamic Scheduling for Heterogeneous Resources with Time Windows and Precedence Relation		CS05 (Wembley 7) - Session Chair: Parthiban Perumal Design of a 520 uW -141 dBc/Hz and 450 MHz Frequency	157037672	WCN08 (Wembley 8) - Session Chair: Huaqun Guo On the Placement of Controllers for Designing a Wide Area Software Defined Networks	SIP06 (Wembley 9) - Session Chair: Shitala Prasad 1570380306 Modeling Head-Related Impulse Response Based on Adaptive		E15 (Wembley 10) - Session Chair: Jawad Ali Shah A Study on Vibration Energy Harvesting in Electric Generators
Extreme Learning Machine 16:00 1570379141 Power Quality Event Identification Using Wavelet Packet		Windows and Precedence Relation 1 Identification of Friendly and Deictic Gestures in a Sequence		Synthesizer Using Low Power and Low Phase Noise Current Reuse VCO A Nearest Neighbor Quantum Cost Metric for the Reversible		Software Defined Networks 1 Pv6 Routing Protocol for Low-power and Lossy Networks	Fourier Decomposition 1570372053 Using Deep Convolutional Neural Network to Classify Urban		Application of Thermoelectric Generation System Under Low
Transform: A Comprehensive Investigation 16:15 1570379563 Feature Selection for Power Quality Event Identification	Applications 1570376599 2.4 GHz Pattern Reconfigurable Corner Reflector Antennas 1570376	Using Upper Body Skeletal Information 87 Modeling and Simulation of an Attitude Control System Using	1570376623	Circuit Level 7 Memristor-based High Performance Third Order Quadrature		Implementation in Network Simulator - 3 Achievable Rate and Power Efficiency of Massive MIMO in	Sounds		Temperature in Case of Temperature Ununiformity A Simplified OPF Framework for an Integrated AC and Multi-
16:30 1570379503 Peature Selection for Power Quanty Event Identification 16:30 1570379609 Design of PV-DC Mini Grid Using PI-based Fuzzy MPPT Control	Using Frequency Selective Conductor Loops and Strips	Leg Motion of a Legged Air Vehicle 00 Efficient Counting and Localizing Objects of Interest for	1570276500	Oscillator		Cooperative Network with ZF Receivers Deterministic Batch Scheduling Algorithm for Optimal Channel	1570376673 Reducing the Effect of Covariate Factors in Gait Recognition Using Robust Estimator 1570372542 Application of Active Control Technique on a Bone Conduction		Terminal HVDC System Network Reconfiguration for Unbalanced Distribution Systems
Considering Load Demand	WiFi and WiMAX Applications	Agricultural Automation		Implementation of Dynamic Voltage Frequency Scaling on A Processor for Wireless Sensing Applications NUSL Architecture of Integer DCT Based Watermarking with		Utilization in Optical Burst Switching Networks HF-AQM: An Efficient Active Queue Management Scheme for	Headphone for Estimating a Cross-talk Compensation Filter		
16:45 1570379652 Adaptive Load Shedding Method Based on Power Imbalance Estimated by ANN	Communication	61 Human Tracking and Following in Dynamic Environment for Service Robots		3 VLSI Architecture of Integer DCT Based Watermarking with Error Correction Capability		Wireless Local Area Network Environment	1570381499 Infant Cry Analysis of Cry Signal Segments Towards Identifying the Cry-Cause Factors		A MEAN Stack Based Remote Monitoring System for Electrical Distribution Feeders in Sri Lanka
17:00 1570376192 An SO-SOGI Based Control for a Three-Phase DVR Under Distorted Grid Conditions Including DC Offset	Application	Three Fingers Precision Grasping Operation of 3D Printed Multi fingered Hand	1570376402	2 Efficacy of Order Reduction Techniques in the Analysis of Fractional Order Systems	157038011	7 Dynamic Controller Placement in Edge-Core Software Defined Networks	1570376066 Jazz Music Sub-Genre Classification Using Deep Learning	15/0372540	Design of a Small Scale Wind Energy Harvester Using Piezo- electric Cantilever Generator for Wireless Flame Sensor
17:15 1570376216 Impact of Fault Resistance on Impedance Relay: Adaptive Mhi Directional Type Scheme Development Using LabVIEW	o 1570376908 UWB Transparent Printed Antenna for Medical Applications 1570379	63 A Robot Controlled 3D Mapping and Communication System Using Ultrasonic Sensor			157037233	A Color Space Exploration in Optical Spatial Modulation	1570369167 A Metaheuristic Approach to Design Digital Fractional Order Differentiator/Integrator Without Employing Any Discretization Operator		

aper ID Title			Interactive Session Day			er 2017) 2.00pm to 3.30pm (Ballroom 2)					
	Track	Poster ID	·	Track	Poster ID		Track	Poster ID	Paper ID Title	Track	. Po
Session Chair: Rakesh Ranjan O355765 A Complete Logic Based Backup Protection Scheme for Three	PE	A-1	Session Chair: Feroz Ahmed 1570372635 Non-Isolated Multi-Port Converter Integrating PWM and	PE	B-1	Session Chair: Dipti Patra 1570373720 A Study on Pre-Processing Methods for Copy-Move Forgery	SIP	C-1	Session Chair: Ryan Richard Guadana 1570375732 Local Auxiliary-Color Maximum Vector Pattern: A New Feature	SIP	
and Six Phase Transmission System by Using Negative Sequence Currents			Phase-Shift Converters			Detection Based on SIFT			Descriptor for Image Indexing and Retrieval		
0379576 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	
D381054 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	
0367871 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 Sα Operator Without Using a Generating Function	SIP	
0375907 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	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	SIP	
0371846 Design and Analysis of a Hybrid Energy Harvester for Self- powered Sensor	PE	A-6	Approaches 1570371478 Proportional Generation and Proportional Load Based Transmission Loss Allocation Considering Reactive Power	PE	B-6	1570376798 Automatic Bengali Number Plate Reader	SIP	C-6	Gravitational Search Algorithm 1570376357 Orthogonal Least Squares Algorithm for the Multiple- Measurement Vectors Problem	SIP	
0375655 Design Methodology and Sensorless Control of Electric	PE	A-7	Demand in Restructured Environment 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	SIP	+
Propulsion System Using DTC-SVM 0372537 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	PE	B-8	1570376478 An Effective Combination Scheme for Improving Speaker Verification Performance	SIP	C-8	Mean Square (LMS) Algorithm 1570380153 Real-time Detection of \$2 Sound Using Simultaneous Recording of PCG and PPG	SIP	
0380190 Economic and Emission Generation Scheduling of Thermal	PE	A-9	Constraints 1570372854 Single-Switch Voltage Equalizer Based on Forward-Flyback	PE	B-9	1570371792 Disparity Estimation Using Adaptive Superpixel Assignment	SIP	C-9	1570380314 Robust Features for Automatic Estimation of Physical	SIP	4
Power Plant Incorporating Wind Energy	25	1.10	Resonant Voltage Multiplier for Partially-Shaded Series- Connected Photovoltaic Modules	25	2.40	and Gradient Weight, Binary Cost, and Dilation Based Local Matching Algorithm	CID	0.10	Parameters from Speech	CID	_
0372520 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	
0376438 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	
0379603 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	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	
70372340 Organic Photovoltaic Cell Fabrication with Reduced Graphene Oxide and Chlorophyllin as Layers	PE	A-13	Capacitors 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	7
0375417 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	đ
379904 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	T
376306 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	
372435 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	٦
0379611 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	
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Session Chair: S D Madhu Kumar	SIP	E-1	Session Chair: Kashif Nisar 1570380164 Quantifying Blood Glucose Level Using S11 Parameters	BME		Session Chair: Mamiko Inamori			1570275025 An Efficient Authorization Francescould for Consuma Industrial	SW	Ŧ
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	_		Interactive Session Day	3 (8th	Novemb	er 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 CDFIR:Cummulative 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		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	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	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	SIP	A-18	1570375408 Strain-Elasticity of Popliteal Vein in Pregnancy for Early	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		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		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		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		Influence of Particle Shape on the Efficacy of Plasmonic Metal Nanoparticles to Enhance the Energy Conversion Efficiency of Thin-Film Solar Cells		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		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		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		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		E-13		Numerical Analysis of MoTe2 Thin Film Solar Cell with Cu2Te BSF Layer	DMP	F-13	1570374916 Odevity 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		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