

***G.Pulla Reddy Engineering College (Autonomous)***

***International Conference on Advances in Signal  
Processing, Power, Embedded, Soft Computing,  
Communication and Control Systems***

***(ICSPECS-2019)***

**11<sup>th</sup> & 12<sup>th</sup> Jan 2019**

**DAY 1: 11/01/2019**

Registration	- 09.00 am to 09.30 am
Inaugural Function (Venue: Auditorium)	- 09.30 am to 10.00 am
Keynote Speeches (Venue: Auditorium)	- 10.00 am to 11.00 am
Tea Break	- 11.00 am to 11.15 am
Technical Session - I	- 11.15 am to 01.15 pm
Lunch Break	- 01.15 pm to 02.00 pm
Technical Session - II	- 02.00 pm to 04.00 pm

**Day 1**  
**TECHNICAL SESSION - I (11.15 am to 01.15 pm)**  
**Seminar Gallery-1 (ECE)**

1.	Adaptive Block Memory Management for Spatial and Temporal Locality in Flash Based Storage Systems <i>Dr S M Shamsheer Daula</i>
2.	QoS Guaranteed metrics for Dynamic Scheduling through Void filling and Burst Segmenting in OBS Networks <i>V. Kishen Ajay Kumar</i>
3.	Design of Step-up Inexact MAC (IMAC) Unit for DSP Applications <i>P V S R Bharadwaja</i>
4.	Performance Analysis of MMSE Combining in Multi-carrier Spread Spectrum Systems over NLOS Channel <i>L. L. Prasanna Kumar</i>
5.	Analysis and performance of human activity recognition system using Gabor filter bank with Hidden Markov Model <i>Dr Rajeev Shrivastava</i>
6.	Wireless Indoor Positioning Techniques Based on Ultra Wideband (UWB) Technology <i>B. Venkata Krishnaveni</i>
7.	A Novel Hash based Encryption technique on Video stegano-graphy integrity verification against attacks <i>V. Annapurna</i>
8.	A Novel Method For Dental Radiographs Contrast Enhancement For Efficient Diagnosis Of Dental Diseases <i>A. Ramana Kumari</i>
9.	Efficient Image Enhancement Techniques Applied on Medical Imaging-A State- of- The Art Survey <i>Munipraveena Rela</i>
10.	Comparison Study of Active Noise Cancellation <i>T Suman</i>
11.	Non-Subsampled Contourlet Transform based Multimodal Medical Image Fusion and its Performance Evaluation <i>Shaik Afroz Begum</i>

12.	Design and Analysis of Sierpinski Carpet Fractal antenna for UHF spaced antenna wind profiler Radar <i>Elluru Jayapal</i>
13.	Detection of Cumulonimbus Clouds based on DCT and Statistical Mean using NOAA Satellite Data <i>B Ravi Kumar</i>
14.	Performance Comparison For Ripple Carry Adder Using Various Logic Design <i>Dr. Rajendra Prasad Somineni</i>
15.	Adaptive Compressive Sensing Of Images Using Vsbcd Algorithm And Improvement <i>M Madhavi</i>
16.	A Study on Underwater Image Enhancement Techniques <i>Bharat Kumar. M</i>
17.	Segmentation of tumor along with healthy tissues of brain using Support vector machine and GLCM <i>Banavath Lalitha</i>
18.	Dynamic Susceptibility Contrast Perfusion Quantification using Spread Bases Function <i>B Rajeswari</i>
19.	Analysis of Multi-Frequency Multi-GNSS Real-Time Signal Observations Acquired by Septentrio PolaRx5 Receiver Station <i>Dr. K.C.T. Swamy</i>
20.	Detection of Glaucoma using Adaptive Neuro Fuzzy in DWT Domain <i>Dr.N.Ramamurthy</i>

**Day 1**  
**TECHNICAL SESSION - I (11.15 am to 01.15 pm)**  
**CSE e-classroom**

1.	<b>Text Spotting in Video: Recent Progress and Future Trends</b> <i>Manasa Devi Mortha</i>
2.	<b>An Inception towards better Big Data Clustering Technique</b> <i>Mujeeb Shaik Mohammed</i>
3.	<b>Latest Power Management Technologies for Mobile Computing Devices</b> <i>P. Nagabhushan Reddy</i>
4.	<b>Feature selection for Machine Learning with Big data</b> <i>K Kalpana</i>
5.	<b>A Comprehensive Study of Load Balancing Techniques in Cloud Computing</b> <i>K Samunnisa</i>
6.	<b>A survey on Traffic flow prediction with deep learning algorithms on big data</b> <i>J Swami Naik</i>
7.	<b>Detection of Malicious URLs Using Machine Learning Techniques</b> <i>ImmadiSETTI Naga Venkata Durga Naveen</i>
8.	<b>Advanced Mechanisims For Detection Of Malware Family Attacks In Computer Networks</b> <i>G Sunil Santhosh Kumar</i>

**Day 1**  
**TECHNICAL SESSION - I (11.15 am to 01.15 pm)**  
**EEE e-classroom**

1.	Comparison of closed loop Optimalhigh level Novel Multilevel Inverter Fed Induction motor driveusing PI controller and fuzzy Logic Controller <i>Bolla Madhusudana Reddy</i>
2.	A Scalar Based SVPWM And DPWM Techniques For 3-Level Inverter Fed Dtc Of Open End Winding Induction Motor Drive <i>S.Sarada</i>
3.	An Integrated Boost Parallel Flyback Converter For Multi Load <i>Medi Pallavi</i>
4.	Estimation of Power Spectral Density in SVPWM based Induction motor drives <i>Dr.V.Anantha Lakshmi</i>
5.	Speed Control of Induction Motor Using Lab View Simulation <i>Dr.V. Anantha Lakshmi</i>
6.	Gain-Scheduled Controller Design for Cooperative Adaptive Cruise Control: Towards Automated Driving <i>Ankur Jain</i>
7.	Automatic Generation Control of Autonomous Hybrid Power System using 2DOFPID Controller <i>V S R Pavan Kumar Neeli</i>
8.	Online Control of a Nonlinear Autonomous Vehicle in Presence of Network Delay <i>Ankur Jain</i>
9.	Analysis of harmonics and ripple content in vector control schemes for induction motor <i>M.Rama Prasad Reddy</i>
10.	Control Aspects Of Cooperative Adaptive Cruise Control In The Perspective Of The Cyber-physical System <i>Ankur Jain</i>
11.	Hybrid loop controlled dual axis solar tracking system for Residential communities <i>Dr.R.Srinu Naik</i>

**Day 1**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**Seminar Gallery-1 (ECE)**

1.	Theoretical Analysis of CMOS circuits in 90 nm Technology <i>Dr. D. Lakshmaiah</i>
2.	Low Power and High Speed Synchronous Carry Generate Adder using Modified Gate Diffusion Input Technique <i>P.Kishore</i>
3.	Selection criteria of measurement matrix for compressive sensing based medical image reconstruction <i>Ketki C.Pathak</i>
4.	Energy Efficient Co-Operative Spectrum Sensing Using Genetic Algorithm And Partial Swarm Optimization: A Review <i>Nisha Morasada</i>
5.	Design of log periodic dielectric resonator array for wide band applications <i>B V Ramana</i>
6.	Combined Fuzzy Local Binary Pattern and Wavelet Transform Features for Defect Detection of 11/33 kV Overhead Power Line Insulators <i>P. Surya Prasad</i>
7.	Prototyping Product –Oriented Introduction to Engineering Course <i>RajeshwarRao Arabelli</i>
8.	Design of Microstrip Antenna Array for Improvement of FBR Using Partial Ground Plane Technique <i>V.N. Lakshmana Kumar</i>
9.	Robust Bit Error Rate Optimization for MASSIVE MIMOCEM System using Channel Coding Method <i>G. Jagga Rao</i>
10.	Multi Attribute Test Pattern Optimization For Test Power Minimization In Digital Circuits <i>Y.Sreenivasula Goud</i>
11.	Variable Blocksize Motion Estimation for H.264 <i>Shafee Vunnisa Sayyad</i>
12.	Techniques for Detection and Classification of Brain Tumor from MRI Images <i>T. Lakshmi Narayana</i>

13.	<b>A Novel Technique for Buffer Based Advanced Video Coding</b> <i>Shafee Vunnisa Sayyad</i>
14.	<b>Detection Techniques for Selective Forwarding Attack in Wireless Sensor Networks</b> <i>Surinder Singh</i>
15.	<b>RSU Message Updating and Broadcasting Using TLB Algorithms with Secure Navigation in VANET</b> <i>S.Ramani</i>
16.	<b>A Multimodal Bio-Cryptosystem as a model against Spoofing Attacks</b> <i>Bhagya P</i>
17.	<b>An effective audio watermarking approach with high data embedding</b> <i>Hardeep Singh Sainia</i>
18.	<b>Automated Seed Sowing Machine Using Atmega2560</b> <i>B.Annapurna</i>
19.	<b>Survey on Channel Estimation of the Orthogonal Frequency Division Multiplexing</b> <i>Aswani Lalitha</i>
20.	<b>Analysis, Implementation and Comparison of Machine learning algorithms using WEKA Tool</b> <i>K.Srikanth</i>

**Day 1**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**CSE e-classroom**

1.	Use of Clustering Sentiments for Opinion Mining: An experimental analysis <i>Sriram Konduru</i>
2.	Semi-Automation of Libraries <i>Sriram Konduru</i>
3.	Dust-Reddening Studies Near The Taurus Molecular Cloud <i>Sathyanarayanan Kuzhikkatt</i>
4.	Survey Of Classification Techniques In Data Mining <i>Obulapu Bhaskaru</i>
5.	Handwritten Numeral Recognition using Deep Learning for Telugu <i>JaganMohanReddy D</i>
6.	I-Semi-supervised clustering for Network Intrusion Detection <i>Srinivasa Rao Narisetty</i>
7.	An IoT for Door-2-Door Residential & Commercial (Waste Generating Units) Authentic Data Collection for Municipal Solid Waste <i>Dr.Shaik Akbar</i>
8.	Bit-Plane Slicing Algorithm for Crime Data Security using Fusion Technologies <i>Dr.Shaik Akbar</i>
9.	Anemia Screening In Pregnant Women By Using Vectneighbour Classification Algorithm <i>Dithy M.D</i>
10.	A Review on Sentiment Analysis of Big Data: Techniques, Open Challenges <i>L.Sudha Rani</i>



**Day 1**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**EEE e-classroom**

1.	Performance Analysis of CMOS and FinFET Based Adiabatic SRAM Cell at 32nm Technology <i>Nanditha M S</i>
2.	Multi loop Controller design for multivariable processes Employing SISO PI Tuning Rules <i>G. Vamsi Krishna</i>
3.	Optimal Placement of PMU in a Transmission Network using Genetic Algorithm <i>Dr. J. Vijaya Kumar</i>
4.	Multi Quadrant Operation of Brushless Direct Current Motor Drive with PI and Fuzzy Logic Controllers <i>B.V. Arun Kumar</i>
5.	Estimating Degradation Factor by Performance Ratio of Rooftop Solar PV Plant <i>Rajesh Kumar</i>
6.	Robust Trajectory Tracking Control of a Mobile Manipulator using Non-singular Terminal Sliding Mode Control <i>S. J. Gambhire</i>
7.	Application of bird swarm algorithm for optimal allocation of renewable energy driven distributed generation <i>Sabarinath.G</i>
8.	Effects of Communication on the Performance of Cooperative Adaptive Cruise Control <i>Ankur Jain</i>
9.	Performance of Space Vector PWM based Induction Motor Drive using dSPACE <i>Syed munvar ali</i>
10.	Modeling and Comparative analysis of Solar Photovoltaic Array topologies under partial shading conditions <i>V. Bala Raju</i>

**DAY 2: 12/01/2019**

<b>Registration</b>	- 09.00 am to 09.30 am
<b>Keynote Speeches (Venue: Auditorium)</b>	- 09.30 am to 11.30 am
<b>Tea Break</b>	- 11.30 am to 11.45 am
<b>Technical Session - I</b>	- 11.45 am to 01.15 pm
<b>Lunch Break</b>	- 01.15 pm to 02.00 pm
<b>Technical Session - II</b>	- 02.00 pm to 04.00 pm
<b>Valedictory Function (Venue: Seminar Gallery1)</b>	- 04.00 pm to 05.00 pm

**Day 2**  
**TECHNICAL SESSION - I (11.45 am to 01.15 pm)**  
**Seminar Gallery-1 (ECE)**

1.	Full Reference-Image Quality Assessment with Global and Local Image Regions for Visual Quality Perception and Optimization <i>Syed Shanawaz</i>
2.	Realization of Butterworth Low Pass Filter Design in Microstrip <i>Salaithillaithilagam.J</i>
3.	Joint Deblurring And Denoising Of Hyperspectral Images With Pca And Total Variation <i>R.Sudheer Babu</i>
4.	Severity Analysis Of Mitral Regurgitation Using Multi-Objective Firefly Optimization Method <i>Dr.P.Abdul Khayum</i>
5.	Microstrip Antenna Design for Low Power Cognitive Radio Applications <i>T. Sarath Babu</i>
6.	A comparative analysis of subjective and objective quality measures for the enhancement of noisy speech <i>G Amjad khan</i>
7.	Effect Of K-Fold Cross Validation On Mri Brain Images Using Svm Algorithm <i>M.Jaya lakshmi</i>
8.	Design and implementation of High Performance CMOS Latch Designs in VDSM Technology <i>Dr.S.Govindarajulu</i>
9.	Design of low noise mixer in 65nm CMOS technology <i>K Raju</i>
10.	Performance Evaluation of MCHSEP and SEP Protocol for Wireless Sensor Networks <i>L. Jagadeesh Naik</i>
11.	Wavelet Domain Extraction of Features from single channel Sleep EEG <i>Vijayakumar Gurrala</i>
12.	Advancing knowledge on Regulating and saving of the Animals Health with Sensor and Networks through IoT <i>Subrata Chowdhury</i>

**Day 2**  
**TECHNICAL SESSION - I (11.45 am to 01.15 pm)**  
**CSE e-classroom**

1.	<b>Cloud Storage Auditing Protocol for Security Key Updates</b> <i>Shabana Shaik</i>
2.	<b>A Cloud-Based Event Processing Technique for Measuring Metrological Parameters of Rain Streams using SaaSand Analytics</b> <i>Dr.Kapa Hemalatha</i>
3.	<b>A Survey on various methods and approaches for Sentiment Analysis</b> <i>P.N.V.S.Pavan Kumar</i>
4.	<b>Software Engineering for Smart Healthcare Applications</b> <i>Neelu L</i>
5.	<b>Blockchain for IoT application: challenges and Issues</b> <i>M.Padma</i>
6.	<b>An Improved Stream Processing Approach</b> <i>Swathi</i>
7.	<b>Low Cost and PI Based Smart Home Garden Watering System Using IoT</b> <i>D.Sowmya</i>
8.	<b>Real Time Monitoring Of Integrated Coalmine Mashup Middleware System Using Wsn</b> <i>D. Navya Devi</i>
9.	<b>Survey on MIH</b> <i>CH.Srilakshmi Prasanna</i>
10.	<b>Effective use of ICT Tools in Open and Distance Learning</b> <i>Dr. A.V.R.Mayuri</i>

**Day 2**  
**TECHNICAL SESSION - I (11.45 am to 01.15 pm)**  
**EEE e-classroom**

1.	Constant Flux Control N-level Drive Application for Industries <i>Dr B Urmila</i>
2.	A Comparison Of Control Algorithms Of A Bev Propulsion Motor With Road Load Under Nedc <i>Banda Gururaj</i>
3.	IoT based Real Time Health Care Monitoring system using lab view <i>Dr.Nayeemuddin</i>
4.	A Single Core Double Inductor Buck-Boost Converter with Positive Output Voltage <i>G.Kishor</i>
5.	Optimal Power flow for IEEE-9 Bus System Using etap <i>S . Anil Kumar</i>
6.	Advanced rail clamping PWM Techniques based three level VSI fed DTC Induction motor drive for THD and Common mode voltage reduction <i>Dr. C. Harinatha Reddy</i>
7.	Performance evaluation of multiple carrier scalar PWM Algorithms for Cascaded Multilevel Inverter fed Induction Motor Drive <i>Nayeemuddin.M</i>
8.	Digital Implementation of Space Vector Based Coupled PWM Technique for Dual Inverter Configuration <i>M. Harsha Vardhan Reddy</i>
9.	Voltage Compensation Using Pv-Dvr With Sepic Converter <i>N.Saida Naik</i>
10.	Improvement Of Sag Under Different Fault Conditions <i>N.Saida Naik</i>

**Day 2**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**Seminar Gallery-1 (ECE)**

1.	Riverbed Modeler Simulation Based Performance Analysis of Routing Protocols in Mobile Ad Hoc Networks <i>Dr. Y Chalapathi Rao</i>
2.	IOT based smart Energy meter billing monitoring and controlling the loads <i>Dr.A.Subba Rao</i>
3.	Redundancy Algorithm Using Line Based Method for Memories achieving Less Area Overhead <i>V.R.Seshagiri Rao</i>
4.	Embedded Secured Authentication and speed limiting in various zones with alert system <i>Ms. M.Anusha</i>
5.	Design and Implementation of Traffic Density Controller using Wireless Communications <i>S Monika</i>
6.	Design and Implementation of Smart Floor Cleaning Robot using Android App <i>S Monika</i>
7.	Accident Detection And Alert System <i>T Kalyani</i>
8.	Feebly-Administered Deep Learning For Client Appraisal Soppiness <i>J. Mehanaz Begum</i>
9.	EPLQ: Efficient Privacy-Preserving Location-based Query over Outsourced Encrypted Data <i>M.Vani</i>
10.	A Secure Service Key sharing approach for Authorized Service Access in Wireless Network Services <i>D.V. Srihari Babu</i>

**Day 2**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**CSE e-classroom**

1.	A study on different phases and various techniques in recommendation systems <i>Mallari Vijay Kumar</i>
2.	Trends and techniques of handling big health data <i>S.Aarathi</i>
3.	A Review Of Bigdata Privacy Preservation Methods <i>Suddamalla Subbalakshmi</i>
4.	Optimal Feature Selection by Distribution Diversity for Sentiment Analysis <i>Dr. A.V.R.Mayuri</i>
5.	A Study on Different Phases and Various techniques in recommendation systems <i>Mallari Vijay Kumar</i>
6.	Deep Learning: An Overview <i>C Sreedhar</i>
7.	Effective use of ICT Tools in Open and Distance Learning <i>Dr.G. Sunil Vijaya Kumar</i>
8.	Study on various Sentiment Analysis Models <i>S Sujatha</i>
9.	A Survey on Mobile Cloud Computing in Lightweight Secure Data Sharing <i>R.Prashanthi</i>
10.	Deep Stock Prediction using Visual Interpretation: DeepClue <i>C. Durga Sruthi</i>

**Day 2**  
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**  
**EEE e-classroom**

1.	<p><b>Multi-Band Inverted 6 – Shaped Micro Strip Patch Antenna For 5G Applications</b></p> <p><i>Venkata Ramanaiah.G</i></p>
2.	<p><b>Intelligent Hybrid Fuzzy Controller Based Zeta Dc-Dc Conversion Device For Brush-Less-Dc Motor Drive Water Pumping System Fed From Pv</b></p> <p><i>V.Matthew</i></p>
3.	<p><b>Neuro-Fuzzy Based Load Frequency Control In Three Area Power Network</b></p> <p><i>A.Sai Pallavi</i></p>
4.	<p><b>A Novel Discrete Wavelet Based Protective Relaying Scheme For 3-Phase Induction Motor</b></p> <p><i>Shaik Musthak Ahmed</i></p>
5.	<p><b>Dynamic load sharing among DC-DC converter for maintenance of constant voltage</b></p> <p><i>L.Srujana</i></p>
6.	<p><b>Multi-Stage Switching Control of Multi- LQR'S for STATCOM Operating Over Wide Range of Operating Conditions in Power System</b></p> <p><i>Sai Shankar</i></p>