NATIONAL CONFERENCE ON EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY

14th & 15th April, 2012
Organized By
GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD

Technical Sessions & Paper Presentation Schedule

Date : 14th April, 2012 (Day-1)

"ECO-FRIENDLY COMMUNICATION"

DATE	Time	TOPIC	VENUE
14th April 2012	8:30 to 9:30	**Registration & High Tea**	**Ahmedabad Management Association, Dr. Vikram Sarabhai Marg, University Area, Ahmedabad, Gujarat**
	9:30 to11.30	**Inaugural Function.**	
	11.30 to 12:30	**Lunch Break**	
	12:30 to 13:00	**TECHNICAL SESSION – I** **Prof. Dr. S. Mukherjee , I.I.T Roorkee ,** **Speaker and Chair Person - Green Communications**	
	13:01 to 14:30	Performance Analysis of Discrete Cosine Transform Based Digital Image Watermarking *Bhavna S. Patel, Kamal Kumar Verma* *Rajasthan Institute of Engineering & Technology, Jaipur*	
		Novel Image Segmentation for Aircraft Type Recognition Using Hausdorff Distance *Suhas BBhise, Ajay B. Patil* *Rajarambapu Institute of Technology, Islampur*	
		Analysis of Space Vector Modulation Technique *M. A. Lokhandwala, Hina B. Chandwani, Y. P Kosta* *Parul Institute of Engineering & Technology, Vadodara*	
		Development of Enhanced Bi-directional Audience Opinion Acquisition System *Madhuriben D Thakkar, Ila D Parmar* *Parul Institute of Engineering & Technology, Vadodara*	
		Various Methodologies for Steganography: It's Detection and Evaluation *Shashank S. Mitta, Kiritkumar R.Bhatt, Reena M.Patel* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	
		Dual Rate Speech Coder ITU G.723.1 Implementation and Simulation *Unnati P. Shah, Kamlesh D Sangani* *Parul Institute of Engineering & Technology, Vadodara*	
		Digital Watermarking of a motionless image using DWT *Arvind R. Yadav, Marmik H. Bhavsar* *Parul Institute of Engineering & Technology, Vadodara*	
		Developing DSP Laboratory by Implementation of Speech Processing Algorithm Using CCS And DSK6713 Based On Tms320c6713 Digital Signal Processor *Hardik S. Kathiriya, Ankit K. Parmar* *Shri Sad Vidya Mandal Inst. of Tech., Bharuch*	
		Orientation Computation of Fingerprint Image *Kinnari Shah, Arvind R. Yadav, Ekata Mehul* *Parul Institute of Engineering & Technology, Vadodara*	
		Modeling of LV SYSTEM Standardized Input / Output in CONTROCAD: An Experimental Study *Roma K.Patel, Sanjeev Gupta* *Parul Institute of Engineering & Technology, Vadodara*	

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DATE	TIME	TOPIC	VENUE
	14:30 to 14:45	**TEA BREAK**	
		TECHNICAL SESSION – II **Dr. Mehul S Raval- DAIICT, Gandhinagar** **Speaker and Chair Person – Idea of Simultaneous Sampling and Compressing**	
		Robust Adaptive Image Security Using Mixed Frequency Domain *Mohammed G. Vayada, Anil C. Suthar, Arvind R. Yadav* *Parul Institute of Engineering & Technology, Vadodara*	
		A Mel- Filter and Kepstrum Based Algorithm for Noise Suppression in Cochlear Implants *Mitul M. Patel* *Parul Institute of Engineering & Technology, Vadodara*	
		Analytical Change in Power Spectrum Density in Speech for Normal and Depressed Person *Navin Khambhala, Hardik Mewada, Anil C. Suthar* *Parul Institute of Engineering & Technology, Vadodara*	
14th April 2012	15:15 to 17:00	ITU-T G.729.1 Wideband Speech Coder *Manish Jaywant Pavar, Mitul M. Patel* *Parul Institute of Engineering & Technology, Vadodara*	Ahmedabad Management Association, Dr. Vikram Sarabhai Marg, University Area, Ahmedabad, Gujarat
		Designing and Implementation of Licence Plate Recognition Using Image Processing *Jwolin M. Patel, Arvind R. Yadav* *Parul Institute of Engineering & Technology, Vadodara*	
		Review Paper on 'Text Dependent Speaker Recognition System Using K-Mean Algorithm' *Nitinkumar C. Patel, Kalpesh R. Jadav* *Parul Institute of Engineering & Technology, Vadodara*	
		Vision System Based Robot for Arrow Detection *Vaibhav Patel, KalpeshJadav* *Parul Institute of Engineering & Technology, Vadodara*	
		An Efficient Implementation of Medical Image Compression Using Cavlc Algorithm *Harsha Jairaman, Bhavini P. Parmar* *Shri Sad Vidya Mandal Inst. of Tech., Bharuch*	
		BioMEMS: Present and Future *Anil B Patil , Manoj S Kavedia* *Smt. S. H. M. Institute of Technology, Maharashtra*	
		A Novel Data Hiding Technique for LSB Steganography *Nakrani Miteshkumar B., S.K.Chhotaray* Sardar Vallabhbhai Patel Institute of Technology, Vasad	

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Technical Sessions & Paper Presentation Schedule
Date : 15th April, 2012 (Day-2)
"ECO-FRIENDLY COMMUNICATION"

DATE	TIME	TOPIC	VENUE
	8:30 to 09:00	**TEA**	
	09:00 to 09:30	**TECHNICAL SESSION-III** **Dr. R. A. Thakker, VGEC, Chandkheda ,** **Speaker and Chair Person – Organic Electronics and RFID**	
15h April 2012	09:31 to 11:15	Review of Different Techniques of Speaker Recognition *Dhrumil A. Patel , Maulin M. Joshi* *Sarvajanik college of Engineering and Technology, Surat*	Ahmedabad Management Association, Dr. Vikram Sarabhai Marg, University Area, Ahmedabad, Gujarat
		Study of GA, PSO, PSO-EA & ABC Algorithms *Vimal H. Nayak, Haresh A. Suthar, Umang H. Soni* *Parul Institute of Engineering & Technology, Vadodara*	
		Increased The BER with the Modified DES Algorithm *Rita R. Padvi, Hina R. Patel* *Parul Institute of Engineering & Technology, Vadodara*	
		Adaptive Modulation & Coding with MIMO Techniques in IEEE 802.11n *Hetal N. Shah, Hardip K. Shah* *Dharmsinh Desai University, Nadiad.*	
		Survey of Improving TCP Performance Over Wireless Networks Using Loss Differentiation Algorithm *Nikita B. Dalwadi, Purvang D. Dalal* *Government Engineering College, Surat*	
		Algorithms Developed for Advance Wireless Control Unit *Chaitali S. Panchal , Payal D. Kansagra* *Parul Institute of Engineering & Technology, Vadodara*	
		FPGA Implementation and Comparative Analysis of Fragile and Robust Watermarking Algorithm *Vidita B. Kanani, A. I. Darvadiya* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	
		A New Design of Low Noise and High Speed SRAM Cell *Kanan Patel, Y.B.Shukla* *C.U. Shah. College of Engg & Tech, Wadhwan*	
		A Survey on Implementation of VGA on FPGA *Ashish B. Pasaya, Kiritkumar R. Bhatt* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	
		Low Voltage Resized Design of Programmable Current Mirror *Rajashree N. Jetani , Devang Shah, K.R.Bhatt* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	

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DATE	Time	TOPIC	VENUE
	11:15 to 12:00	**LUNCH BREAK**	
	12:00 to 12:30	**TECHNICAL SESSION – IV** **Prof. Ved Vyas Dwivedi -Noble Group of Institutes** **Speaker and Chair Person – Optimization of Electronics Devices: Design Issues**	
15h April 2012	12:31 to 14:15	Dual Band Patch Antenna Design for Wireless LAN *N .J. Bathani, J. V. Dave* *L.D. College of Engineering, Ahmedabad*	**Ahmedabad Management Association, Dr. Vikram Sarabhai Marg, University Area, Ahmedabad, Gujarat**
		High Gain and Wide Bandwidth Microstrip Patch Antenna *Utkarsh V. Shah, Jagdish M. Rathod, Ila D. Parmar* *Parul Institute of Engineering & Technology, Vadodara*	
		Prediction of Earthquake & Tsunami Using Remote Sensing & GIS *Shweta A. Gupta* *Parul Institute of Engineering & Technology, Vadodara*	
		Energy Detection Algorithm in Cognitive Radio Network under Noise Uncertainty and Dynamic Threshold *Khyati P Vachhani , Vimal Prajapati* *Kalol Institute of Technology*	
		Design and Performance Analysis of Orthogonal Space Time Block Code *R. S. Modi, M.A.Lokhandwala P. A. Lalwani, K. R. Parmar* *Parul Institute of Engineering & Technology,Vadodara*	
		Performance Comparison of RS Codes Using MFSK and MPSK Modulation *Parmar Kokila, M.A.Lokhandwala, M.B.Potdar* *Parul Institute of Engineering & Technology,Vadodara*	
		Wireless Energy Metering Using ZigBee and GSM Technologies *Yashesh K.Pujara, Gaurav G. Shah , Jignesh Patoliya* *Charotar Institute of Technology, Changa*	
		Design issues in Routing Algorithms for Wireless Sensor Networks *Prashant J Bagga, Anuj Chadha* *Nirma University, Ahmedabad*	
		A Novel Approach of Communication in Microgrid *C. V. Pandya, P. H. Tandel, I. N. Trivedi* *Parul Institute of Engineering & Technology, Vadodara*	
		Special Types of Switched Beam Smart Antenna System-Butler Matrix *Khyati D. Chavda, A.R.Charania, Neha Dabhi* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	

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15h April 2012	**14:15 to 14:30**	**TEA BREAK**	**Ahmedabad Management Association, Dr. Vikram Sarabhai Marg, University Area, Ahmedabad, Gujarat**
	14:30 to 15:00	**TECHNICAL SESSION - V** **Mr. Prajose John, e-Infochips Ltd., Ahmedabad** **Speaker and Chair Person – FEMTOCELL Works IN 4G Technology**	
	15:01 to 16:30	Analysis on SEU Mitigation Techniques for FPGA *Hemal R. Patel, Hardik Mewada, Rushabh Shah* *Parul Institute of Engineering & Technology, Vadodara*	
		Implementation of Time of Flight and Mass by Charge Ratio Measurement Algorithms for Mass Spectrometer *Sandeep J. Rajput, , Amish B. Shah, Arvind R. Yadav* *Parul Institute of Engineering & Technology, Vadodara*	
		Performance Comparison of Noise Tolerant Domino Logic Configurations *Mitesh J. Limachia, Sumit K. Patel, Nikhil Kothari* *Dharmsinh Desai University, Nadiad*	
		Analysis of Barcode Reading System *Jay A. Patel , S.K.Chhotaray* *Sardar Vallabhbhai Patel Institute of Technology, Vasad*	
		Performance Evaluation of Modified Flood Fill Algorithm Using Microcontroller Based System *Anjali G. Chauhan, Mr .Haresh A. Suthar* *Parul Institute of Engineering & Technology, Vadodara*	
		A Review Paper on Semiconductor Memory Architectures *Tanmay H. Bhatt* *Parul Institute of Engineering & Technology, Vadodara*	
		Designing and Simulation of DDR2 Physical Layer Sub Blocks *Pratik B. Vihol, Tanmay H. Bhatt* *Parul Institute of Engineering & Technology, Vadodara*	
		Analytical Study on "Field Programmable Gate Array" for Digital System Design *Umang H. Soni, Anuradha P. Gharge, Vimal H. Nayak* *Parul Institute of Engineering & Technology, Vadodara*	
		Designing of a 4Kb SRAM Memory Using Negative Word Line Scheme for 180nm Technology *Ashish V. Gupta* *Parul Institute of Engineering & Technology, Vadodara*	
		Multi Level Logic & Its Applications to Interface With Digital System *Utsav Kumar Malviya, Renu Dubey,* **Sumant Katiyal** *GGITS, Jabalpur*	
	16:31 to 17:00	**Valedictory Function**	