

Program Schedule

Day 1: Thursday, December 18, 2014

8:00 am to 9:00 am	Registration
9:00 am to 9:15 am	Welcome
9:15 am to 10:30 am	Keynote: Fuzzy Relational Calculus on Energy Options?- Towards Decision Making under Risk and Uncertainty by Professor Ashok Deshpande PhD , <i>Founding Chair: Berkeley Initiative in Soft Computing (BISC) - UC Berkeley CA.</i>
10:30 am to 10:45 am	Tea Break
10:45 am to 12:45 pm	Tutorial: Implementing Your Own Cloud Computing Environment using Open source tools by <i>Team from Centre for Development of Advanced Computing (C-DAC, Chennai).</i> @ Hall 1
12:45 pm to 1:45 pm	Lunch
2:00 pm to 3:30 pm	Tutorial: Implementing Your Own Cloud Computing Environment using Open source tools [Contd..] by <i>Team from Centre for Development of Advanced Computing (C-DAC, Chennai).</i> @ Hall 1
3:30 pm to 3:45 pm	Tea Break
3:45 pm to 5:45 pm	Parallel Tutorial 1: Big Data and Hadoop Eco System by Saju K.K. , <i>IT Consultant, Bangalore.</i> @ Hall 1 Parallel Tutorial 3: Green Cloud Simulator by <i>Research Team at NITK.</i> @ Hall 2 Parallel Tutorial 2: Energy Efficiency in Internet of Things (IoT) by <i>Research Team at NITK.</i> @ Hall 3
6:00 pm to 06:30 pm	High Tea

Day 2: Friday, December 19, 2014

8:00 am to 9:00 am	Registration
9:00 am to 9:45 am	Inaugural Function
9:45 am to 10.15 am	Tea Break
10:15 am to 11:15 am	Keynote: Speckled Computing by Prof. D.K. Arvind , <i>University of Edinburg, UK.</i>
11:15 am to 12:15 pm	Keynote: Green Building Energy Analytics by Dr. Nirmalya Roy , <i>Univ. of Maryland Baltimore County, USA.</i>
12:15 pm to 1:30 pm	Paper Session 1 [Parallel]
Session	Energy Efficiency - I
Venue	Hall 1
12:15 pm to 12:30 pm PID: 140	Green Wireless Access Virtualization Implementation: Cost vs. QoS Trade-offs <i>M.M. Rahman, Charles Despins, and Sofiène Affes</i>
12:30 pm to 12:45 pm PID: 066	Reinforcement Learning Based Service Provisioning for a Greener Cloud <i>Vaishnavi Ravi and H. Shahul Hameed</i>
12:45 pm to 01:00 pm PID: 008	A Robust and Energy Efficient Dynamic ID Based Remote User Authentication Scheme for Multi-server Environment <i>Mrudula Sarvabhatla, Giri Murugan, and Chandra Sekhar Vorugunti</i>
01:00 pm to 01:15 pm PID: 052	Software Based DFS Technique for Parallel Applications to Conserve the Power <i>C.R. Chaitra, H.A. Sanjay, and N. Preetham</i>
01:15 pm to 01:30 pm PID: 125	A Novel Energy-Efficient Sybil Node Detection Algorithm for Intrusion Detection System in Wireless Sensor Networks <i>A. Babu Karuppiah, J. Dalfiah, K. Yuvashri, S. Rajaram, and Al-Sakib Khan Pathan</i>

12:15 pm to 1:30 pm	Paper Session 2	[Parallel]
Session	Computer Security - I	
Venue	Hall 2	
12:15 pm to 12:30 pm PID: 130	A Replay Attack Resilient System for PKI Based Authentication in Challenge-Response Mode for Online Application <i>Sumit Goswami, Sudip Misra, and <u>Mukesh Mukesh</u></i>	
12:30 pm to 12:45 pm PID: 150	SSENet-2014 Dataset: A Dataset for Detection of Multiconnection Attacks <i><u>Sangeeta Bhattacharya</u> and S. Selvakumar</i>	
12:45 pm to 01:00 pm PID: 120	A Combined Architecture for RBAC and DAC for Inter-cloud Communication <i>B. Balamurugan, <u>E. Durga Chowdary</u>, and S. Linkesh</i>	
01:00 pm to 01:15 pm PID: 020	Video Encryption for Secure Multimedia Transmission - A Layered Approach <i>T. Pradeep Pai, <u>M.E. Raghu</u>, and K.C. Ravishankar</i>	
01:15 pm to 01:30 pm PID: 002	Trust Establishment in Mobile Ad Hoc Networks <i><u>Geethu Krishna Kartha</u> and E.A. Neeba</i>	
12:15 pm to 1:30 pm	Paper Session 3	[Parallel]
Session	Cloud Computing	
Venue	Hall 3	
12:15 pm to 12:30 pm PID: 084	A Survey on Process Algebraic Stochastic Modelling of Large Distributed Systems for Its Performance Analysis <i>Manish Gaur and <u>Rama Kant</u></i>	
12:30 pm to 12:45 pm PID: 138	A Prototype Implementation of Log Acquisition in Private Cloud Environment <i><u>Anand Kumar Mishra</u>, Emmanuel S. Pilli, and M.C. Govil</i>	
12:45 pm to 01:00 pm PID: 151	WSRM: A Relational Model for Web Service Discovery in Enterprise Cloud Bus (ECB) <i><u>Gitosree Khan</u>, Sabnam Sengupta, and Anirban Sarkar</i>	
01:00 pm to 01:15 pm PID: 017	The Network Model to Prevent the Mobile Malware in the Distributed Environment <i><u>N. Sundareswaran</u> and P. Vinoth</i>	
01:15 pm to 01:30 pm PID: 152	DNS Security: Need and Role in the Context of Cloud Computing <i><u>C. Aishwarya</u>, M.S. Sannidhan, and Balaji Rajendran</i>	

1:15 pm to 2:00 pm	Lunch
2:00 pm to 3:00 pm	Keynote: Cloud and Big Data Analytics by Dr. Chidambaram Kollengode , <i>Nokia – Microsoft, Bangalore.</i>
3:00 pm to 4:00 pm	Keynote: Smart Grids and Green Mobile Computing: Two Frontiers of Eco-friendly Computing and Communications by Dr. Vinod Namboodiri , <i>Wichita State University, USA.</i>
4:00 pm to 4:15 pm	Tea Break
4:15 pm to 5:30 pm	Paper Session 4 [Parallel]
Session	Computer Networks
Venue	Hall 1
4:15 pm to 4:30 pm PID: 073	MANET Routing in Dual RF Scenario <i>Neeraj Pandey, Rishabh Sood, Shantanu Gussain, Kumar Murugesan, Vinodh Upparapalli, and Manuja Sunilkumar Sapre</i>
4:30 pm to 4:45 pm PID: 042	Resource Optimization Using Software Defined Networking for Smart Grid Wireless Sensor Network <i>Ruby Sayyed, Sudeshna Kundu, Chirag Warty, and Shikha Nema</i>
4:45 pm to 5:00 pm PID: 075	An Algorithmic Perspective of Base Station Switching in Dense Cellular Networks <i>Meenaxi M. Raikar, Preeti Doddagoudar, and Meena S. Maralapannavar</i>
5:00 pm to 5:15 pm PID: 131	Future Collaboration Prediction in Co-authorship Network <i>N. Roopashree and V. Umadevi</i>
5:15 pm to 5:30 pm PID: 164	Real Time Computation of Optimal Signal Timing to Maximize Vehicular Throughput for a Traffic Junction <i>Rajendra S. Parmar and Bhushan Trivedi</i>
4:15 pm to 5:30 pm	Paper Session 5 [Parallel]
Session	Electronics and Communication Engineering - I
Venue	Hall 2
4:15 pm to 4:30 pm PID: 149	Low Complexity SLM-PTS Method for Reduction of PAPR in OFDM Systems <i>Seshanna Katam and P. Muthuchidambaranathan</i>
4:30 pm to 4:45 pm PID: 134	PAPR Reduction Using Constant Modulus Algorithm and IDCT in MIMO-OFDM Networks <i>S. Sujatha and P. Dananjayan</i>

4:45 pm to 5:00 pm PID: 081	A Neuro-C4.5 Paradigm for Audio Steganogram Detection Based on Asymmetric Cost of False Errors <i>S. Geetha and S. Muthuramalingam</i>
5:00 pm to 5:15 pm PID: 093	Designing of Area and Power Efficient Modulo 2N Multiplier <i>R.V. Shalini and P. Sampath</i>
5:15 pm to 5:30 pm PID: 059	Inter-carrier Interference Cancellation Technique for Single Carrier OFDM Communication System <i>P.M. Deepak and C.K. Ali</i>
4:15 pm to 5:30 pm	Paper Session 6 [Parallel]
Session	Miscellaneous and Mechanical Engineering
Venue	Hall 3
4:15 pm to 4:30 pm PID: 037	Minkowski Metric for GARCH (1,1) <i>Kabin Kanjamapornkul, Boonserm Kijsirikul, and Jimson Mathew</i>
4:30 pm to 4:45 pm PID: 132	Reliability of Qualitative Data Using Text Analysis - A Queensland Health Case Study <i>Raj Gururajan, Kevin Clark, Susan Moller, Sankaran, and Abdul Hafeez Baig</i>
4:45 pm to 5:00 pm PID: 029	An Algorithm to Reduce the Number of Graphs to Be Handled in the Test for Isomorphism among Planetary Gear Trains <i>Y.V. Daseswara Rao, K. Sai Manish, V.R. Shanmukhasundaram, and S.P. Regalla</i>
5:00 pm to 5:15 pm PID: 121	Design and Development of Sustainable Weed Cutter <i>R. Pramod, M. Datta Sandesh, M. Sandeep Jayaram, and Kottakota Kalasagarreddi</i>
5:15 pm to 5:30 pm PID: 024	Synthesis and Analysis of Planetary Gear Trains Using Genetic Algorithm <i>Taufeeq Rahmani and Y.V.D. Rao</i>
7:00 pm to 9:00 pm	Get together for Dinner

Day 3: Saturday, December 20, 2014

8:00 am to 9:00 am	Registration
9:00 am to 10:00 am	Keynote: Magic of Wireless Sensor Networks by Dr. Dharma P. Agrawal , <i>University of Cincinnati, Ohio, USA.</i>
10:00 am to 11:00 am	Keynote: Low Power Design for Integrated Circuits and Systems by Dr. Zoran Stamenković , <i>IHP, GmbH, Frankfurt (Oder), Germany.</i>
11:00 am to 11.15 am	Tea Break
11:15 am to 12:30 pm	Paper Session 7 [Parallel]
Session	Energy Efficiency - II
Venue	Hall 1
11:15 am to 11:30 am PID: 141	Energy Efficient and Effective Control Strategy of HVAC System in Large Shopping Complex <i>Ashoke Mondal and <u>Shilpi Bhattacharya</u></i>
11:30 am to 11:45 am PID: 091	An Energy Efficient Temporal Credential Based Mutual Authentication Scheme for WSN <i>Mrudula Sarvabhatla, Lakshmi Narayana Kodavali, and Chandra Sekhar Vorugunti</i>
11: 45 am to 12:00 pm PID: 097	Game Theoretical Computation Based Energy Efficient Routing for Wireless Sensor Networks <i>K. Mohaideen Pitchai, B. Paramasivan, and <u>M. Bhuvaneshwari</u></i>
12: 00 pm to 12:15 pm PID: 102	Energy Efficient Routing Protocol for Wireless Sensor Networks - An Eco-Friendly Approach <i><u>N. Geetha</u>, A. Sankar, and P.B. Pankajavalli</i>
12:15 pm to 12:30 pm PID: 049	An Energy-Conserving Topology Maintenance Algorithm in Manets <i>S. Muthuramalingam, <u>V. Vignaraj Ananth</u>, and M. Sathish Kumar</i>

11:15 am to 12:30 pm	Paper Session 8	[Parallel]
Session	Computer Security - II	
Venue	Hall 2	
11:15 am to 11:30 am PID: 127	Secured Handover Key Management among LTE Entities Using Device Certification <i>B. Sridevi, <u>Divya Mohan</u>, and R. Neelaveni</i>	
11:30 am to 11:45 am PID: 114	Unified RB-DAC Approach with Secure Authentication Using Smart Card Architecture <i>B. Balamurugan, <u>S. Linkesh</u>, and E. Durga Chowdary</i>	
11: 45 am to 12:00 pm PID: 013	Proxy Based Model to Protect Cloud Infrastructure as Service (IaaS) Platforms from DDOS Attacks <i>B. Rajalaxmi Prabhu and Sandeep Kumar Hegde</i>	
12: 00 pm to 12:15 pm PID: 128	An Improved Clustering-Based Approach for Wormhole Attack Detection in MANET <i>J. Anju and C.N. Sminesh</i>	
12:15 pm to 12:30 pm PID: 046	Understanding Trust and Privacy of Big Data in Social Networks - A Brief Review <i>H. Shashi Rekha, Chetana Prakash, and G. Kavitha</i>	
11:15 am to 12:30 pm	Paper Session 9	[Parallel]
Session	General Computer Science	
Venue	Hall 3	
11:15 am to 11:30 am PID: 064	A Novel SRAM Cell Design Using Reversible Logic <i>S. Dinesh Kumar and S.K. Noor Mahammad</i>	
11:30 am to 11:45 am PID: 006	A New Approach to Directory Based Solution for Cache Coherence Problem <i>Shaily Mittal and Nitin</i>	
11: 45 am to 12:00 pm PID: 104	A Crowdsourcing Framework for Toll Plazas: Optimizing Delay at Toll Plazas <i>Usha Mahalingam and P. Leela Manju</i>	
12: 00 pm to 12:15 pm PID: 087	Personalisation of News Recommendation Using Genetic Algorithm <i>G. Sudha Sadhasivam, K.G. Saranya, and E.M. Praveen</i>	
12:15 pm to 12:30 pm PID: 112	On the Cache Behavior of SPLASH-2 Benchmarks on ARM and ALPHA Processors in Gem5 Full System Simulator <i>B. Vikas and Basavaraj Talawar</i>	
12:30 pm to 1:45 pm	Lunch	

1:45 pm to 2:45 pm	Keynote: High -Performance Big Data Analytics by Pethuru Raj Chelliah PhD , IBM India Pvt Ltd.
2:45 pm to 3:45 pm	Keynote: Green Computing by Prof. Dr. San Murugesan , BRITE Professional Services, Australia.
3:45 pm to 4:00 pm	Tea Break
4:00 pm to 5:00 pm	Paper Session 10 [Parallel]
Session	Software Engineering, Social Networking, and Web Services
Venue	Hall 1
4:00 pm to 4:15 pm PID: 146	A Sparsification Technique for Faster Hierarchical Community Detection in Social Networks <i>S. Karthick, S. Mercy Shalinie, Chidambaram Kollengode, and <u>S.R. Mukuntha Priya</u></i>
4:15 pm to 4:30 pm PID: 106	User Interface for Community Detection in Social Networks <i><u>Galaxy Jadar</u> and V. Umadevi</i>
4:30 pm to 4:45 pm PID: 085	Analyzing and Classifying User Search Histories for Web Search Engine Optimization <i><u>Archana Kurian</u> and M. Jayasree</i>
4:45pm to 5:00 pm PID: 060	A Survey of Storage Remote Replication Software <i><u>Anoop Kumar Pandey</u>, Amit Kumar, Nilesh Malviya, and Balaji Rajendran</i>
4:00 pm to 5:00 pm	Paper Session 11 [Parallel]
Session	Data Mining and Image Processing
Venue	Hall 2
4:00 pm to 4:15 pm PID: 110	A Roughset Based Data Labeling Method for Clustering Categorical Data <i><u>H. Venkateswara Reddy</u> and S. Viswanadha Raju</i>
4:15 pm to 4:30 pm PID: 070	Word Level Script and Language Identification for Unconstrained Handwritten Document Images <i><u>P.V. Prasanthkumar</u> and E.D. Dileesh</i>
4:30 pm to 4:45 pm PID: 101	Face Recognition Using Local Ternary Pattern and Booth's Algorithm <i><u>Abdullah Gubbi</u>, Mohammad Fazle Azeem, and Nishatbanu Z.H. Nayakwadi</i>
4:45 pm to 5:00 pm PID: 111	Complex Event Processing Based Remote Health Monitoring System <i><u>Ravi Pathak</u> and V. Vaidehi</i>

4:00 pm to 5:15 pm	Paper Session 12	[Parallel]
Session	Electronics and Communication, Electrical Engineering	
Venue	Hall 3	
4:00 pm to 4:15 pm PID: 036	Quantitative Validation of Poka-Yoke Approach for HQLS Using Regression Coefficient and Analysis of Variance <i>K.K. Baseer, A. Rama Mohan Reddy, and C. Shoba Bindu</i>	
4:15 pm to 4:30 pm PID: 118	Autonomous Monitoring and Attendance System Using Inertial Navigation System and GPRS in Predefined Locations <i>Sudheer Kumar Nagothu, Om Prakash Kumar, and G. Anitha</i>	
4:30 pm to 4:45 pm PID: 135	An OFDM Transmitter Implementation Using Cordic Based Partially Reconfigurable IFFT Module <i>K.A. Arun Kumar</i>	
4:45 pm to 5:00 pm PID: 011	Multi-attribute Decision Making Using Fuzzy Ranking and Time Varying DE for Optimal Dispatch of Micro Grid <i>Archana Pathak, Manjaree Pandit, and Y. Kumar</i>	
5:00 pm to 5:15 pm PID: 069	Particle Swarm Optimized Sliding Mode Controller for an AC-DC Boost Converter <i>P. Nayana Menon and R. Anasraj</i>	
5:15 pm to 6:00 pm	Panel Discussion @ Hall 1	
6:00 pm to 6:30 pm	High Tea	

Day 4: Sunday, December 21, 2014

9:00 am to 10:00 am	Keynote: TBA
10:00 am to 10:30 am	Tea Break
10:30 am to 12:30 pm	Workshop: Network Simulator 3 (ns-3) by Dr. Mohit P. Tahiliani / Wireless Information Networking Group (WiNG) , NITK Surathkal.
12:30 pm to 1:30 pm	Lunch
1:30 am to 3:00 pm	Workshop: Network Simulator 3 (ns-3) [Contd..] by Dr. Mohit P. Tahiliani / Wireless Information Networking Group (WiNG) , NITK Surathkal.
3:00 pm to 3:30 pm	Tea Break
3:30 pm to 4:30 pm	Valedictory Function and Certification Distribution

[End of Conference]