



IEEE
SCET,SB

National Conference on
***"Recent Advances in Communication,
Control and Computing Technology",***
RACCCT 12

29-30 March, 2012, Surat, India



Day I 29/3/2012 Thursday

Time	Details
9:30- 10.00	Registration and High tea (Audio Video Room)
10:00 – 12.00	Inaugural function and Keynote address (N J seminar Hall, Administrative Building) Invited guest : <ol style="list-style-type: none"> 1. Dr. Suman Mitra (Vice chair, IEEE Gujarat Section) 2. Dr.D.V. Bhatt (Chairman IE, SGLC) 3. Shri Kamlesh Yagnik (Chairman, CSI , Surat chapter) Key note address: By Dr. Suman Mitra, DAIICT, Gandhinagar on Pattern Recognition
12.00 – 12.45	Lunch
12.45 – 15:00	(Parallel sessions) Technical Session I: EC Dept. Room No: (F105) Technical Session II: EC Dept. Room No: (F106) Poster Presentation: N J seminar hall, Administrative Building
15.00 - 15:15	Tea Break
15.15 - 17.15	(parallel sessions) Technical Session III (EC dept.) (F105) and Tutorial Session on Cryptography (N J seminar hall) by Dr. Asoke Nath, (Assistant Professor, Department of Computer Science, St. Xavier's College,Kolkata)

Day II 30/3/2012 Friday

Time	Details
9:30- 10.00	High tea
10:00 – 12.15	(parallel sessions) Technical Session IV : at EC Dept. Room No: (F105) Technical Session V : at EC Dept. Room No: (F106)
12.15– 13.00	Lunch
13.00 – 14:00	Panel discussion on “Opportunities in IT sectors, industries and career, Indian context” during RACCCT 2012 in association with CSI-, Surat Chapter. Session chair: Prof. Niteen Patel (SCET) , Invited panel members : Shri Kamlesh Yagnik (Chair, CSI Surat), Shri Tejesh Patel (vice chair, CSI surat), Shri Naren Burade (CEO Varee infotech) Prof S V Patel (Prof. VNSGU)
14.00 - 14:15	Tea Break
14.15 - 16.30	Technical Session VI at EC Dept. Room No: (F105)

3 Days Workshop on Android : 29/3/2012 to 31/3/2012 at MCA Department SCET, Conducted by Prof Gayatri Kapadia, Prof Zankhana Panwala, and Mr Parth Joshi

Details of Technical Sessions

Technical Session I Day I 29/3/2012 Thursday 12.45 – 15:00

Place: EC Dept. Room No: (F105)

Registration ID	Name of author	Topic
RACCCT1002	Rakesh d. Koringa, Tejas s. Patel	Comparative analysis of bit error rate performance of simulink based OFDM and DSSS-OFDM model
RACCCT1029	Kamal a. Patel, Tejas s. Patel	Analysis of MC-CDMA system and BER performance based on MMSE detection scheme
RACCCT1047	Taral j.patel , prof. Tejas s. Patel	BER performance of M-PSK modulation with Least Square (LS) & Minimum Mean Square Error (MMSE) channel estimation technique in OFDM
RACCCT1068	Shilpam saxena, Rajat shrivastava	Recent Developments in Defected Microstrip Structures
RACCCT1079	N.j.bathani, Prof. J. V. Dave	Dual Band Patch antenna design for 3G and ISM application
RACCCT1081	Monali mandli, A.p. seema gonsai	Implementation Of Random Vector Quantization Based Limited Feedback MU-MIMO technique For Next generation High performance IEEE 802.11n based WLAN
RACCCT1090	Madhav khandelwal, Anuradha kaul	Increasing of Call Success Rate In GSM Service Area
RACCCT1095	Ravi a. Parikh, Aasiya topiwala, Prof. Rakesh k. Soni	MATLAB Based Simulation Of QPSK Demodulation For Space Application
RACCCT1100	Soumik roychowdhury, Sukla basu	Analysis of Conventional and Shorted Equilateral Triangular Microstrip patch Antenna
RACCCT1109	Khyati chavda, Prof. A. R. Charania	Design and Analysis of a Passive Beam forming Network Using for Wi - Fi Application
RACCCT1117	Rohit matolia	Multi User and Multi Carrier Code Division Multiple Access Scheme with different spreading codes in Slow Fading Environment.
RACCCT1144	Thrinath K.,Lakshminath S, Sowmya A,Amulya G, Yashwant A,vinay kumar	Outage analysis of basic diversity combining schemes In nakagami-0.5 fading channel
RACCCT1022	Sajal Kumar Das, Dr Karthik Muralidhar	Adaptive selection of Receiver Filter for Sensitivity Boosting
RACCCT1105	Ajay Yadav Amitesh Kumar	X-Band Microstrip Parallel Coupled Band Pass Filter
RACCCT1084	Shilpa Jangid Mithilesh Kumar	Design ofBand Notched UWB Patch Antenna with Circular Slot

Technical Session II (parallel session) Day I 29/3/2012 Thursday 12.45 – 15:00

Place: EC Dept Room No: (F106)

Registration ID	Name of author	Topic
RACCCT3011	Subhash Chandra Pradhan	Genetic Algorithm for Solving Vehicle Routing Problem
RACCCT3012	Priyanka Sarkar, Mitu Das, Abhishek Majumder	Gateway Load Balancing in wireless Mesh Networks: a Survey
RACCCT3014	Dr.G.Sahoo, Rashmi, Dr.Shabana Mehruz	A new Waterfall Model for Cloud Migration
RACCCT3018	Satyaki Roy, Navajit Maitra, Shalabh Agarwal, Asoke Nath, Joyshree Nath	Ultra Encryption Standard (UES) Version-I: Symmetric key Cryptosystem using generalized modified Vernam Cipher method, Permutation method and Columnar Transposition method
RACCCT3021	Yagnik A Rathod, Prof. M.B. Chaudhari	Database Intrusion Detection by mining audit log
RACCCT3023	Charusmita Dhiman, Prof. P. B. Swadas	Performance Evaluation Of Aodv Routing Protocol In Vehicular Adhoc Networks
RACCCT3026	Prasenjit Dey, Monalisa Dey, Mamata Dalui	Quick Consensus in The Presence of Both Link and Node Failure
RACCCT3034	Kavita K Ahuja, Hemang Desai	Data Security Issues For Cloud Computing
RACCCT3038	M. H. Mehta, V. V. Kapadia	Intelligent Adaptive Mutation Based Genetic Algorithm With Catfish-PSO effect For Combinatorial Optimization Problems
RACCCT3042	Pradeep Gamit, Pravin Patel, Chirag Suryakant Thaker	Load Sharing Optimization Of Multipath Tcp In Heterogeneous Networks
RACCCT3044	Bhavik N. Patel, Prof. B.V. Buddhdev	Analytical Study of QOS Parameters in MANET Protocols

Technical Session III Day I 29/3/2012 Thursday 15.15 – 17.15

Place: EC Dept. Room No: (F105)

Registration ID	Name of author	Topic
RACCCT1017	Pavan Kumar Manchikalapudi, Prof.Rajeev Tripathi	Design for Testable and Fault Tolerant Circular Banyan Switch for Next Generation Networks
RACCCT1050	Bidesh Chakraborty , and Mamata Dalui	A Test Scheme for TSVs in 3D ICs with Minimum CA Hardware
RACCCT1057	Vaibhav Chhaya, Mazad S. Zaveri	CMOS Current-based Mixed-Signal Architecture for Vector-Matrix Multiplication
RACCCT1091	Raghava G , S.Vasu Krishna , Dr.K.Lal Kishore	HIGH SPEED CMOS COMPARATOR DESIGN WITH 5mv RESOLUTION
RACCCT1097	Kanan Patel, Y.B.Shukla	Design of Low Noise and High Speed SRAM Cell
RACCCT1110	Namrata Saxena Yadav, Mahendra Nitharwal, Anuj Chaturvedi, V. K. Khanna, R.Sharma, R.Mukhiya	Mask Designing and Process Definition of Backside Contacted ISFET
RACCCT1119	Mausami R.Desai Prof.K.R.Trivedi	Embedded Communication System Using Concept of IoT for Environmental Monitoring
RACCCT1130	Viral Makwana, Vandana Shah, Roma Patel	32*32 bit matrix coprocessor design using VHDL-FPGA device for Advanced RISC Machine operations
RACCCT1142	Mr. Priyank v. Patel Prof. Nehal shah	IMPLEMENTATION OF ADVANCED ENCRYPTION ALGORITHM WITH AREA OPTIMIZATION
RACCCT1149	Padvi Rita R. Heena R. Patel	FPGA Implementation of DES Algorithm Using Fine Key-Scheduling
RACCCT1070	Hitesh H. Mathukiya, Prof. Naresh M. Patel	F matrix based parallel CRC generation for USB application

Technical Session IV (parallel session) Day II 30/3/2012 Friday 10:00 – 12:15

Place: EC Dept. Room No: (F105)

Registration ID	Name of author	Topic
RACCCT2005	S.Srinivasan, A.K.Parvathy	HARDWARE IMPLEMENTATION OF NONLINEAR CONTROLLER FOR PMSM USING PIC
RACCCT2008	Rana.Urvesh.Rameshbhai, Dr. S.N.Pandya	Simulation Of Active Shunt Filter For Harmonic Elimination Due To Non Linear Load
RACCCT2015	Ashoka Shyama Prasad, Dr. Abhinna Chandra Biswal, Abhilash Gopalakrishnan	Requirements Engineering in Substation Automation using Simulation Platform
RACCCT2023	Sanjay C Patel, M A Mulla	Comparison of Series Hybrid Active Power Filter and Shunt Active Power Filter for Harmonic Elimination and Required Inverter VA Rating
RACCCT2028	Saiyad Mohammadsoaib M, Hitesh K. Mehta	Bidirectional speed control of PMBLDC motor - A MATLAB® / SIMULINK® Implementation
RACCCT2031	Payal Patel, M. A. Mulla	Generalized Instantaneous Power Theory and its Application to Series Hybrid Active Power Filter
RACCCT2032	Sudeshna Ghosh, Anurag Shrivastava, D.Suresh Babu, Siju George	Simulation of HPF Electronic Ballast with HFCIT
RACCCT2004	Devang B Parmar, Kaumil B. Shah, Nehalkumar A.Mistri	Direct torque Control Strategy of PMSG Based Variable Speed Wind energy conversion system
RACCCT2036	Jamliya Nitesh Hiralal, Prof. Keerti S. Vashishtha	DC Motor Speed Control Using Model Predictive Control
RACCCT2037	Vora Darshan Rajesh, Prof. Shabbir S. Bohra	Control Strategy With Various Power Filters For Single-stage Single-phase Grid Connected PV inverter
RACCCT2040	Vaibhav Aaradhi, Ketaki Gaidhani	Special Problems in Gas Insulated Substations (GIS) and their effects on Indian Power System
RACCCT1036	Mr. Gaurav N Mehta , Mr. Jay J Dhol	Compensation of Reactive power and Fluctuating Voltage by using STATCOM device

Technical Session V (parallel session) Day II 30/3/2012 Friday 10:00 – 12:15**Place: EC Dept. Room No: (F106)**

Registration ID	Name of author	Topic
RACCCT1004	Sandeep Joshi S.L. Maskara	Overview of Video Coding and Compression Techniques for Modern TV
RACCCT1015	Rushali R. Narwekar, Jigar H. Shah	Subjective Comparison Of Speech Enhancement Techniques Based On Wavelet Transform
RACCCT1072	Prerna Agarwal, Ritesh Srivastava, Shivani Agarwal	A novel method for automatic facial emotion using machine learning neural network classifier.
RACCCT1086	Priyanka Chakraborty, Angsuman Sarkar	Investigation and comparison of noise suppression in speech signals using LMS and RLS algorithms
RACCCT1099	Rohan Duttam, Angsuman Sarkar	A Comparative Performance Study of Adaptive Filtering in Noise Cancellation using Anti-Noise between Conventional and two new LMS Algorithms
RACCCT1122	Joydeep Kushari, Angsuman Sarkar	Variable Step-Size NLMS and Affine Projection Algorithms for Echo Cancellation: A Comparative Study
RACCCT1128	Dhruvil A. Patel, Maulin M. Joshi	Text Dependent Speaker Recognition based on Mel-frequency Cepstral Coefficients (MFCC) and Vector Quantization
RACCCT1041	Krunal H Chaudhari, Narendra B Gohil, Tejash S Patel	Comparative Analysis of Adaptive Algorithms for Broadcast Channel based on Channel Equalization
RACCCT1140	Ms. Vineeta, Prof. V.K.Patel, Prof. A. K. Charania	Channel Estimation with LMS Algorithm for WiMAX System Model
RACCCT1147	Sangitaba G. hudasama, Prof. Kunal P. Acharya	Design of 2D quadrature filter and their application for orientation estimation
RACCCT1141	Krunal S. Dhimmar, Prof. Neeta Chapatwala	CELP Coder with Comparison for Different Bit rate

Technical Session VI Day II 30/3/2012 Friday 14:15 – 16:30

Place: EC Dept. Room No: (F106)

Registration ID	Name of author	Topic
RACCCT1054	Paras P. Gambhava, Yagnesh J. Parmar	Implementation of Tumour Detection Technique using Brain MRI Image Segmentation with Improved GVF Snake Model
RACCCT1059	Hitesh V Domadia, Vibha Gupta, Mohit J Rathod	Weapon Detection Using DT-CWT Image Fusion Method
RACCCT1069	Madhavi B. Desai, Prof. N. M. Patel	Survey on Universal Image Steganalysis Methods
RACCCT1075	Dr. Kota Solomon Raju, Palash Phukan,	An FPGA Implementation of a Fast 2-Dimensional Median Filter
RACCCT1121	Dr. Kota Solomon Raju, Mridula Gangal, Vijeta Sengar , Mr. Pramod Tanwar, Palash Phukan	An FPGA Implementation of GMSK Modulator using Sunderland's architecture for GSM standards
RACCCT1116	Harsh Holalad, Girish Shirigannavar, Manasa Upadhyaya	A Comparative Study of Various Image Segmentation Techniques and Classifiers for a Fruit Recognition System.
RACCCT1118	Nipunika Jain , Shubham Singh , Prof. Atul R. Patil	Analysis of Vital signs of Identity: Finger Biometric Method employing Infrared Imaging
RACCCT1138	Aarti , Pushpendra Kumar Rajput	Color Secret Sharing with Ideal Contrast Using Bit Plane Encoding with (k,n) -VCS
RACCCT1027	Nikita B. Dalwadi , Purvang D. Dalal	Survey of Improving TCP Performance over wireless networks using Loss Differentiation Algorithm
RACCCT1065	Divyang J. Pastagiya	Pertinence of Public Key Cryptography for Wireless Sensor Network
RACCCT1103	Jani Nidhi Rashmikant, Prof. S.K.Hadia , Dr. Jani Preetida V.	Cluster Formation For Distributed Cooperative Detection in Cognitive Radio Networks
RACCCT1127	Kirti Inamdar , Y.P. Kosta, S. Patnaik	The Negative Parameter Retrieval of Metamaterials
RACCCT1134	V.S.Naveen Kumar, A.Kavithamani	Secured Biometric Authentication System Based On Face Recognition
RACCCT1137	Shailesh V. Beldar, Ashish Sarvaiya	Design of a Dual-Band Band Reject Filter for Wireless and Satellite Applications