

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

Program Highlights			
9th August 2012 (Thursday) – ACC (Venue: RSET)			
08:30AM– 09:30AM	Registration		
09:30AM --10:30AM	ICACC Inaugural Event	Registration	
10:30AM --11:15AM	Plenary Talk (Dr RajuNarayana Swamy, IAS)		
11:15AM --11:30AM	TEA BREAK		
Parallel Technical Sessions			
11:30AM --1:00PM	Artificial Intelligence and Knowledge Computing (AIKC-1) Session chair: Dr. Vinod Chandra S S, Kerala University (Venue : Gallery Hall)	Modeling & Analysis of Communications Systems (MACS-1) Session chair: Dr. Deepti D. K RSET (Venue : Conference Hall)	Signal Processing Architectures and Models (SPAM-1) Session Chair: Dr. P. Mythili, CUSAT (Venue : Multimedia Hall)
01:00PM -- 02:00PM	Lunch		
02:00PM--02:45PM	Plenary Talk (Dr Florian Schatz, Christian-Albrechts-University, Germany)		
Parallel Technical Sessions			
02:45PM -- 03:45PM	Artificial Intelligence and Knowledge Computing (AIKC-2) Session chair: Dr. B. Priestly Shan, SJ CET (Venue : Gallery Hall)	Modeling & Analysis of Communications Systems (MACS-2) Session chair: Dr. Babita R. Jose, CUSAT (Venue : Conference Hall)	Signal Processing Architectures and Models (SPAM-2) Session chair: Dr. Mini. M.G, MEC (Venue : Multimedia Hall)
3:45PM – 4:15PM	Plenary Talk (Dr. Rakesh Kumar Bajaj, Jaypee University of Information Technology)		
Parallel Technical Sessions			
4:15PM -- 5:30PM	Ubiquitous Intelligence and Cyber-Physical Computing (UICC-1) Session chair: Dr. Rakesh Kumar Bajaj, JIT (Venue : Gallery Hall)	Image Processing and Information Retrieval (IPIR-1) Session chair: Dr Florian Schatz, CAU (Venue : Conference Hall)	Signal Processing Architectures and Models (SPAM-3) Session chair: Dr. P. Murali Krishna, NPOL (Venue : Multimedia Hall)
End of 1 st Day			

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)

9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

10th August 2012 (Friday) – ICACC/ICECCS (Venue: RSET)			
08:00AM -- 9:45AM	Registration		
9:45AM -- 10:30AM	Plenary Talk (Dr. Tuhina Samanta, BECS, Calcutta)		
10:30AM -- 10:45AM	TEA BREAK		
10.45AM – 11.30AM	Plenary Talk (Mr Vijaykumar Nair, CTO, Assyst)		
Parallel Technical Sessions			
11:30AM -- 1:00PM	VLSI Systems and Applications (VLSIS-1) Session chair: Dr. Jobin K.A, RSET (Venue : Gallery Hall)	Energy Efficient software System and Applications (EESSA-1) Session chair: Dr. Abraham Thomas, RSET (Venue : Multimedia Hall)	Wireless Communication Systems (WCS-1) Session chair: Dr. Deepti D.K, RSET (Venue : Conference Hall)
1:00PM -- 02:00PM	Lunch		
02:00PM -- 02:45PM	Plenary Talk (Dr. S. K. Sinha, CEDT, IISc, Bangalore)		
Parallel Technical Sessions			
2:45PM -- 4:15PM	Reliability and Information Security (RIS -1) Session chair: Dr. Surekha M. Varghese, MACE (Venue : Gallery Hall)	Green Energy Technologies (GET-1) Session chair: Dr. Vincent G., RIT (Venue : Multimedia Hall)	Image and Signal Processing (ISP-1) Session chair: Dr. Bhadran V., Attingal Engineering College (Venue : Conference Hall)
4:15PM—4.45PM	TEA BREAK		
4:45PM --6:30PM	Reliability and Information Security (RIS -2) Session chair: Dr. Surekha M. Varghese, MACE (Venue : Gallery Hall)	Bioinformatics and Emerging Technologies (BIET-1) Session chair: Dr. Tuhina Samanta, BECS (Venue : Multimedia Hall)	Image and Signal Processing (ISP-2) Session chair: Dr. Babita R Jose, CUSAT (Venue : Conference Hall)
06:30PM – 7:00PM	Break/ Networking		
07:00PM – 9:00PM	Cultural Programs	Conference Banquet	

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)**

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

Program Highlights			
11th August 2012 (Saturday) (Venue: RSET)			
08:30AM – 09:30AM	Registration		
09:30AM -- 10:00AM	Parallel Technical Sessions		
	Image Processing and Information Retrieval (IPIR-2) Session chair: Dr. M.P. Rajan, IISER (Venue : PG 301)	VLSI Systems and Applications (VLSIS-2) Session chair: Dr. Jobin K Antony, RSET (Venue : PG 303)	Secure and Reliable Systems (SRS-1) Session chair: Dr. Shajan Mathew (Venue : PG 302)
10:00AM --10:45AM	Plenary Talk (Dr K. P. Ray, SAMEER, Bombay)		
10:45AM --11:30AM	Plenary Talk (Prof. Govindan Rangarajan, IISc Bangalore)		
	Parallel Technical Sessions		
11:30AM --1:00PM	Advances in Wireless and Microwave Technology (WAMT-1) Session chair: Dr P Abdullah, CUSAT (Venue : Multimedia Hall)	Scientific and Engineering Computing (SCEC-1) Session chair: Prof. Govindan Rangarajan, IISc (Venue : PG 301)	Mathematical Modeling and Scientific Computing (MMSC-1) Session chair: Dr.A.Umamaheswari, UM (Venue : Conference Hall)
1:00PM -- 2:00PM	Lunch		
2:00PM -- 2:45PM	Plenary Talk (Professor. S. Sundar, IIT Madras)		
	Parallel Technical Sessions		
2:45PM -- 4:00PM	Pervasive Computing and Applications (PCA-1) Session chair: Dr K. P. Ray, SAMEER (Venue : Multimedia Hall)	Performance Evaluation and Measurement (PEM-1) Session chair: Professor. S. Sundar, IIT (Venue : PG 302)	Mathematical Modeling and Scientific Computing (MMSC-2) Session chair: Dr.Manoj Kumar, JIT (Venue : Conference Hall)
4:00:--4:45 PM	Valedictory Function		

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)
(9—11 August 2012, Kochi, India.)**<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

AIKC-1: Artificial Intelligence and Knowledge Computing

ACC_8: R. K. Bajaj, Tanuj Kumar and Nitin Gupta. 'NTV' Metric based New Similarity Measure for Intuitionistic Fuzzy Sets with its Computational Application in Medical Diagnosis

ACC_3: Tanuj Kumar, Nitin Gupta and R. K. Bajaj. Fuzzy Entropy on Restricted Fuzzy Linear Regression Model with Cross Validation and Applications

ACC_9: R. K. Bajaj and Nitin Gupta. Utility and Fuzziness Aspects of the Information Measures in Experimental Observations and Computations

ACC_200: Sonia Sunny, David Peter S and K Poulouse Jacob. Feature Extraction Methods based on Linear Predictive Coding and Wavelet Packet Decomposition for Recognizing Spoken Words in Malayalam

ECO_37: Jeeva Susan Jacob and Preetha K.G. Enabling Location Privacy in Pervasive Computing by Fragmenting Location information of Users

ACCW_4: Madhury Mohandas, Jincy J Fernandez : A Comparison Of Various Implementations Of MapReduce

ACCW_7: Jisha S Manjaly, Shimmi Asokan: Sentiment Mining: A Twitter based approach

AIKC-2: Artificial Intelligence and Knowledge Computing

ACC_60: Rekha Lakshmanan and Vinu Thomas. Enhancement of microcalcification features using morphology and contourlet transform

ACC_168: Neeraj Gandotra R. K. Bajaj and Nitin Gupta. Vendor Selection under Intuitionistic Trapezoidal Fuzzy Multiple Criteria Decision Making Model with Entropy Weights

ACC_188: Komathy Karuppanan Abinaya Sree Vairasundaram and Manjula Sigamani. COPD Prognosis under Biologically Inspired Neural Network

ACC_34: Neethu Mohandas Janardhanan P S and Govindaru V. Domain Specific Sentence Level Mood Extraction from Malayalam Text

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)

9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org/><http://www.iceccs.in/>

ACCW_18: Lubna K, Robin Cyriac: Firewall Policy Anomaly Representation Techniques

MACS-1: Modeling & Analysis of Communications Systems

ACC_1: *Diya Thomas and Anna Alphy.* Location Dependent Query Processing in Mobile Environment

ACC_115: Sujeethnanda Meruva, Padmalaya Nayak and Rama Murthy Garimella, A Novel approach to an Energy aware Routing protocol for Mobile WSN for QoS provision

ACC_226: Kannaiya Raja Arul Anandham and Raja Rajeswari., Two – Level Packet Inspection Using Sequential Differentiate Method

ACCW_13: Eliza Gail Maxwell, Mintu Philip, Throughput Analysis of the Frequency Hopping Security technique against Malicious Node Attacks in Wireless Sensor Networks

MACS-2: Modeling & Analysis of Communications Systems

ACC_164: Rajesh Kumar and Uttam Kumar., A Hierarchical cluster framework for wireless sensor network

ACC_170: Sreedevi T.R and Mary Priya Sebastian., A Classification of the Debugging Techniques of Wireless Sensor Networks

ACC_199: Sikha O.K Anand R Pinchu Prabha Sukanya P and Suchitra M. Visualization of OFDM using Microsoft Excel Spreadsheet in Linear Algebra Perspective

ACCW_19: Sabarinath G., Paul Ansel, Babita R Jose, Performance Analysis of Feedback Architecture and Input Feed Forward Architecture in Non-Ideal Low Pass Sigma Delta Modulators

SPAM-1: Signal Processing Architectures and Models

ACC_49: Fema Jacob. Recording of time varying data on a display device: An embedded solution

ACC_62: Indukala P K and Lakshmi K Implementation of I1 Magic and One bit Compressed Sensing based on Linear Programming Using Excel

ACC_81: Pinchu Prabha, SikhA O. K. Suchithra M and Sukanya P Computation Of Continuous Wavelet Transform Using Microsoft Excel SpreadSheet

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)
(9—11 August 2012, Kochi, India.)**<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

SPAM-2: Signal Processing Architectures and Models

ACC_92: Shajina T and P BagavathiSivakumar. Human Gait Recognition And Classification Using Time Series Shapelets

ACC_145: NivithaVarghees V, rolantGini, M SabarimalaiManikandan and K P Soman. A New Framework to Automatically Select Noise Model for Rician Noise Estimation in MR Images

ACC_182: Marypriya Sebastian Sheena Kurian K and G Santhosh Kumar. Extension schemes for the Alignment Model of English-Malayalam Statistical Machine Translator

SPAM-3: Signal Processing Architectures and Models

ACC_195: BijoyBabuShesharaman N. Kanakapura and Harish M. Kittur. Power Optimized Digital Decimation Filter for Medical Applications

ACC_223: AswathyMadhu, Jayasree V.K. and Vinu Thomas. Automatic Epileptic Seizure Detection in EEGs using Time-Frequency Analysis and Probabilistic Neural Network

ACC_37: Anusha K S Mathew T Mathews and Subha D P. Classification of Normal and Epileptic EEG Signal using Time & Frequency Domain Features Through Artificial Neural Network

UICC-1 : Ubiquitous Intelligence and Cyber-Physical Computing

ACC_147: NiteshNaik, John Veigas and K Chandrasekaran. IT Service Provisioning by Passing Hints in Module Interfaces

ACC_161: Thirumaran M Dhavachelvan P and Naga VenkataKiran G. Finite State Machine based Business Logic Model for Web Services Change Management

ACC_187: Preetha K G Saritha S. and ShimmiAsokan. Enhanced Performance of Engineering Students through REA- A Comparative Analysis

ACC_25: RashmiSharma andNitinTask Migration with EDF-RM Scheduling Algorithms in Distributed System

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)**

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

ACCW_9: Jisha S., Diya Thomas: A Categorized Survey Report on Buffer Overflow Countermeasures

ACCW_14: Annu Anna Lal, Anna Alphy: A Variant Architecture Design for Intelligent Medical Search Engine (Imed)

IPIR-1: Image Processing and Information Retrieval

ACC_26: Lijiya A Sangeetha M K and Govindan V K. Segmentation and Classification of M-FISH Human Chromosome Images

ACC_129: G Kavya and V Thulasibai. Parabolic Filter For Removal Of Powerline Interference In ECG Signal Using Periodogram Estimation Technique

ACC_204: Shanavaz K.T. and Mythili P. Evolution of Better Wavelet Coefficients for Fingerprint Image Compression using cropped images

ACC_128: Binoshi Samuvel, Vinu Thomas, Mini M.G. and Renjith Kumar J. A Mask Based Segmentation Algorithm for Automatic Measurement of Cobb Angle from Scoliosis X-Ray Image.

ACCW_10: Kavitha Karun.A, Elizabeth Isaac A Survey on k-means Clustering Algorithm and its Variants

ACCW_11: Sarith Divakar M, K S Mathew: UDDI Rated Web Services

IPIR-2: Image Processing and Information Retrieval

ACC_130: Manna Elizabeth Philip and G. Santhosh Kumar. An Improved Color Video Super-Resolution Using Kernel Regression and Fuzzy Enhancement

ACC_148: K. Syama, Nikitha George, Swathy Sekhar, C. S. Neethu, K. P. Soman and M Sabarimalai Manikandan. Performance Study of Active Contour Model Based Character Segmentation with Nonlinear Diffusion

ACC_149: Sinith M.S., Soorej G. Kamal, Nisha B., Nayana S., Kiran Surendran and Jith P.S. Hand gesture recognition using Support Vector Machine

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)

9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org/><http://www.iceccs.in/>

ACC_56: P S Arya Devi and M G Mini. Compression of CR Images using Linear Prediction on Wavelet Coefficients

ACCW_5: Jilu George, Babita Roslind Jose : A Review on Medical Image Registration and Transformation Techniques

ACCW_8: Shamna P, Paul Augustine A Survey on Various PCA Techniques for Face Recognition

VLSIS-1: VLSI Systems and Applications

ACC_47: Nitha M. Biju and Aswathy M. DG-JFET for Low Power Applications and Behavior of it as a MOS Capacitor

ACC_48: Aswathy M and Nitha M. Biju. Simulation Studies of a Tunnel Field Effect Transistor (TFET)

ACC_93: Debjani Basu Dipak K Kole and Hafizur Rahaman Implementation of AES Algorithm in UART Module for Secured Data Transfer

ACC_111: Parthibhan Natarajan Ravi Siddhan and Kittur Harish Mallikarjun Clock Skew Optimization in Pre and Post CTS

ECO_XX: Mahalingam P.R and Shimmi Asokan. Adapting barrel shifter at compilation level for efficient implementation of multiplications

VLSIS-2: VLSI Systems and Applications

ACC_115: Uma Ramadass.. Performance of Full Adder with Skewed Logic

ACC_122: Oyshee Brotee Sahoo Dipak K Kole and Hafizur Rahaman. An Optimized S-Box for Advanced Encryption Standard (AES) Design

ACC_131: S Sivanantham Jincy P Manuel Sarathkumar K Mallick P S and Raja Paul Perinbam J Reduction of Test Power and Test Data Volume by Power Aware Compression Scheme

ACC_232: Sudip Ghosh, Somsubhra Talapatra, Debasish Mondal, Navonil Chatterjee, Hafizur Rahaman and Santi P. Maity. VLSI Architecture for Spread Spectrum Image Watermarking using Binary Watermark

RIS -1: Reliability and Information Security

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)**

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

ACC_179: Ashish Joshi Sonu Kumar and Rayan Goudar. A more Multifactor Secure Authentication Scheme based on graphical authentication

ACC_189: Krishna C.J. and Vijayagovindan C. Key Transfer Protocol Based On Secret Sharing Using Initiator

ACC_193: Komathy Karuppanan Aparnameena K Radhika K and Suchitra R. Privacy Adaptation for Secured Associations in a Social Cloud

ACC_79: Ved Prakash Bhardwaj and Nitin. A New Fault Tolerant Routing Algorithm for IASEN-2

ACC_9: Nitin Gupta Neeraj Gandotra and R.K. Bajaj. Reliability Properties of Series and Parallel Systems under Equilibrium Distribution

RIS -2: Reliability and Information Security

ACC_22: Sreedhanya A.V. and Soman K.P. Secrecy of Cryptography with Compressed Sensing

ACC_90: Ferdous Barbhuiya Sukumar Nandi Ajeet Singh and Swapnil Potey. A scalable and Secure Key Distribution Mechanism for Multicast Networks

ACC_45: Nitin and Durg Singh Chauhan. A New Fault-Tolerant Routing Algorithm for IMABN-2

ACC_88: Tanuj Kumar Nitin Gupta and R. K. Bajaj. Reliability Evaluation of Series and Parallel Systems using Trapezoidal Intuitionistic Fuzzy Sets

SEC-1: Scientific and Engineering Computing

ACC_10: Florian Schatz Lars Wienbrandt and Manfred Schimmler. Probability model for boundaries of short-read sequencing

ACC_117: Seena Mary Augusty and Sminulzudheen. Evaluation and Improving Hypergraph based Learning Algorithm over Data Integration Problem for Cancer related Genes

ACC_172: Satarudra Prakash Singh and Bhartendu Nath Mishra. Prediction model of MHC Class-II binding peptide motifs using sequence weighting method for vaccine design

ACC_11: Varun Kumar Ojha Paramartha Dutta Hiranmay Saha and Sugato Ghosh. A Novel Neuro Simulated Annealing Algorithm for Detecting Proportion of Component Gases in Manhole Gas Mixture

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)
(9—11 August 2012, Kochi, India.)**<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

PEM-1: *Performance Evaluation and Measurement*

ACC_213: Mohammad H. Al Shayeji and M.D. Samrajesh. An Energy-aware Virtual Machine Migration algorithm

ACC_197: Avik Kumar Saha and S Sridhar. In-situ Cross Calibration of In-Core Thermocouples in Fast Breeder Test Reactor

ACC_31: Akin Cellatoglu and Balasubramanian KARUPPANAN. Improving the Performance Characteristics of PWLL

ACC_44: Shiv Shankar Prasad Shukla and Nitin. Detecting the Flames on the Real Time Status through Flame Detector

ACC_98: Anand R Hariharan V Gintu Xavier Neethu Prasanna Rakesh Peter and Soman K.P. Gnu Radio Based Control System

AWMT-1: *Advances in Wireless and Microwave Technology*

ACC_38: Amit Deshmukh, Mansi M, Amrita Aurora and Kamala Prasan Ray. Broadband Proximity fed Equilateral Triangular Microstrip Antenna

ACC_171: Sumy Mathew, M. T. Sebastian and Pezholi Mohanan. A low profile, high permittivity cylindrical dielectric resonator antenna for microwave communication

ACC_165: K. P. Ray and S.S. Thakur. Printed Annular Ring with Circular Patch Monopole UWB Antenna

ACC_166: Anju P Mathews, Lindo A O, Krishna D D, Aanandan C K and Young P R. Novel millimeter-wave antenna array using Half Mode Substrate Integrated Waveguide (HMSIW)

ACC_205: Paulbert Thomas, Dinesh R., Deepti Das Krishna and Aanandan C. K. Compact CPW fed Band-notched Antenna for Portable UWB Applications

ACC_39: Amit Deshmukh, Ankit G, Harsh C, Rahil S, Sneha S and Kamala Prasan Ray. Analysis of Stub Loaded Circular Microstrip Antennas

EESA-1: *Energy Efficient Software System and Applications*

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)**

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org/><http://www.iceccs.in/>

ECO_61: Mahalingam P.R and Shimmi Asokan Energy-aware mobile application development by optimizing GCC for the ARM Architecture

ECO_69: D.C.Kiran, S Gurunarayanan, Faizan Khaliq and Abhijeet Nawal Compiler Efficient And Power Aware Instruction Level Parallelism for Multicore Architecture

ECO_98: Rohit Rathore, Rayan Goudar, Sreenivasa Rao, Priyamvada Singh and Rashmi Chauhan MotherOnt: A Global Grid Environment for Interconnecting the Ontologies Semantically to Enable the Effective Semantic Search

ECO_38: Vinu K. Narayanan, Rishad A. Shafik Fault Tolerant High Performance Galios Field Arithmetic Processor

ACCW_6: Anuradha.P.V, Dr.Babita Roslind Jose, Diagnostic Expert System Model based on Fuzzy Logic

WCS-1: Wireless Communication Systems

ECO_121A: Prasenjit Chanak, Indrajit Banerjee, Tuhina Samanta and Hafizur Rahaman FFMS: Fuzzy Based Fault Management Scheme in Wireless Sensor Networks

ECO_88: Rakhee, P. Sai Phaneendra and M.B. Srinivas Evaluation of WSN Protocols on a Novel PSoC-Based Sensor Network

ECO_133: Jis Mary Jacob, Anita John Improving Lifetime of Structured Deployed Wireless Sensor Network using Sleepy Algorithm

ECO_113: Jaison Jacob, Babita R. Jose Cellular Automata Approach for Spectrum Sensing in Energy Efficient Sensor Network Aided Cognitive Radio

ACCW_15: Sheenu Toms, Deepa John Evaluation of COPE and DCAR in Wireless Network

ACCW_17: Christy Thomas, Dhanya S Pankaj: A Comparison of Various Countermeasures for Gray hole Attack in Wireless Mesh Network

GET-1: Green Energy Technologies

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)**

9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org/><http://www.iceccs.in/>

ECO_78: Subhadeep Bhattacharjee and Anindita Dey Economic Analysis of a Biomass/PV/Diesel Autonomous Power Plant

ECO_41: K G Remya, Chikku Abraham and Babitha R. Jose A Slope Compensated Current Mode Controlled Boost Converter

ECO_52: Diana Olivia, Ramakrishna M and Divya S Minimizing Energy of Scalable Distributed Least Squares Localization

ECO_71: J.P. Anita and P. T. Vanathi Multiple Fault Diagnosis and Test Power Reduction using Genetic Algorithms

ECO_73: Kavitha Madhavan and Sundarapandian Vaidyanathan A Novel Design of Reduced Order Controllers Using Exponential Observers for Large-Scale Linear Discrete-Time Control Systems

ECO_92: Shari Jahan C.S and N. Kayalvizhi Adiabatic Technique for Designing Energy Efficient Logic Circuits

ACCW_12: Tintu Devasia, Gopika S: Performance Comparison of Energy Efficient Hierarchical Routing Protocols in WSN

ISP-1: *Image and Signal Processing*

ECO_2: Nidhin Prabhakar T V, Hemanth V K, Sachin Kumar S, K.P Soman and Arun Soman Comparative Study of Recent Compressed Sensing Methodologies in Astronomical Images

ECO_104: Shashidhar G. Koolagudi, Kritika Sharma and K. Sreenivasa Rao Speaker Recognition in Emotional Environment

ECO_13: B. Ramamurthy, K.R. Chandran, VR. Meenakshi and V. Shilpa CBMIR: Content Based Medical Image Retrieval System Using Texture and Intensity for Dental Images

ECO_107: Arpit Jain, Musheer Ahmad and Vipul Khare A Ridgelet Based Symmetric Multiple Image Encryption in Wavelet Domain using Chaotic Key Image

ECO_236: K. Sakthisudhan, G. Deepa Prabha, A.L. Karthika, P. Thangaraj, C. Mari Muthu Comparative Analysis of Video Streaming Services in H.323 Application layered protocol coexisting of WLAN with Wireless Broadband Standard networks

**Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)**

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

ECO_65: Anjan Gudigar, B.N. Jagadale, Mahesh.P.K and Raghavendra.U Kernel based Automatic Traffic Sign Detection and Recognition using SVM

ISP-2: Image and Signal Processing

ECO_72: Hepzibah A. Christinal, Daniel Diaz-Pernil, Pedro Real Jurado and S. Easter Selvan Color Segmentation Of 2D Images With Thresholding

ECO_131: Shashidhar G. Koolagudi, Sujata Negi Thakur, Anurag Barthwal, Manoj Kumar Singh, Ramesh Rawat and K. Sreenivasa Rao Vowel Recognition from Telephonic Speech using MFCCs and Gaussian Mixture Models

ECO_87: Chinmay Maiti and Bibhas Chandra Dhara A Robust Binary Watermarking Scheme using BTC-PF Technique

ECO_116: Radhika Vadhi, Veeraswamy Kilari and Srinivaskumar Samayamantula Uniform Based Approach for Image Fusion

ECO_122: Ravikant Verma and Rajesh Siddavatam A Fast Image Reconstruction Algorithm using Adaptive R-Tree Segmentation and B-Splines

ECO_: Ayan Chaudhury and Ujjwal Bhattacharya *Efficient segmentation of characters in printed Bengali texts*

BIET-1: Bioinformatics and Emerging Technologies

ECO_106: Aswathi B.L, Baharak Goli, Renganayaki Govindarajan and Achuthsankar S. Nair A Novel algorithm for Hub protein identification in Prokaryotic proteome using Di-peptide composition and Hydrophobicity ratio

ECO_83: Suresh Rasappan and Sundarapandian Vaidyanathan Synchronization of Hyperchaotic Liu System via Backstepping Control with Recursive Feedback

ECO_108: Baharak Goli, Aswathi B.L, Chinu Joy and Achuthsankar S. Nair New Feature Vector for Recognition of Short Microbial Genes

ACCW_2: Shrishail S. Kattimani, S.D. Agashe, Basic Process Calculations and Simulation of dispersed Phase of Material in Drying

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org>/<http://www.iceccs.in/>

SRS-1: Secure and Reliable Systems

ECO_50: Divya James and Mintu Philip A Novel Security Architecture for Biometric Templates using Visual Cryptography and Chaotic Image Encryption

ECO_45: Nitin and Durg Singh Chauhan A New Fault-tolerant Routing Algorithm for MALN-2

ECO_99: C. Nelson Kennedy Babu, M. Rajendiran, B. Syed Ibrahim and R. Pratheesh Multilanguage Block Ciphering Using 3D Array

ECO_109: J.K. Mandal, Debashis Das A Novel Invisible Watermarking based on Cascaded PVD integrated LSB Technique

ECO_121: P. Rajesh, G. Narasimha, Ch. Rupa Privacy Preserving Technique in Data Mining by Using Chinese Remainder Theorem

MMSC-1: Mathematical Modeling and Scientific Computing

ECO_118: S. Bhattacharyya and Partha P. Gopmandal Numerical study on separation of analytes through isotachophoresis

ECO_75: Monnanda Erappa Shobha and Santhosh George Finite Dimensional Realization of a Gauss-Newton Method for ill-posed Hammerstein type operator equations

ECO_76: Suresan Pareth and Santhosh George Projection Scheme for Newton-type Iterative Method for Lavrentiev Regularization

ECO_27: A. Uma Maheswari and S. Krishnaveni Fuzziness on the Root System of Finite Type of Kac-Moody algebras E_6 , E_7 and E_8

ECO_93: K. Asokan and K. Satheesh Kumar Modelling the wind speed oscillation dynamics

MMSC-2: Mathematical Modeling and Scientific Computing

ECO_96: Nageswara Rao Narni, Gerald Warnecke, Jitendra Kumar, Mirko Peglow and Stefan Heinrich

Some modelling aspects of aggregation kernels and the aggregation population balance equations

Yasmeen and Soumen Maity Mixed Covering Arrays on Hypergraphs

Second International Conference on Advances in
Computing and Communications (ICACC-
2012)/International Conference on Eco-friendly Computing and
Communication Systems (ICECCS)
9-11 August 2012, (ICECCS 2012)

(9—11 August 2012, Kochi, India.)<http://www.acc-rajagiri.org/><http://www.iceccs.in/>

ECO_26: *A.UmaMaheswari and V.Gayathri Fuzzy properties on Finite Type of Kac-Moody Algebras*

PCA: Pervasive Computing and Applications

ECO_35A: *Rakesh Kumar Bajaj, Tanuj Kumar and Nitin Gupta R-norm Intuitionistic Fuzzy Information Measures and its Computational Applications*

ECO_79: *SubhadeepBhattacharjee and BhaswatiMedhi Soft Computing Techniques for Distillation Column Composition Control*

ECO_112: *J.K. Mandal, AnirbanChakraborty and Arun Kumar Chakrabarti A GIS Based approach of Clustering for new Facility Areas in a digitized map*

ECO_3: *Abdul Jabbar and SaralaSubramani Enhanced Rule Accuracy Algorithm for Validating Software Metrics*

ECO_100: *RohitRathore, RashmiChauhan, RayanGoudar and SreenivasaRao Ontology Based Retrieval for Medical Images using Low Level Feature Extraction,*

ECO_121A: *RashmiChauhan, RayanGoudar, RohitRathore, Priyamvada Singh and SreenivasaRao Ontology Based Automatic Query Expansion for Semantic Information Retrieval in Sports Domain*