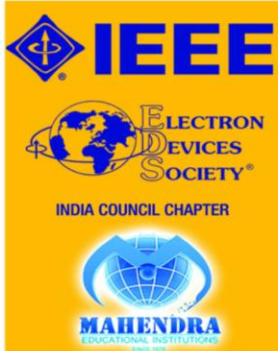




ICEDSS2018 MAHENDRA

**3rd IEEE Conference on
Emerging Devices and Smart Systems**
2 - 3 March 2018

IEEE Conference # 42183



www.mahendra.info

02.03.2018
Friday

Pre Conference Tutorials on **Technologies for Smart Cities**

DAY - 1

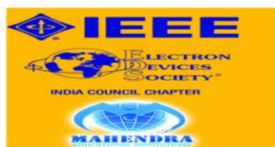
10.00 - 10.45	Inauguration
10.45 - 11.30	Session 1 – “ Lighting Technologies for Smart Cities ” Dr.Narendranath Udupa, Director and Department Head Philips Lighting India Limited, Bengaluru.
11.30 - 11.45	Tea Break
11.45 -12.30	Session 2 – “ Future of IoT in India and the Job Opportunities” Dr. G S Javed, PhD Senior Member Technical Staff Terminus Circuits Pvt. Ltd.
12.30 - 13.30	Lunch Break
13.30 - 14.30	Session 3 – “Smart Healthcare Solutions for Smart Cities” Shri. Abhishek Kumar Srivastava Technology Innovation Leader FICE Bangalore.
14.30 -15.30	Session 4 – “Research Challenges in IoT “ Dr.N.Bhalaji Professor, Department of IT, SSN College Of Engineering, Kalavakkam, Chennai.



ICEDSS2018
MAHENDRA

3rd IEEE Conference on
Emerging Devices and Smart Systems
2 - 3 March 2018

IEEE Conference # 42183



www.mahendra.info

03.03.2018
Saturday

DAY – 2
Session 1

Venue: Technology Learning Centre -1
Time: 10.00 – 12.30

Chair : Dr.S.Sakthivel Murugan, SSNCE, Chennai
Co-Chair: Dr.M.N.Shanmukha Swamy, Prof./ECE

Rapporteur : Dr.R.Vijayakumar, Prof./ECE

S.No.	Paper ID	Author(s)	Title
1	ICEDSS2018005	Sindhusaranya B Ellappan V	A survey on separation of blood vessels for detecting retinal vascular disorders
2	ICEDSS2018012	Chunchu Venkatesh and Vinoth Rathinam	Segmentation and Detection of Tumor in MRI images Using CNN and SVM Classification
3	ICEDSS2018027	Surabhi Agarwal dushyant singh	High PSNR based Image Fusion by use Brovey Transform
4	ICEDSS2018038	Hemalatha R, Rasu R, Santhiyakumari N Madheswaran M	Comparative analysis of Edge detection methods for 3D-Common Carotid Artery Image using Lab VIEW
5	ICEDSS2018055	Ajay Bhaskar, Aditya Hartalkar, Rehan Shaikh, Rohan Jacob Manita Rajput	Iris Movement Based Assistance for Catatonic Patients
6	ICEDSS2018059	Bhagatsing Jitkar Dr. Suhas Raut	A Novel Approach For Generation Of Optimized Image Index For Very Large Database
7	ICEDSS2018064	Pradeep Mullangi Srinivasa Rao Y	Poor Quality Underwater Image Enhancement for Aqua Farming using Hybrid WCID
8	ICEDSS2018067	Jeyasingh P Mohamed Ismail M	Real-time Multi Source Speech Enhancement based on Sound Source Separation using Microphone Array
9	ICEDSS2018069	Shanmuga Sundaram R Santhiyakumari N	Urban Sprawl Classification Analysis Using Image Processing Technique In Geoinformation System
10	ICEDSS2018079	Aby Elsa Babu, Anandu Subash, Deepa Rajan S, Femi Jacob Parvathy A Kumar	A Survey On Methods For Brain Tumor Detection
11	ICEDSS2018081	Suganthi S Sivakumar Duraisamy	Early Forecasting and Prevention of Cardio Vascular Disease Based on Human Life Style Factors
12	ICEDSS2018082	Georgie V Rajan, Dincy M Panicker, Nisha Elizabeth Chacko Jayalekshmi Mohan	An Extensive Study On Currency Recognition System Using Image Processing
13	ICEDSS2018085	Ginu George, Rinoy Mathew Oommen, Shani Shelly Stephie Sara Philipose	A Survey On Various Median Filtering Techniques For Removal Of Impulse Noise From Digital Image



ICEDSS2018
MAHENDRA

3rd IEEE Conference on
Emerging Devices and Smart Systems
2 - 3 March 2018

IEEE Conference # 42183



www.mahendra.info

03.03.2018
Saturday

DAY – 2
Session 2

Venue: Technology Learning Centre -2
Time: 10.00 – 12.30

Chair: Dr.Sudep Dasgupta, IIT, Roorkee.		Rapporteur: Dr.K.Manivel, Prof./ECE	
Co-Chair : Dr.N.Viswanathan, Prof./ECE			
S.No.	Paper ID	Author(s)	Title
1	ICEDSS2018011	Nikul Brahmbhatt Meera Narvekar	A Lossless model for predicting location of users in mobile environment
2	ICEDSS2018013	Dhivya Kesavan Arun Chockalingam	Establishing Device to Device Communication Under Cellular architecture
3	ICEDSS2018021	Likitha T, Ashok Kumar S Shanmuganathan T	Design of circularity polarized CPW Fed Antenna for ISM Band Applications
4	ICEDSS2018022	Lakshminarayanan R, Rajendran P Thangavel M	Efficient Energy improvement in heterogeneous WSNs using multilevel network modeling
5	ICEDSS2018032	Munesh Tripathi	Low Power based Manchester Encoder by GDI
6	ICEDSS2018045	S Kanthamani N.M. Mary Sindhuja	Design of 30 degree DMTL Phase Shifter for K band applications
7	ICEDSS2018049	Venu Adepu, S. Ashok Kumar T. Shanmuganantham	E-shaped DGS Microstrip Patch Antenna for Wi-Max Applications
8	ICEDSS2018050	Nanda Kumar M T. Shanmuganantham	SIW H-Spaced Head slot antenna for WLAN/GIFI Applications
9	ICEDSS2018094	Kedarnath G Sadashivappa	Implementation of demodulation scheme using FPGA for BPSK system-A review
10	ICEDSS2018095	Amulya K G Sadashivappa	Design and Implementation of a Reconfigurable Digital Down Converter for 4G Systems Using MATLAB and FPGA – A Review
11	ICEDSS2018033	Prakhar Sharma Manoj Sharma	A Comprehensive Study of Various Parameters Pertaining to Stability and Leakage in 8T and 9T Deep Submicron SRAM
12	ICEDSS2018034	Rojana R, Swathika K, Vasanth Priya A, Venkatesh M, Sowmya K Balamurugan N.B	Two Isolated Depletion Regions Analytical Model of Sheet Carrier Density and Threshold Voltage for InAlAs/InGaAs
13	ICEDSS2018058	Jaya Gaitonde Rajesh Lohani	Back-illuminated GaAs OPFET: A High Visible/UV Contrast Photodetector
14	ICEDSS2018074	Vijai Meyyappan, Joseph Daniel Shanmunga Raaja	Comparison Studies of Planar and Bulk Hetero Junction Nano Photo Diodes using Carbon Nano Tube's (CNT) and Graphene for Sub-retinal implant



ICEDSS2018 MAHENDRA

**3rd IEEE Conference on
Emerging Devices and Smart Systems**
2 - 3 March 2018

IEEE Conference # 42183



www.mahendra.info

03.03.2018
Saturday

DAY – 2
Session 3

Venue: Technology Learning Centre -3
Time: 10.00 – 12.30

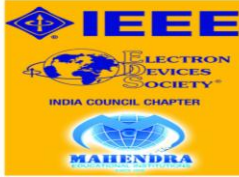
Chair: Dr.C.Periasamy, MNIT, Jaipur. Co-Chair : Dr.M.Muthuvinayagam, Prof./EIE			Rapporteur: Dr.S.Sumathi, Prof./EEE
S.No.	Paper ID	Author(s)	Title
1	ICEDSS2018004	Monika Bansal, Harsupreet Kaur	Analytical drain current model to study the impact of interface trap charges on device performance of Double Gate Ge Ferroelectric FET (DGGeFeFET)
2	ICEDSS2018033	Prakhar Sharma Manoj Sharma	A Comprehensive Study of Various Parameters Pertaining to Stability and Leakage in 8T and 9T Deep Submicron SRAM
3	ICEDSS2018034	Rojana R, Swathika K, Vasantha Priya A, Venkatesh M, Sowmya K Balamurugan N.B	Two Isolated Depletion Regions Analytical Model of Sheet Carrier Density and Threshold Voltage for InAlAs/InGaAs
4	ICEDSS2018035	Dharshana Venkat, Yasmina Fathima A, Balamurugan N.B, S.M.Bharathi Priamvatha, Ajitha V Harinie Santhakumar	A comparative analytical modeling of the electrical characteristics of double gate and dual material double gate TFETs
5	ICEDSS2018037	Dhanesh Kumar Taneja, Arathy Varghese Periasamy Chinnamuthan	Finite Element Method Based Performance Analysis of Piezoelectric Materials for Nanogenerator Applications
6	ICEDSS2018039	Divyam Gupta, Navjeet Bagga & Sudeb Dasgupta	Reduced Gate Capacitance of Dual Metal Double Gate over Single Metal Double Gate Tunnel FET: A Comparative Study
7	ICEDSS2018041	Swarga Mandal Sudeb Dasgupta	Modified CMOS Peak Detector and Sample hold Circuit for Biomedical Applications
8	ICEDSS2018042	Savitesh Sharma, Machawaram Kartikeyan Sudeb Dasgupta	FinFETs for RF Applications: A Literature review
9	ICEDSS2018043	Roopali K, Pradeep R Joseph Rodrigues	Assessment of Battery Technologies for Future of Electro-mobility in Emerging Markets
10	ICEDSS2018044	Alavanthar Theenathayalan, Ellappan V , Manivel K & Vijayakumar R	Photovoltaic Cells Design for Sub Retinal Research Application: A Theoretical Approach
11	ICEDSS2018048	Manikandan Ponnusamy, Tanmoy Maity Maheshwari Dharmaraj	Dual Loop Controller for Active Front End Rectifier
12	ICEDSS2018052	Varun Chhabra, Rajnsih Kaur, Changanamkandath Rajesh, Akash Deep	Facile and Efficient Nanofabrication of Brown Graphene Quantum Dots
13	ICEDSS2018061	Adhithan Pon, Madheswaran M, Santhia Carmel A, Ramesh R Arkaprava Bhattacharyya	Spacer Effects on the Circuit Performance of DG Junctionless Transistor



ICEDSS2018 MAHENDRA

**3rd IEEE Conference on
Emerging Devices and Smart Systems
2 - 3 March 2018**

IEEE Conference # 42183



**03.03.2018
Saturday**

**DAY – 2
Session 4**

**Venue: Technology Learning Centre -4
Time: 10.00 – 12.30**

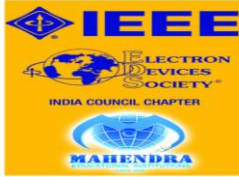
Chair: Dr.T.Shanmuganantham, PU, Pondicherry. Co-Chair : Dr.A.Neela Madheswari, Prof./CSE			Rapporteur : Dr.P.Ramya, Prof./CSE
S.No.	Paper ID	Author(s)	Title
1.	ICEDSS2018030	A Mary Judith V Rajamani	Energy Conservation using an Optimized Topology with Distributed Processing of EEG Signals
2.	ICEDSS2018046	Krishnaveni R S, Gomathi C Santhiyakumari N	Evaluating Throughput and delay in AODV algorithm Using Network Simulator-2
3.	ICEDSS2018056	Suresh Kumar Perumal Meenakshi Suresh Kumar	Estimation of Radar Cross Section of Arbitrary Shaped Objects using Method of Moments, Finite Element Method and Signal Processing Algorithm
4.	ICEDSS2018057	Abhin Sabu Anto Sahaya Dhas	A Survey on various Optical Character Recognition Techniques
5.	ICEDSS2018089	Juby Mary Abraham, Emi Johnson Sameera Sulaiman	Study On Road Accidents Using Data Mining Technology
6.	ICEDSS2018090	Cincy Raju, Siji Chacko Philipsy E	A Survey On Heart Disease Prediction Using Data Mining Techniques
7.	ICEDSS2018091	Dona Sara Jacob, Rakhi Viswan , V Manju	A Survey On Breast Cancer Prediction Using Data Mining Techniques
8.	ICEDSS2018092	Anju Mohandas Bindhya Babu	A Survey On Mining Social Media Data For Understanding Drug Usage
9.	ICEDSS2018093	Christy Kunjumon Sreelekshmi S Nair	Survey On Weather Forecasting Using Data Mining
10.	ICEDSS2018097	Sunitha S Dr. G Sadashivappa	Design and Analysis of 2X2 MIMO system for WLANs - A Review
11.	ICEDSS2018068	Divya Gudapati	Enhancement of Isolation in Dual-band Hemispherical DRA using DGS for MIMO systems
12.	ICEDSS2018077	Jothiramalingam K, Dhineshnabu N.R Srither S.R	Study the Complex Dielectric and Energy loss function of Graphene oxide nanostructures using linear optical constant



ICEDSS2018
MAHENDRA

3rd IEEE Conference on
Emerging Devices and Smart Systems
2 - 3 March 2018

IEEE Conference # 42183



www.mahendra.info

03.03.2018
Saturday

DAY – 2
Session 5

Venue: Technology Learning Centre -6
Time: 10.00 – 12.30

Chair: Dr.Sindhanaiselvi, PEC, Pondicherry.
Co-Chair : Dr.S.Umamaheswari, Prof./EEE

Rapporteur : Dr.P.Sureshkumar, Prof./EEE

S.No.	Paper ID	Author(s)	Title
1	ICEDSS2018006	Panneer Selvam Manickam Prakasam Periasamy	Tracking the Maximum Wind Power Point using Neuro-Fuzzy Control with DFIG-BESS for Wind Energy System
2	ICEDSS2018014	Sheela Sankari M Nagarajan C	Single-Stage High-Frequency Resonantac/Ac Converter Using Fuzzy Logic And Artifical Neural Networks
3	ICEDSS2018015	Satheeshkumar G.S., Nagarajan C Tamil Selvi S	A Virtual Impedance Based Analysis of Dynamic Stability in a Micro-Grid System
4	ICEDSS2018016	Santhana Lakshmi C Nagarajan C	Neural Controlled Multi-Level Inverter Based DVR for Power Quality Improvement
5	ICEDSS2018017	Geetha E Nagarajan C	Induction Motor Fault Detection And Classification Using Current Signature Analysis Technique
6	ICEDSS2018023	Umadevi K Nagarajan C	High Gain Ratio Boost- Fly Back Dc- Dc Converter Using Capacitor Coupling
7	ICEDSS2018024	Thirunavukkarasu S Nagarajan C	Performance Analysis of BLDC Motor Drive for Feed Drives
8	ICEDSS2018025	Lina Patil Swati Shinde	Parallel PI and PD Fuzzy Neural Network Controller Based on Extended Kalman Filter for Brushless Drives
9	ICEDSS2018028	Praveen Daniel J Nagarajan C	Hybrid Filter for Distorted Voltage Source In Microgrids
10	ICEDSS2018031	Kaleeswari Muthusamy, Dr.Madheswaran M Vijayakumar K	Comparative study on steady state performance of wind-driven DFIG system
11	ICEDSS2018060	Vijayakumar S, Jayaprakasan Veeragamoorathi Reeba Korah	Design and Analysis of Low Power, Area Efficient Skip Logic for CSKA Circuit in Arithmetic Unit
12	ICEDSS2018062	Santhia Carmel, Adhithan Pon, Ramesh R , Arkaprava Bhattacharyya	Effect of Edge passivation on the Electronic Properties of Zigzag Phosphorene Nanoribbons (ZPNRs) Antidots
13	ICEDSS2018080	Tamil Chindhu S Shanmugasundaram N	Clock Gating Techniques An Overview



ICEDSS2018 MAHENDRA

**3rd IEEE Conference on
Emerging Devices and Smart Systems
2 - 3 March 2018**

IEEE Conference # 42183



www.mahendra.info

**03.03.2018
Saturday**

**DAY – 2
Session 6**

**Venue: Technology Learning Centre -7
Time: 10.00 – 12.30**

**Chair: Dr.A.M.Kalpana, GCE, Salem.
Co-Chair : Dr.M.Kannan, Prof./CSE**

Rapporteur : Dr.R.Vijayarajeshwari, Prof./CSE

S.No.	Paper ID	Author(s)	Title
1	ICEDSS2018008	Santhoshkumar C Kaarthick B	Investigating the Crucial Parameters that influence the downlink scheduling in narrowband Internet of Things
2	ICEDSS2018018	Priyadarisshini B, Sindhaniselvi D Shanmuganatham T	Performance analysis of high sensitive micro cantilever for humidity sensing
3	ICEDSS2018026	Ruchika Kaushik Anil kumar Sharma	High accuracy based video surveillance system by local mean- based K-Nearest centroid neighbor algorithm
4	ICEDSS2018029	Vaibhav Khairnar Kamal Sandeep	Induction Motor Parameter Monitoring System using Zig bee Protocol & MATLAB GUI
5	ICEDSS2018036	Ashish Laddha, Vijayakumar K Satyanarayana Neeli	Brief Study on Multiple Port Converters with Sliding Mode Control
6	ICEDSS2018065	Ellappan V Tadesse Hailu	FPGA Based Architecture Of Elliptic Curve Scalar Multiplication For IoT
7	ICEDSS2018075	Rogith Balasubramani, Divakar Siva Baala Sundaram, Suganti Shivaram, Anjani Muthyala Shivaram Poigai	Multiscale Frequency Technique – A Robust Short-Time Series Biomedical Signal Analysis Tool for Wearable and Smart Devices
8	ICEDSS2018086	Sherine Mary, Muthukumar S, Ajithkumar S, Arivumathi M Sowndharya V	Network based flash flood alert system
9	ICEDSS2018087	Sneha Wilson, Shyni P Varghese, Nikhil G A Manolekshmi I	A Comprehensive Study on Fire Detection
10	ICEDSS2018088	Sherine Mary, Muthukumar S, Manisha A, Nandhini K Vanitha R	Sensor based automated washroom monitoring system
11	ICEDSS2018096	Maneesh Kumar M, Arun S, Muthu S, Murali Saranya M	A Survey On Crack Detection Technique In Railway Track
12	ICEDSS2018083	Christy Mary, Joseph Daniel Narayana Swamy	Design and Simulation Studies on Linearised MEMS Capacitive Accelerometer