

[RTEEE-2010]

[MAY 14-15, 2010]

**National Conference on Recent Trends in Electrical and Electronics Engineering
(RTEEE-2010)**

Haryana College of Technology and Management, Kaithal

Programme Schedule

DAY 1 - May 14, 2010 (Friday)

INAUGURATION SESSION (09.30 a.m. to 11.00 a.m.) Venue: Seminar Hall (IT/CSE)

Photo Session and Tea (11.00 a.m. to 11.15 a.m.)

SESSION I VENUE-Seminar Hall (IT/CSE)	INVITED TALK (11.15 a.m. to 1.00 a.m.) Dr. K.S. Sandhu , Chairman, Electrical Engineering Department, NIT Kurukshetra.
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LUNCH (1.00 p.m. to 2.00 p.m.)

SESSION II VENUE-Seminar Hall (IT/CSE)	TECHNICAL SESSION-A (2.00 p.m. to 3.00 p.m.)
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TEA (3.00 p.m. to 3.15 p.m.)

SESSION III VENUE-Seminar Hall (IT/CSE)	TECHNICAL SESSION-B (3.15 p.m. to 4.15 p.m.)
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DAY 2 - May 15, 2010 (Saturday)

SESSION IV VENUE-Seminar Hall (IT/CSE)	INVITED TALK (10.00 a.m. to 11.00 a.m.) Dr. Y. R. Sood , Prof., Electrical Engineering Department, NIT Hamirpur.
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TEA (11.00 a.m. to 11.15 a.m.)

SESSION V VENUE-Seminar Hall (IT/CSE)	TECHNICAL SESSION-C (11.15 a.m. to 1.00 p.m.)
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LUNCH (1.00 p.m. to 2.00 p.m.)

SESSION VI VENUE-Seminar Hall (IT/CSE)	TECHNICAL SESSION-D (2.00 p.m. to 3.00 p.m.)
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TEA (3.00 p.m. to 3.15 p.m.)

SESSION VII VENUE-Seminar Hall (IT/CSE)	VALEDICTORY SESSION (3.15 p.m.- 4.15 p.m.) Chairperson: Dr. D.P. Gupta , Director (HCTM Group of Institutions)
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Technical Session –A
(2:00 p.m.-3:00 p.m.)

Sr. No.	Paper Title
A1	Electrical energy conservation in India achievements problems and their solution <i>Sanjay Kumar, Yog Raj Sood</i>
A2	PID controller design using various existing methods for coupled-tank process <i>G.L Pahuja, Pooja Choudhary.</i>
A3	Modeling and simulation of a three-phase induction machine during motoring and plugging <i>K. S. Sandhu, Vivek Pahwa</i>
A4	Optical network design for future internet <i>Rajiv Kumar, Rahul Gupta, Maninder Singh, Vinod Kumar</i>
A5	Fuzzy logic and genetic algorithm, hybridization of neural networks <i>Sarla Kumari, Suman Sheoran</i>
A6	Morphological filter based contour extraction of breast tumors <i>Syed Abdaheerm, Ekram Khan</i>
A7	Design and analysis of a low power ternary content addressable memory <i>Ankaj Garg, Sandeep Arya</i>
A8	Advanced nanotechnology and its utilization <i>Sunil Kumar Saini</i>
A9	An assessment for calculation of voltage sag and effect of different fault distributions <i>Pooja Khatri, Seema Nara, Jatin Garg</i>
A10	The implementation Of 800 Kv convertor station For HVDC transmission system <i>R.Chandralekha</i>
A11	A low power CMOS schmitt trigger with high hysteresis <i>Chanchal Chawla, Vandana Niranjana</i>
A12	Assimilation of consistency and ecological aspects in post design phase of mechatronics. <i>Deepak Gaur, Somvir Arya, Richa Gaur, Jitender Goswami</i>
A13	Noise reduction formula at the expense of analog multipliers in analog communication <i>Debojyoti Majumdar, Pawan Kumar Verma</i>
A14	A comparative study of time-delay estimation techniques <i>Prem Parkash, Mamta Arora, Sanjeev Dhull</i>
A15	Review of designing short circuit proof transformer <i>Sudhir Sharma, Deepak Kumar</i>
A16	Analysis of clamped rectangular plate through ansys for mems capacitive pressure sensors <i>Lovely Chawla, Rakesh, N Tiwari, Vinita</i>
A17	Scada based integrated operation <i>Parveen Kumar, Veenu Singla, Sheifali Gupta, Vikas Singhal</i>
A18	Power quality utilization in harmonic system. <i>.Niranjana yadav, Vimal, Vinod Shokeen</i>

A19	Wideband impact of buildings and trees on satellite mobile communication systems <i>Ravi Kumar, Aman Soni, Rajeev Kumar, Sandeep Panwar</i>
A20	Significance of small - scale hydro power <i>Arvind Dewangan, Nitin Aggarwal</i>
A21	Renewable energy sector growth in India <i>Arvind Dewangan, Nitin Aggarwal, Mahavir, Prakash Dewangan</i>
A22	Fault tree analysis with binary decision diagram <i>Kuldeep Sihag, Nitin Aggarwal, Mahavir, Krishan Chander</i>
A23	The seven types of power problems and their possible solutions <i>Surinder Kumar, Neelam , Rajeev kumar, Parmod kumar</i>
A24	Automatic generation control using matlab/simulink <i>Ankur Gupta, Reena Kumari, Kirti Gupta</i>
A25	Combined operation of magneto hydro dynamic (MHD) power generator with thermal power plant <i>Nitin Aggarwal, Ravi Sharma, Gaurav Sharma, Jitender Kumar, Bhanu Partap Singh</i>
A26	Matrix simulation on field programmable gate arrays (FPGA) <i>Vandana Sheoran, Vinay Arora</i>
A27	Carbon nanotubes (CNTS) - production, fabrication and applications <i>Deepika Agrawal, Richa Agrawal, Sarla Kumari</i>

Technical Session –B
(3:15 p.m. - 4:15 p.m.)

Sr. No.	Paper Title
B1	Grid challenges with increasing renewable energy penetration <i>Mandeep Kaur, Rajinder Singh</i>
B2	Extraction of text from image <i>Deepti Garg</i>
B3	Face detection under various tactics <i>Ajay Kumar, Meena Mallik, Karamjeet kaur</i>
B4	Web crawler system architecture <i>Sapna Bajaj, Abhinav Juneja</i>
B5	A study of estimation of harmonic component using adaptive linear combiner <i>Mamta Arora, Prem Parkash</i>
B6	Pilot determination using fuzzy logic for channel estimation in OFDM <i>Sonia Jain</i>
B7	A modified high hysteresis low power CMOS schmitt trigger <i>Chanchal Chawla, Vandana Niranjana</i>
B8	LTE-advanced and mobile WiMAX: Meeting the IMT-advanced specifications for the next generation mobile communication <i>Amit Kumar, Yunfei Liu, Suresh Garg</i>
B9	Mathematical analysis for heterostructured LEDs <i>Rupender Singh</i>
B10	Technical review of high resolution imaging <i>Vijay Pal Singh, Priyanka, J.S. Saini</i>
B11	High performance CMOS comparator using verilog design <i>Veenu Singla, Aman Soni, Rajeev Kumar, Suman Sheoran</i>
B12	Automated TCP diagnosis with pathdiag <i>Amit Yadav, Raj Kumar Yadav</i>
B13	A Review of capacitor placement techniques for loss reduction on distribution systems <i>Bhawna Kalra</i>
B14	A Novel protocol based data communication controller for low cost networking applications <i>Anuradha Pughat</i>
B15	Wireless sensor networks - attacks and countermeasures <i>Neeraj Kumar, Vinay, Urmilla Arya</i>
B16	Energy saving through scalar control of induction motor drives <i>Deepak Kumar, Gaurav Singhal, Nitin Aggarwal</i>
B17	Steady state analysis of three phase self- excited induction generator using optimization techniques <i>Amit Dhiman, Nitin Aggarwal, Arvind Dewangan</i>
B18	Simulation of current source inverter (CSI) with resistive load and its comparison with voltage source inverter (VSI) <i>Mahavir, Nitin Aggarwal, Kuldeep Sihag, Krishan Chander</i>

B19	Use of power electronic devices FACTS and HVDC for power system <i>Surinder Kumar, Neelam, Rajeev kumar, Parmod kumar</i>
B20	RFID technology: A Review <i>Tarun Singhal, Deepak Rana, Nitin Agarwal, Parveen Kumar</i>
B21	Novel dual band coplanar-fed monopole antenna for WLAN/WiMAX applications <i>Vikas Kumar, Ankit Chaudhary, Davinder Parkash</i>
B22	Implementation of I2C protocol <i>Deepak Rana, Ganeesh Jain, Jaspreet Kaur, Rahul Lalit, Swati Mishra</i>
B23	Sag mitigation techniques by dynamic voltage restorer using Matlab /Simulink <i>Rajender Kumar, Mandeep kumar Surinder Kumar, Neha</i>
B24	A study of digital watermarking techniques & its applications <i>Richa Agarwal, Deepika Agarwal, Sunil Kumar, Vijender Kumar</i>

Technical Session –C
(11:15 a.m. - 1:00 p.m.)

Sr. No.	Paper Title
C1	Dissolved gas analysis: a effective tool of condition monitoring of power transformer <i>Naveen Kumar Sharma, Yog Raj Sood, Raj Kumar Jarial</i>
C2	Proportional-Integral-Derivative controller tuning of armature controlled Dc motor using Genetic Algorithm <i>Seema Nara, Naveen, Papinder, Gurinder Singh Virk</i>
C3	Tuning of temperature control system using matlab <i>Seema Nara, Naveen, Papinder, Gurinder Singh Virk</i>
C4	Moems: micro-opto-electro-mechanical systems and applications <i>Sunil Kumar Saini</i>
C5	E-waste management: A culture 'Must' for the world <i>Rajiv Kumar, Rahul Gupta, Maninder Singh, Vinod Kumar</i>
C6	Performance analysis of interleaving schemes in CDMA system using simulink <i>Rajiv Kumar, Maninder Singh, Vinod Kumar, Prabhjot Kaur</i>
C7	Mac protocol for wireless sensor networks <i>Sarla Kumari</i>
C8	Smart techniques for diagnosis in power transformer <i>Naveen Kumar Sharma, Nishant Prakash, Yog Raj Sood</i>
C9	Transient modeling of a three phase SEIG using rotor reference frame <i>Vivek Pahwa, K. S. Sandhu</i>
C10	An introduction to volterra filters and neural network filters <i>Disha Bathla</i>
C11	Streaming technology in 3G mobile communication systems <i>Disha Bathla</i>
C12	A new method for minimization of transmission losses using optimization <i>Prashant Kumar Tiwari, Yog Raj Sood</i>
C13	Signaling system 7:Protocol stack and architecture for telecommunication <i>Mukta gahlawat</i>
C14	A model of security for distributed system <i>Tejbir Singh, Ashish Oberoi</i>
C15	Routing protocols for mobile ad-hoc networks and their performance issues using network simulator <i>Mukta Gahlawat</i>
C16	Adaptive line enhancer methods for carrier tracking <i>Kanika Ahlawat , Nisha Charaya, Sanjeev Dhull</i>
C17	Object detection using morphological image processing <i>Isha Jain, Babita Dahiya</i>
C18	Various approaches of image steganography <i>Neeraj Dahiya, Savita</i>
C19	Three phase pwm modulation based d-statcom for balanced and unbalanced sag mitigation using matlab/simulink <i>Surinder Kumar, Vivek Kumar, Ankush Sharma, Samir Sharma</i>
C20	Induction motor rotor fault diagnosis using wavelet transform <i>Ranjeeta Roy, V. K. Giri</i>

C21	Custom device d-statcom for sag mitigation by using matlab /simulink <i>Mandeep kumar, Neha, Rajender Kumar, Surinder Kumar</i>
C22	Power efficient design using complementary MOS technology <i>Abhishek Acharya, Manmohan S. Juneja, Shankar Lal Sharma, S. Shekhawat</i>
C23	Adaptive channel equalizer – Modified LMS algorithm <i>Nisha Charaya, Sanjeev Dhull</i>
C24	Analysis of single sided linear induction motor using comsol multiphysics: A computational tool using FEM <i>Manvir Kaur, Seema Nara</i>

Technical Session –D
(2:00 p.m. - 3:00 p.m.)

Sr. No.	Paper Title
D1	Modeling, analysis and simulation of induction machine under various operating modes: A literature review <i>K. S. Sandhu, Vivek Pahwa</i>
D2	Nanotechnology : “An emerging technology” <i>Sunil Kumar Saini</i>
D3	Performance analysis of ultra – wide band system using simulink <i>Rajiv Kumar, Maninder Singh, Vinod Kumar, Prabhjot Kaur</i>
D4	Comparison of OFDM and UWB system using simulink <i>Rajiv Kumar, Maninder Singh, Vinod Kumar, Prabhjot Kaur</i>
D5	A study of laser applications <i>Sarla Kumari</i>
D6	3G To 4G and ad-hoc networks <i>Ajay Kumar, Meena Mallik</i>
D7	Crt methods in galois fields & It’s usage for encryption along with modified RSA algorithm for encryption <i>Disha Bathla, Neetu Setia</i>
D8	Intelligent traffic lights control by fuzzy logic <i>Disha Bathla</i>
D9	A magic of vedic mathematics in digital multiplication <i>Rupender Singh</i>
D10	Microcontroller-based off-line state-of-charge estimation <i>Rashmi Priyadarshini</i>
D11	Peak-to-average power control in OFDM using linear block codes <i>Manisha Rajoriya, Ritu Singh, Shilpi Mittal</i>
D12	Mobile wimax based key management scheme <i>Manwinder Singh, Anudeep Graya</i>
D13	Telemetry <i>Manwinder Singh, Anudeep Graya</i>
D14	Embedded system : Saving lives during earthquake <i>Rohit Chopra, Nitin Arora, Anil Kumar Dubey, Kunal Chawla</i>
D15	Study and performance evaluation of link adaptation in OFDM system <i>Richa Gaur, Deepak Gaur, Somvir Arya, Jitender Goswami</i>
D16	Power quality <i>Amit Atri, Neena Ahuja</i>
D17	A New wavelet approach to busbar differential protection <i>Shaik Musthak Ahmed, Shaik Abdul Gafoor, M.Raghavendra Rao</i>
D18	Renewable energy status in India <i>Naveen Kumar Sharma, Prashant Kumar Tiwari, Yog Raj Sood</i>
D19	Comparison of different wireless technologies bluetooth, WiFi, and WiMAX <i>Shashilata, Deepti Goyal</i>
D20	Simulation study of power quality disturbances <i>Nitin Aggarwal, Deepak Rana, Tarun Singhal, Arvind Dewangan</i>
D21	Electric system automation using wireless sensor network <i>Tarun Singhal, Jatin Garg, Soniya Tyagi, Neelam Rathi</i>

D22	RFID based toll plaza <i>Deepak Rana, Ganeesh Jain, Jaspreet Kaur, Rahul Lalit, Swati Mishra</i>
D23	Test pattern generator for boundary scan based interconnect testing <i>Pankaj kumar, Abhishek Singhal</i>
D24	Minimal check pointing protocol for mobile distributed systems <i>Ajay Satija, Vivek Sharma</i>