

# AET-AEE 2010 Accepted Paper List

Paper ID	Title	Correspondence Author	Co-Authors	Email ID (Co-Authors)		
<b>FULL PAPER</b>						
1	ae2010-102	Application of Solar Powered High Voltage Discharge Plasma for NOX Removal in Diesel Engine Exhaust	Mr. S Mohapatro	--	--	
	ae2010-112	BER Performance Improvement in Coded-OFDM Systems using Equalization Algorithms	Mr. Bhasker Gupta	--	--	
	ae2010-113	A New Method of Determining Instability of Linear System	Mr. Yogesh V Hote	--	--	
	ae2010-123	Built-in Self Repair for SRAM array using redundancy	Mr. A Padma Sravani	--	--	
	ae2010-127	Wideband Compact Double Inverted-F Antenna for WLAN/WiMAX Applications	Mr. Debabrata Kumar Karmokar	--	--	
	ae2010-131	ANFIS Approach for TCSC-based Controller Design for Power System Stability Improvement	Mr. Sidhartha Panda	--	--	
	ae2010-14	CPW Fed Triangular Shaped Slot Antenna for WiMax Applications	Mr. Uma Shrestha	--	--	
	ae2010-140	Design & Simulation of Single Phase Power Factor Corrector for AC to DC Boost Converter using IC UC 3854 A	Mr. Jinesh patel	--	--	
	ae2010-144	Action functional of the electromagnetic field: Effect of Gravitation	Mrs. Arti Vaish	--	--	

10	ae2010-157	Quad-pixel edge detection using neural network	Mr. Mohammad Zahedinejad	--	--
11	ae2010-16	NEURAL NETWORK BASED UNBALANCE CURRENT AND VOLTAGE ESTIMATION	Mr. K Vinoth Kumar	--	--
12	ae2010-166	SIMULATION AND DEVELOPMENT OF DSP BASED EXCITATION CONTROL SYSTEM FOR SYNCHRONOUS MOTOR	Mr. Swapnil Jani	--	--
13	ae2010-173	Sensor Aided Automatic Path Finding Wheelchair	Mr. Apratim Majumder	--	--
14	ae2010-180	A New Wavelet Based Algorithm For Power Distribution Networks	Mr. N Zamanan	--	--
15	ae2010-25	Simulation Studies of Shunt Passive Harmonic Filters: Six Pulse Rectifier Load – Power Factor Improvement and Harmonic Control	Mr. Seema P Diwan	--	--
16	ae2010-29	Application of Adaptive Control Technique to Interacting Non Linear Systems	Mr. V R Ravi	--	--
17	ae2010-31	Design and Analysis of Adaptive Neural Controller for Voltage Source Converter for STATCOM	Mr. Aman Ganesh	--	--
18	ae2010-36	An Optimal Probabilistic Traffic Engineering Scheme for Heterogeneous Networks	Mr. Chinmay Chakraborty	--	--
19	ae2010-39	Design of a 45nm TIQ Comparator for High Speed and Low Power 4-Bit Flash ADC	Mr. S S Khot	--	--
20	ae2010-40	Area Optimized Root Raised Cosine Pulse Shaping Filter for	Mr. Vikas Agarwal	--	--

DVB-S2 Receivers

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21	ae2010-50	New Model Variable Frequency Transformer (NMVFT) – A Technology for v/f Control of Induction Motors	Mr. Farhad Ilahi Bakhsh	--	--	
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22	ae2010-54	Static Synchronous Series Compensator (SSSC) with Superconducting Magnetic Energy Storage (SMES) for the Enhancement of Transient Stability in Multi-Area System	Mr. S Padma	--	--	
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23	ae2010-59	Voltage Stability Constrained Available Transfer Capability Calculation using MATLAB	Mr. T Ananthapadmanabha	--	--	
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24	ae2010-61	Assessment of Market Power in Deregulated Electricity Market with Congestion	Mr. J Vijaya Kumar	--	--	
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25	ae2010-66	Simultaneous Generation Expansion Planning and Natural Gas Expansion Planning	Mr. A Nobakht	--	--	
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26	ae2010-67	Design of CPW fed E-shaped Reconfigurable Antenna with Frequency Diversity	Ms. CHILUKURI SULAKSHANA	--	--	
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27	ae2010-69	Loss Reduction by Optimal Placement of Distributed Generation on a radial feeder	Mr. Sampath Kumar Bodapatla	--	--	
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28	ae2010-70	Programmable current mode MOCCCII based Multifunctional filter & Multiphase oscillator	Mr. Ale Imran	--	--	
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29	ae2010-71	Variability Aware Interconnect Driver Design For Subthreshold Circuits	Mr. S D Pable	--	--	
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30	ae2010-75	Multi-objective Optimization in Improving Robust Control of Distillation Column	Mr. Saeed Partovi	--	--	
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31	ae2010-78	Design of UPQC with minimization of DC Link voltage for the Improvement of Power Quality by Fuzzy Logic Controller	Mr. R V D Rama Rao	--	--
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32	ae2010-87	Novel Voltage mode multifunction filter based on Current Conveyor Transconductance Amplifier	Mr. Neeta Pandey	--	--
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33	ae2010-9	Economic Dispatch of Thermal Units with the Impact of Wind Power plant.	Mr. S P Agrawal	--	--
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34	ae2010-92	A new single-phase PV fed five-level inverter topology connected to the grid	Mr. M Kaliamoorthy	--	--
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35	ae2010-93	Solar Powered Single Stage Boost Inverter with ANN Based MPPT Algorithm	Mr. R M Sekar	--	--
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36	ae2010-94	Modeling and Control of Three Phase Self Excited Induction Generator Connected to Grid	Mr. Gerald Christopher Raj	--	--
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37	ae2010-99	On the Performance Analysis of Multi-antenna Relaying System over Rayleigh Fading Channel	Mr. Anup Dey	--	--
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<b>SHORT PAPER</b>					
1	ae2010-103	Treatment of NOx from Diesel Engine Exhaust by Dielectric Barrier Discharge Method	Mr. S Mohapatro	--	--
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2	ae2010-105	TCAD Simulation of Gate Tunneling Current for Nano MOSFET with High-k Gate Stack Structure	Mr. Ashwani Kumar	--	--
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3	ae2010-119	Nanometric Thickness Measurement Device for Thin Transparent Films	Mr. S Sudharssun	--	--
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4	ae2010-126	ANALYSIS OF PAVEMENT MANAGEMENT ACTIVITIES PROGRAMMING BY PARTICLE	Mr. Navid Reza Tayebi	--	--

## SWARM OPTIMIZATION

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6	ae2010-145	Wind Energy Validation Using Available Wind Potential	Mr. A G Thosar	--	--	
7	ae2010-15	Sleeve Monopole Antenna for WiMAX Applications	Mr. N Gunavathi	--	--	
8	ae2010-156	Fast Edge Detection in Binary Image	Mr. Hamed Mehrara	--	--	
9	ae2010-162	Dynamic Sub-channel Allocation in Multiuser OFDM Systems to Achieve Variable Data Rate	Mr. Harish Kumar	--	--	
10	ae2010-179	HAND GESTURE VERIFICATION USING FUZZY FEATURE MATCHING	Mrs. J Priyadharshini	--	--	
11	ae2010-182	A NOVEL COMPENSATING TECHNIQUE FOR POWER FACTOR IMPROVEMENT IN POWER ELECTRONIC SYSTEMS	Mrs. C Anuradha	--	--	
12	ae2010-32	Design and Control of PSS using ANN to Damp out Low Frequency Oscillations in SMIB	Mr. Nitin singh thakur	--	--	
13	ae2010-38	Implementation of Single Phase Shunt Active Filter for Low Voltage Distribution System	Mr. M P Selvan	--	--	
14	ae2010-4	JPEG Compressed Image Transmission using Unequal Power Allocation (UPA) over MIMO-OFDM Systems	Mr. K Karthik	--	--	
15	ae2010-41	Sigma Delta Converters	Mr. Anagha V Choudhari	--	--	

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16	ae2010-42	MULTIDIMENSIONAL SCALING ALGORITHM AND ITS CURRENT APPLICATIONS IN WIRELESS LOCALIZATION	Mr. Kulvir kaur	--	--	
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17	ae2010-45	Light Triggering Thyristor for HVDC and Other Applications.	Mr. C K DWIVEDI	--	--	
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18	ae2010-49	Performance Comparison of Rerouting Schemes of Multi Protocol Label Switching Network	Dr. Yogesh P Kosta	--	--	
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19	ae2010-52	Identification of Reactive Power Reserve in Transmission Network	Mr. Robert Lis	--	--	
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20	ae2010-6	MODELLING AND CONTROL OF FIVE-PHASE INDUCTION MOTOR DRIVE	Mr. J Bala Krishna	--	--	
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21	ae2010-60	Low-Density Parity-Check Coded M-QAM Systems	Mr. H Praveena	--	--	
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22	ae2010-63	Optimal Placement of Distributed Generation Reducing Loss and Improving Voltage Sag Performance Using Genetic Algorithm	Mr. Soma Biswas	--	--	
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23	ae2010-65	Optimally Learnt, Neural Network Based Autonomous Mobile Robot Navigation System	Mr. Maulin M Joshi	--	--	
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24	ae2010-74	A New Approach to Reduce Power Dissipation in BIST	Mr. Rohit Lorenzo	--	--	
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25	ae2010-82	Real Time Speaker Identification System – Design, Implementation and Validation	Mr. M Meenakshi	--	--	
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26	ae2010-83	An Intelligent Speed Controller for Indirect Vector Controlled Induction Motor Drive	Mr. R Arulmozhiyal	--	--	
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27	ae2010-	Brain Structure Segmentation of	Mr. C Anna	--	--	

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28	aee2010-95	A Novel Controller Based 48-Pulse STATCOM for Reactive Power Compensation and Voltage Stabilization in High Voltage Applications	Mr. S M Padmaja	--	--
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<b>POSTER PAPER</b>					
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2	aee2010-106	Influence of Skin and Proximity effects on Surge Voltage Distribution in Transformers	Mr. B V Sumangala	--	--
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3	aee2010-108	Improved Dynamic Performance and Stability of a Three Phase Induction Motor fed by a Tri-State CSI with Reduced Total Harmonic Distortion on the Input side of the Motor	Mr. B Jaganathan	--	--
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4	aee2010-110	SVPWM Control of Five Level Five Phase Voltage Source Inverter	Mr. M M Irfan	--	--
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5	aee2010-111	A CMOS Buffer without Short Circuit Power Consumption	Mr. Rakesh Kumar Yadav	--	--
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7	aee2010-115	Designing Linear Phase Two-Dimension Digital FIR Filters With flat magnitude	Mr. Nilufar Rajabion	--	--
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8	aee2010-12	Statistical Analysis of Noise in MOS Gas Sensor Based Electronic Nose with Pulsed Temperature Modulation	Mr. N Dutta	--	--
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9	aee2010-122	Parametric design of 32nm CNFET based CCII for optimized performance	Mr. Ale Imran	--	--

10	ae2010-125	Energy Efficiency and Latency Analysis of IEEE 802.15.4 MAC Layer for Wireless Body Sensor Networks	Mr. Ajeya B	--	--
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14	ae2010-150	POWER SYSTEM RELIABILITY IMPROVEMENT USING RISK INDEX ESTIMATION TECHNIQUE	Mr. M Deben Singh	--	--
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19	ae2010-177	Bibliographical Review on Optimal Capacitor Configuration for Enhancement of Distribution System Reliability and Power Quality Part II – Approach to Capacitor Placement in Distribution System	Mr. P M Sonwane	--	--
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23	ae2010-24	MIMO Reception Techniques for over-the-air Transmission in MMDS Frequencies	Mr. Keshav Singh	--	--
24	ae2010-44	The Role Of Advance Voltage Source Inverter in Power System Transmission line	Mr. Rahul Somalwar	--	--
25	ae2010-5	Channel Capacity Maximization In OFDM Systems	Mr. Ashutosh Dubey	--	--
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