

# IC<sup>3</sup>I 2016 - Technical Programme

## Technical Programme — Day 1: 14 December 2016, Wednesday

08.00 onwards      Registration  
09.30 – 11.00      Inaugural Function

11.00 – 11.30      Tea/Coffee Break

11.30 – 01.30      Panel Discussion

01.30 – 02.30      Lunch

<b>Session 1.1</b>	<b>Intelligent Computing</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 02.30 – 04.00</b>	
<b>Venue</b>	<b>Room 101</b>	
<b>Chair(s)</b>	<b>Prof. Sanjeev Thakur / Prof. Neeraj Sharma</b>	

- 348      A Review of the Application of Data Mining Techniques for Decision Making in Agriculture  
**[Invited]**      *Niketa Gandhi and Leisa J. Armstrong*  
Presenter: Niketa Gandhi, *Department of Computer Science, University of Mumbai, India*
- 393      Fine Tuning the Parameters of Back Propagation Algorithm for Optimum Learning Performance  
**[Invited]**      *Viral Nagori*  
Presenter: Viral Nagori, *GLS University, India*
- 179      Autonomous Walking Stick For the Blind Using Echolocation And Image Processing  
*Akhilesh Krishnan*  
Presenter: Akhilesh Krishnan, *SRM Easwari Engineering College, India*
- 189      Modeling of Supervised ADALINE Neural Network Learning Technique  
*Vidyullatha Pellakuri*  
Presenter: Vidyullatha Pellakuri, *KL University Guntur, Andhra Pradesh, India*
- 213      A Self-Monitoring Online Sequential Learning Mechanism for Feedforward Neural Networks  
*Skanda S. Bharadwaj*  
Presenter: Skanda S. Bharadwaj, *PES Center for Intelligent Systems, PES University, India*
- 475      A Novel Approach to Peak Detection Using Sequential Learning Algorithm  
*Skanda S. Bharadwaj*  
Presenter: Skanda S. Bharadwaj, *PES Center for Intelligent Systems, PES University, India*

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<b>Session 1.2</b>	<b>Database System</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 02.30 – 04.00</b>	
<b>Venue</b>	<b>Room 102</b>	
<b>Chair(s)</b>	<b>Prof. S.K.Dubey / Prof. Priyanka Chawla</b>	

- 36 Educational Intelligence. Applying Cloud-based Big Data Analytics to the Indian Education Sector  
*Samiya Khan*  
Presenter: Samiya Khan, *Jamia Millia Islamia, New Delhi, India*
- 172 A Study on Prediction of Breast Cancer Recurrence Using Data Mining Techniques  
*Uma Ojha*  
Presenter: Uma Ojha, *Delhi University, India*
- 198 Rough-Set and Artificial Neural Networks based Image Classification  
*D. N. Vasundhara*  
Presenter: D. N. Vasundhara, *VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad India*
- 229 Rough Set based Feature Selection approach for Text Mining  
*N. Venkata Sailaja*  
Presenter: N. Venkata Sailaja, *Vignana Jyothi Institute of Engineering and Technology, Hyderabad, India*
- 302 A Novel Data Mining Approach for Brain Tumour Detection  
*B. V. Kiranmayee*  
Presenter: B. V. Kiranmayee, *VNRVJIET, India*

<b>Session 1.3</b>	<b>Software Engineering</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 02.30 – 04.00</b>	
<b>Venue</b>	<b>Room 103</b>	
<b>Chair(s)</b>	<b>Prof. Deepti Mehrotra / Prof. Nilesh Dokania</b>	

- 158 **[Invited]** Towards a Model for the Quality of Local Government Online Services  
*Filipe Sá, Joaquim Gonçalves and Álvaro Rocha*  
Presenter: Filipe Sá, *LIACC, Portugal*
- 202 Comparison of Back Propagation Training Algorithms for Software Defect Prediction  
*Ishani Arora*  
Presenter: Ishani Arora, *University School of Information and Communication Technology, Guru Gobind Singh Indraprastha University, India*
- 352 Code Clone Detection Based on Order and Content of Control Statements  
*M. Sudhamani*  
Presenter: M. Sudhamani, *University of Mysore, India*

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- 401 A Systematic Literature Review Protocol for Critical Factors in Agile Software Development Adoption for Large Scale Development Team from Management Perspectives  
*Sikandar Ali*  
Presenter: Sikandar Ali, *Qurtuba University, Pakistan*
- 421 Comparison of FOSS based Profiling Tools in Linux Operating System Environment  
*Tribid Debbarma*  
Presenter: Tribid Debbarma, *National Institute of Technology, Agartala, India*

<b>Session 1.4</b>	<b>Management Information System</b> [Parallel]
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 02.30 – 04.00</b>
<b>Venue</b>	<b>Room 104</b>
<b>Chair(s)</b>	<b>Prof. Archana Singh / Prof. Jaya Singh</b>

- 345 [Invited] Consumer Preferences of Information Search Channel and the Role of Information Technology  
*Gaurav Khatwani and Praveen Ranjan Srivastava*  
Presenter: Gaurav Khatwani, *Indian Institute of Management, Rohtak, India*
- 249 [Invited] Visualizing and Analyzing Dynamic Business Process using Petri Nets  
*Odunayo Fadahunsi and Mithileysh Sathiyarayanan*  
Presenter: Mithileysh Sathiyarayanan, *City, University of London, UK*
- 34 Collaborative Book Recommendation System using Trust based Social Network and Association Rule Mining  
*Anand Shanker Tewari*  
Presenter: Anand Shanker Tewari, *NIT Patna, India*
- 431 Lean Six Sigma Approach for Global Supply Chain Management using Industry 4.0 and IIoT  
*Athul Jayaram*  
Presenter: Athul Jayaram, *Amity University, Uttar Pradesh, India*
- 478 Efficient Tag based Personalised Collaborative Movie Recommendation System  
*Naina Yadav*  
Presenter: Naina Yadav, *NIT Patna, India*

<b>Session 1.5</b>	<b>Special Session 5. On Cloud Computing</b> [Parallel]
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 02.30 – 04.00</b>
<b>Venue</b>	<b>Room 105</b>
<b>Chair(s)</b>	<b>Prof. M.K.Shukla / Prof. Dr. Avadesh Kumar</b>

- 169 [Invited] Building Secure Healthcare Services Using OAuth 2.0 and JSON Web Token in IOT Cloud Scenari  
*Prajakta Solapurkar*  
Presenter: Prajakta Solapurkar, *Great Software Laboratory Pvt. Ltd, India*

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- 173 A Relative Study of Task Scheduling Algorithms in Cloud Computing Environment  
*Syed Arshad Ali*  
Presenter: Syed Arshad Ali, *Jamia Millia Islamia, New Delhi, India*
- 234 Openstack- Paradigm Shift to Open Source Cloud Computing & Its Integration  
*Shubham Awasthi*  
Presenter: Shubham Awasthi, *HCL Technologies, Sect. 126, Noida, India*
- 340 A Survey Paper on Security in Cloud Computing. A Bibliographic Analysis  
*Krutika Shah*  
Presenter: Krutika Shah, *Shri S'ad Vidya Mandel Institute of Technology, India*
- 369 Load Balancing in Cloud Computing. Challenges & Issues  
*Shalini Joshi*  
Presenter: Shalini Joshi, *Mody University of Science and Technology, India*

04.00 – 04.15 Tea/Coffee Break

<b>Session 2.1</b>	<b>Data Communication and Networking</b> [Parallel]
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 04.15 – 05.45</b>
<b>Venue</b>	<b>Room 101</b>
<b>Chair(s)</b>	<b>Prof. Vasudha Vashisht / Prof. Neeraj Sharma</b>

- 300 [Invited] Establishment of Network Coded Cooperative Communication for Clinical Healthcare Monitorin  
*R. Prakash and A. Balaji Ganesh*  
Presenter: R. Prakash, *Velammal Engineering College, India*
- 301 [Invited] Locate, Promote and Split. An Exponentially Fast Localization Algorithm for Wireless Sensor Networks  
*Ash Mohammad Abbas and Hamzah Ali AbdulRahman Qasem*  
Presenter: Ash Mohammad Abbas, *Zakir Hussain College of Engineering and Technology. Aligarh Muslim University, India*
- 347 Schemes of Pilot Pattern Design of Channel Estimation in Adaptive Cognitive MIMO-OFDM System. Review  
*Dinesh N. Bhange*  
Presenter: Dinesh N. Bhange, *Government Polytechnic, Arvi, India*
- 390 Cut Detection and Secure Routing in Wireless Sensor Networks  
*Pradnya Wagh*  
Presenter: Pradnya Wagh, *MIT Polytechnic College, Pune, India*
- 391 H-WSN with Maximized QoS using Secure Data Aggregation  
*Renuka Suryawanshi*  
Presenter: Renuka Suryawanshi, *MITCOE, Pune, India*

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<b>Session 2.2</b>	<b>Data Communication and Networking</b> <span style="float: right;"><b>[Parallel]</b></span>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 04.15 – 05.45</b>
<b>Venue</b>	<b>Room 102</b>
<b>Chair(s)</b>	<b>Prof. Ashwini Kr Dubey / Prof. Priyanka Chawla</b>

- 196 **[Invited]** Performance Improvement in Inter-satellite Optical Wireless Communication to Mitigate Losses Using Diversity Technique  
*Guddan Kumari and Chetan Selwal*  
 Presenter: Guddan Kumari, *Government Women Engineering College, Ajmer, India*
- 46 A Resource Management Framework for LTE-WLAN Networks in High-Speed Trains  
*Mukesh Taneja*  
 Presenter: Mukesh Taneja, *Cisco Systems, India*
- 161 Routing in WSN Network using Neural Network (NN) and SPEED Protocol  
*Manpreet Kaur*  
 Presenter: Manpreet Kaur, *Chandigarh Group of Colleges (Mohali), India*
- 212 Performance Evaluation Of Hybrid GAACO for Task Scheduling In Cloud Computing  
*Mandeep Kaur*  
 Presenter: Mandeep Kaur, *Amritsar College of Engineering and Technology, Amritsar, India*
- 384 Security Assessment of AODV Protocol under Wormhole and DOS Attacks  
*Megha Soni*  
 Presenter: Megha Soni, *MCTE, Mhow, India*

<b>Session 2.3</b>	<b>Miscellaneous</b> <span style="float: right;"><b>[Parallel]</b></span>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 04.15 – 05.45</b>
<b>Venue</b>	<b>Room 103</b>
<b>Chair(s)</b>	<b>Prof. Ravindra Singh / Prof. Nilesh Dokania</b>

- 386 Area Efficient BCD adder in Quantum dot Cellular Automata  
*V. Srujana*  
 Presenter: V. Srujana, *KITS, Singapuram, India*
- 454 Design of a High Gain 16 Element Array of Microstrip Patch Antennas for Millimeter Wave Applications  
*Beenish*  
 Presenter: Beenish, *ASET, Amity University Uttar Pradesh, India*
- 458 Big Data Classification with Quantum Multiclass SVM and Quantum One-Against-All Approach  
*Arit Kumar Bishwas*  
 Presenter: Arit Kumar Bishwas, *Amity University, India*

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- 472 Design of Electromagnetically- Coupled Microstrip Antennas using Neural Networks  
*Ruchi Varma*  
 Presenter: Ruchi Varma, *NIT Patna, India*
- 392 Modeling of a Compact Dual Band PIFA using Hybrid Neural Network  
*Ruchi Varma*  
 Presenter: Ruchi Varma, *N.I.T. Patna, India*

<b>Session 2.4</b>	<b>Security</b> <span style="float: right;">[Parallel]</span>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 04.15 – 05.45</b>
<b>Venue</b>	<b>Room 104</b>
<b>Chair(s)</b>	<b>Prof. Sanmukh Kaur / Prof. Jaya Singh</b>

- 310 Levelwise Filtration System for Forensic Analysis of Social Networking  
*B. B. Jayasingh*  
 Presenter: B. B. Jayasingh, *CVR College of Engineering, India*
- 373 Walsh Hadamard Transform and Cryptographic Properties in Stream Cipher  
*R. Girija*  
 Presenter: R. Girija, *The Northcap University, Gurgaon, India*
- 418 Security Issues and Challenges of Big Data Analytics and Visualization  
*Bipin Bihari Jayasingh*  
 Presenter: Bipin Bihari Jayasingh, *CVR College of Engg., Hyderabad, India*
- 487 A Comparative Study of Various Distributed Defense Mechanisms Against DDoS Attacks  
*Karanbir Singh*  
 Presenter: Karanbir Singh, *Baba Banda Singh Bahadur Engg. College, Fatehgarh Sahib, India*
- 500 An Approach to Selective Encryption on Compressed Image  
*Subhajit Roy*  
 Presenter: Subhajit Roy, *Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India*

<b>Session 2.5</b>	<b>Intelligent Computing</b> <span style="float: right;">[Parallel]</span>
<b>Date/Time</b>	<b>Wednesday, 14 December 2016 / 04.15 – 05.45</b>
<b>Venue</b>	<b>Room 105</b>
<b>Chair(s)</b>	<b>Prof. Seema Verma / Prof. Dr. Avadesh Kumar</b>

- 490 Thermal Effect Aware X-bit Filling Technique for Peak Temperature Reduction During VLSI Testing  
*Sanjoy Mitra*  
 Presenter: Sanjoy Mitra, *Assam University (A Central University), Silchar, India*

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- 494 Question Answering System for Factoid Based Question  
*Prakash Ranjan*  
Presenter: Prakash Ranjan, *International Institute of Information Technology, Bhubaneswar, India*
- 445 Big Data. A Review of Analytics Methods & Techniques  
*Yojna Arora*  
Presenter: Yojna Arora, *Gyan Vihar School of Engineering & Technology, Suresh Gyan Vihar University, Rajasthan, India*
- 498 Priority List method for Cost Optimization with Electric Vehicles and Renewable Energy Sources  
*Anjali Jain*  
Presenter: Anjali Jain, *Amity University, Uttar Pradesh, India*
- 224 Intelligence Analysis of Tay Twitter Bot  
*Vinayak Mathur*  
Presenter: Vinayak Mathur, *Manipal Institute of Technology, Manipal University, Karnataka, India*

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## Technical Programme — Day 2: 15 December 2016, Thursday

09.00 onwards	Registration
10.00 – 11.00	Keynote 1: Mr Vipul Kocher
11.00 – 12.00	Keynote 2: Dr. Jacek Mandziuk

12.00 – 12.15      Tea/Coffee Break

12.15 – 01.15      Keynote 3: Dr. Deepak Garg

01.15 – 02.15      Lunch

<b>Session 3.1</b>	<b>Intelligent Computing / Symposium 5</b> <span style="float: right;">[Parallel]</span>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 02.15 – 03.45</b>
<b>Venue</b>	<b>Room 101</b>
<b>Chair(s)</b>	<b>Prof. S.K.Sinha / Prof. Varun Malik</b>

- 87      A Methodology for Machine Translation of Simple Sentences from Kannada to English Language  
*Mallikarjun Kodabagi*  
Presenter: Mallikarjun Kodabagi, School of Computing & IT REVA University Bengaluru, India
- 167      Foundations to Frontiers of Big Data Analytics  
*Thingaran Perumal*  
Presenter: Thingaran Perumal, UPM, Malaysia
- 217      Prognosis of Diabetes using Fuzzy Inference System and Multilayer Perceptron  
*R. P. Ambilwade*  
Presenter: R. P. Ambilwade, National Defense Academy, Khadakwasla, Pune, India
- 232      A Comparison of Reinforcement Learning Based Approaches to Appliance Scheduling  
*Namit Chauhan / Neha Choudhary*  
Presenter: Namit Chauhan / Neha Choudhary, PES Centre for Intelligent Systems, PES University Campus, India
- 248      Linear-time Diagram. A Set Visualisation Technique for Personal Visualisation to Understand Social Interactions over Time  
*Mithileysh Sathiyarayanan*  
Presenter: Mithileysh Sathiyarayanan, City, University of London, UK



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- 350 The Reservation Technique in Hierarchical Scheduling Algorithm for Real-time Mixed Criticality Tasks  
*K. V. Charan*  
 Presenter: K. V. Charan, *Vishvesvaraya Technological University, India*

<b>Session 3.2</b>	<b>Special Session 8. On Signal Processing</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 102</b>	
<b>Chair(s)</b>	<b>Prof. Rana Majumdar / Prof Mehboob Alam</b>	

- 183 Design of Dual Band Patch Antenna with Bandwidth Enhancement using Complementary Defected Ground Structure  
*Jogesh Chandra Dash*  
 Presenter: Jogesh Chandra Dash, *V.S.S.U.T, Burla, Sambalpur, India*
- 72 Representation of Speech Signals using Hartley Group Delay Function  
*K. C. Narendra*  
 Presenter: K. C. Narendra, *P E S University, India*
- 304 Classification of Power Quality Disturbances Using Support Vector Machine  
*P. K. Arun Kumar*  
 Presenter: P. K. Arun Kumar, *KPR Institute of Engineering and Technology, India*
- 358 Contrast Enhancement Using Pixel Based Image Fusion in Wavelet Domain  
*Sunpreet Sharma*  
 Presenter: Sunpreet Sharma, *Western Sydney University, Australia*

<b>Session 3.3</b>	<b>Security</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 103</b>	
<b>Chair(s)</b>	<b>Prof. Basant Agarwal / Prof. Himdweep Khurana</b>	

- 43 Medical Image Steganography with RSA Cryptosystem using Decision Tree  
*Mamta Jain*  
 Presenter: Mamta Jain, *Mody University, Lakshmanagarh, Rajasthan*
- 81 Hybrid Cryptographically Secure Pseudo-Random Bit Generator  
*Mahesh Kumar K.M*  
 Presenter: Mahesh Kumar K.M, *Siddaganga Institute of Technology, Tumkur, karnataka, India*
- 116 Performance Evaluation of RSA and Elliptic Curve Cryptography  
*Soram Rakesh Singh*  
 Presenter: Soram Rakesh Singh, *NIELIT Extension Centre, India*

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- 209 Secure Adv Routing Protocol Based on Homomorphic Digital Signature  
*Garima Jain*  
 Presenter: Garima Jain, *AIET, Jaipur, India*
- 220 Digital Forensic Investigation using Subject-based Semantic Document Processing  
*Shraddha More*  
 Presenter: Shraddha More, *St. John College of Engineering and Management, Palghar, India*

<b>Session 3.4</b>	<b>Miscellaneous</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 104</b>	
<b>Chair(s)</b>	<b>Prof. S.K.Khatri / Dr A Rao Murlu</b>	

- 48 A Framework for Traffic Management in IoT Networks  
*Mukesh Taneja*  
 Presenter: Mukesh Taneja, *Cisco Systems, India*
- 115 Real-Time remote monitoring and operation of Industrial Devices using IoT and Cloud  
*H. S. Raju*  
 Presenter: H. S. Raju, *Siemens Technologies and Services Private Limited, Bangalore, India*
- 273 Performance Analysis of Hybrid Filters in High Power Applications  
*Banishree Misra*  
 Presenter: Banishree Misra, *KIIT University, Bhubaneswar, India*
- 492 Performance Analysis of Second Order Adaptive Filter Using Matlab Simulink  
*Banishree Misra*  
 Presenter: Banishree Misra, *KIIT University, Bhubaneswar, India*

<b>Session 3.5</b>	<b>Miscellaneous</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 105</b>	
<b>Chair(s)</b>	<b>Prof. Abhishek Singhal / Prof. Leena Khanna</b>	

- 430 Analytical Design of Lead Compensator for Qube Servo System with Inertia Disk. An Experimental Validation  
*Yogesh V. Hote*  
 Presenter: Yogesh V. Hote, *Indian Institute of Technology Roorkee, India*
- 283 Predictive Analysis of Diabetes using J48 Algorithm of Classification Techniques  
*K. R. Pradeep*  
 Presenter: K. R. Pradeep, *K. S. Institute of Technology, Bengaluru, India*

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- 314 Cost Effective Road Accident Prevention System  
*Rishabh Mahajan*  
 Presenter: Rishabh Mahajan, Manipal Institute of Technology, India
- 346 Arduino Based Door Unlocking System with Real Time Control  
*Swarup Kumar*  
 Presenter: Swarup Kumar, M.C.K.V Institute of Engineering , Howrah, India
- 374 Breast Cancer Detection Using RBF Neural Network  
*Mahendra G. Kanojia*  
 Presenter: Mahendra G. Kanojia, University Dept. of Computer Science, Santacruz East, Mumbai, India

03.45 – 04.00 Tea/Coffee Break

<b>Session 4.1</b>	<b>Data Communication and Networking</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 04.00 – 05.30</b>	
<b>Venue</b>	<b>Room 101</b>	
<b>Chair(s)</b>	<b>Prof. Abhay Bansal / Prof. Varun Malik</b>	

- 423 Selective Flooding Techniques for Dissemination in VANETs  
*Mohd Umar Farooq*  
 Presenter: Mohd Umar Farooq, Muffakham Jah College of Engg & Tech ,Osmania University Hyderabad India
- 425 Survey on Workflow Scheduling of Scientific Processes using Cloud Technology  
*B. Kezia Rani*  
 Presenter: B. Kezia Rani, JNTU College of Engineering, Hyderabad, India
- 465 Cluster Connectivity Selection Criteria in Vehicular Ad hoc Networks  
*Navneet Kaur*  
 Presenter: Navneet Kaur, Amritsar College of Engineering & Technology, Amritsar, India
- 464 A Defensive Timestamp Approach to Detect and Mitigate the Sybil Attack in Vanet  
*Shikha Sharma*  
 Presenter: Shikha Sharma, Amritsar College of Engineering & Technology, Amritsar, India
- 505 Performance Analysis of WCDMA Link Using QAM & QPSK Based on VST 5644  
*Gaurav Soni*  
 Presenter: Gaurav Soni, Amritsar College of Engineering & Technology Punjab, India
- 507 Experimental Investigation of Spectrum Sensing for LTE Frequency Band based on USRP 2920/VST 5644  
*Gaurav Soni*  
 Presenter: Gaurav Soni, Amritsar College of Engineering & Technology, Punjab, India

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- 508 Experimental Analysis and Investigation of WCDMA Link Using Vector Signal Transceiver (VST) 5644R QPSK Using PXIe 1062  
*Gaurav Soni*  
 Presenter: Gaurav Soni, *Amritsar College of Engineering & Technology, Punjab, India*

<b>Session 4.2</b>	<b>Symposium 2. International Symposium on Internet of Things (ISIoT) – Enabling Technologies and Services [Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 04.00 – 05.30</b>
<b>Venue</b>	<b>Room 102</b>
<b>Chair(s)</b>	<b>Prof. M.K.Dutta / Prof Mehboob Alam</b>

- 203 Automated IOT based System for Home Automation and Prediction of Electricity usage and Comparative Analysis of various Electricity Providers. SmartPlug  
*Anita Chaudhari*  
 Presenter: Anita Chaudhari, *St. John College of Engineering and Technology, Palghar, India*

- 235 Context Information Modelling for Internet of Things  
*P. V. Pushpa*  
 Presenter: P. V. Pushpa, *P. D. A.College of Engineering, India*

- 29 Smart Vehicles with Everything  
*R. Srinivasan*  
 Presenter: R. Srinivasan, *Dhirajlal Gandhi College of Technology, Salem, India*

- 246 A Low Cost Implementation of MQTT Using ESP8266  
*Kopulwar Shishir Mahesh*  
 Presenter: Kopulwar Shishir Mahesh, *National Institute of Technology, Warangal, India*

<b>Session 4.3</b>	<b>Symposium 3. International Symposium on Computer Vision &amp; Pattern Recognition (CVPR) [Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 04.00 – 05.30</b>
<b>Venue</b>	<b>Room 103</b>
<b>Chair(s)</b>	<b>Prof. Nirbhay Kashyap / Prof. Himdweep Khurana</b>

- 284 Review of Optical Flow Technique for Moving Object Detection  
*Shivam Gupta*  
 Presenter: Shivam Gupta, *HBTI Kanpur, India*

- 13 The Performance of Multi-Layer Neural Network on Face Recognition System  
*M. J. Yashaswini*  
 Presenter: M. J. Yashaswini, *S. J. B Institute of Technology, Bangalore, India*

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- 303 An Improved Method for Face Recognition using Local Ternary Pattern with GA and SVM Classifier  
*Divya Tyagi*  
Presenter: Divya Tyagi, *AKGEC, Ghaziabad, India*
- 253 A Comparative Analysis of Color Features For Classification of Bulk Chilli  
*Mahantesh Sajjan*  
Presenter: Mahantesh Sajjan, *KLEIT Hubli, India*
- 242 Sixth Sense Technology. Applications and Comparison  
*Allan Shivji*  
Presenter: Allan Shivji, *St. John College of Engineering and Technology, India*

Session 4.4	Special Session 3. On artificial intelligence and the World Wide Web	[Parallel]
Date/Time	Thursday, 15 December 2016 / 04.00 – 05.30	
Venue	Room 104	
Chair(s)	Dr. Laxmi Ahuja / Dr A Rao Murli	

- 128 Memristor Threshold Logic. An Overview to Challenges and Applications  
*Alex P James*  
Presenter: Alex P James , *Nazarbayev University, Kazakhstan*
- 156 Implementation of Neural Network for Channel Estimation in OFDM Network  
*Ravinder Kaur*  
Presenter: Ravinder Kaur, *Punjab Technical University, Jalandhar, India*
- 250 Rule based Chunker for Hindi  
*Sneha Asopa*  
Presenter: Sneha Asopa, *Banasthali Vidyapith, Banasthali, Newai, India*
- 305 Neural Network Tuned Fuzzy Logic Power System Stabilizer Design for SMIB  
*S. Vivekanandan*  
Presenter: S. Vivekanandan, *KPR Institute of Engineering and Technology, Coimbatore, India*
- 306 Performance Improvement of AGC by ANFIS  
*R. Uthirasamy*  
Presenter: R. Uthirasamy, *KPR Institute of Engineering and Technology, Coimbatore, India*

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<b>Session 4.5</b>	<b>Security / Database System</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Thursday, 15 December 2016 / 04.00 – 05.30</b>	
<b>Venue</b>	<b>Room 105</b>	
<b>Chair(s)</b>	<b>Dr. Subhranil Som / Prof. Leena Khanna</b>	

- 233 [Invited] Two Factor Verification using QR-code. A Unique Authentication system for Android Smartphone Users  
*Brinzel Rodrigues, Anita Chaudhari and Shraddha More*  
 Presenter: Brinzel Rodrigues, *St. John College of Engineering and Technology, Palghar, India*
- 268 Blockchain. Future of Financial and Cyber Security  
*Sachchidanand Singh*  
 Presenter: Sachchidanand Singh, *IBM Software Lab, India*
- 225 An Android Investigational Framework — Simplifying Mobile Forensics Using Regular Expressions  
*Neera Jeyamohan*  
 Presenter: Neera Jeyamohan, *Asia Pacific Institute of Information Technology, Sri Lanka*
- 497 PMEM. Predicting Multiple Time Series using Ensemble Model  
*Vishwanath R Hulipalled*  
 Presenter: Vishwanath R Hulipalled, *REVA University, Bengaluru, India*

06.00 – 08.00 Conference Banquet-cum-Cultural Program

# IC<sup>3</sup>I 2016 - Technical Programme

## Technical Programme — Day 3: 16 December 2016, Friday

09.00 onwards	Registration
10.00 – 11.00	Keynote 4: Dr. Álvaro Rocha
11.00 – 12.00	Keynote 5: Dr. Viral Nagori

12.00 – 12.15      Tea/Coffee Break

12.15 – 01.15      Keynote 6: Prof. Dr. Daniel Thalmann

01.15 – 02.15      Lunch

<b>Session 5.1</b>	<b>Intelligent Computing</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 101</b>	
<b>Chair(s)</b>	<b>Dr. Sarika Jain / Prof. Rubeena Pasha</b>	

- 322      How Effective is Black Hole Algorithm?  
*Himanshu Gupta*  
Presenter: Himanshu Gupta, *SGSITS, Indore, India*
- 338      An Optimal Proximity Method for Nearest Neighbor Search in High Dimensional Data  
*Raghunadh Pasunuri*  
Presenter: Raghunadh Pasunuri, *Raghunadh Pasunuri*
- 474      Comparative Analysis of SpatialHadoop and GeoSpark for Geospatial Big Data Analytics  
*Noopur Gupta*  
Presenter: Noopur Gupta, *IIIT Bhubaneswar, India*
- 354      Convolutional Neural Networks for Lung Cancer Screening in Computed Tomography (CT) Scan  
*Prajwal Rao / Nishal Ancelette Pereira*  
Presenter: Prajwal Rao / Nishal Ancelette Pereira, *M. S. Ramaiah Institute of Technology, Bangalore, India*
- 436      Automobile Driver Profiling – Inferring Emotions Through Actions for Safe Driving  
*Taranpreet Singh Saini*  
Presenter: Taranpreet Singh Saini, *Computer Engineering Department, MAEER's MIT, Kothrud, Pune, India*

# IC<sup>3</sup>I 2016 - Technical Programme

<b>Session 5.2</b>	<b>Intelligent Computing</b> <span style="float: right;">[Parallel]</span>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 02.15 – 03.45</b>
<b>Venue</b>	<b>Room 102</b>
<b>Chair(s)</b>	<b>Dr. Mayank Sharma / Prof. Firoza Haq</b>

- 65  
[Invited] Early Detection of Schizophrenia in Gray Matter Using MR Images  
*Varun P Gopi and C V Liji*  
Presenter: Varun P Gopi, *Government Engineering College Wayanad, India*
- 315 Detection of Fake Twitter Followers using Graph Centrality Measures  
*Ashish Mehrotra*  
Presenter: Ashish Mehrotra, *Manipal Institute of Technology, Manipal University, India*
- 318 Scoring Based Unsupervised Approach to Classify Research Papers  
*S. G. Gagan / N. Rajasimha*  
Presenter: S. G. Gagan / N. Rajasimha, *Sri Jayachamarajendra College of Engineering, India*
- 186 Binary Clustering of Color Images by Fuzzy Co-Clustering with Non-Extensive Entropy Regularization  
*Seba Susan*  
Presenter: Seba Susan, *Delhi Technological University, New Delhi, India*
- 477 Algorithm for Fuzzy based Compression of Gray JPEG Images for Big Data Storage  
*Navneet Kaur*  
Presenter: Navneet Kaur, *Amritsar College of Engineering & Technology, Amritsar, India*

<b>Session 5.3</b>	<b>Intelligent Computing / Database System</b> <span style="float: right;">[Parallel]</span>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 02.15 – 03.45</b>
<b>Venue</b>	<b>Room 103</b>
<b>Chair(s)</b>	<b>Dr. Renuka Mahajan / Prof. Abhishek Verma</b>

- 429 A Stochastic Heuristic based Approach to Test Vector Reordering for Dynamic Test Power Reduction  
*Sanjoy Mitra*  
Presenter: Sanjoy Mitra, *Assam University (A Central University), Silchar, India*
- 435 Inferring Emotional State of a User by User Profiling  
*Taranpreet Singh Saini*  
Presenter: Taranpreet Singh Saini, *Computer Department, MAEER's MIT, Pune, Maharashtra, India*
- 205 Data Synchronization in Heterogeneous Database Environment  
*Abhishek Verma*  
Presenter: Abhishek Verma, *Center for Development of Advanced Computing, Noida, India*



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- 463 A Survey on Closed Frequent Itemset Mining on Data Streams  
*S. Pavitra Bai*  
 Presenter: S. Pavitra Bai, *SJB Institute of Technology, India*

<b>Session 5.4</b>	<b>Miscellaneous</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 104</b>	
<b>Chair(s)</b>	<b>Dr. Neetu Mittal / Dr Vineet Kansal</b>	

- 424 Leaf classification based on Shape and Edge Feature with k-NN Classifier  
**[Invited]** *Pullela S V V S R Kumar, Konda Naga Venkateswara Rao, Akella S. Narasimha Raju and D. J. Nagendra Kumar*  
 Presenter: Pullela S V V S R Kumar, *Aditya College of Engineering, India*
- 264 CredRank. Evaluating Tweet Credibility during High Impact Events  
*Vikram Singh*  
 Presenter: Vikram Singh, *National Institute of Technology, Kurukshetra, India*
- 399 A Comprehensive Review of the Brain Mapping Technique  
*Prashant Vats*  
 Presenter: Prashant Vats, *Fairfield Institute of Management & Technology, New Delhi, India*
- 413 Developing the Static Fire Danger Index using Geospatial Technology  
*K. V. Suresh Babu*  
 Presenter: K. V. Suresh Babu, *International Institute of Information Technology, Hyderabad Lab for Spatial Informatics International Institute of Information Technology Hyderabad, India*

<b>Session 5.5</b>	<b>Systems Software</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 02.15 – 03.45</b>	
<b>Venue</b>	<b>Room 105</b>	
<b>Chair(s)</b>	<b>Dr. Naresh Kumar / Prof. Ashish Verma</b>	

- 130 Integration of PLC Based Offline Impedance Matching System for ICRH Experiments  
**[Invited]** *Ramesh Joshi, H. M. Jadao, Aniruddh Mali and S.V. Kulkarni*  
 Presenter: Ramesh Joshi, *Institute for Plasma Research, India*
- 236 Web Based Patient Health Monitoring System using Raspberry Pi  
**[Invited]** *Dhiraj Sunehra and Pini Ramakrishna*  
 Presenter: Dhiraj Sunehra, *JNTUH College of Engineering, India*
- 182 Tuning Compilations Landscape  
*N. A. B. Sankar Chebolu*  
 Presenter: N. A. B. Sankar Chebolu, *ANURAG, India*

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- 363 Real Time Monitoring & Alert System for Landslide  
*Shashank Kapoor*  
 Presenter: Shashank Kapoor, *Centre for Development of Advanced Computing Mohali, India*
- 14 Comparison of AI and Cu Interconnects Using VHDL-AMS and SPICE Modeling  
*Saurabh Chaturvedi*  
 Presenter: Saurabh Chaturvedi, *University of Johannesburg, South Africa*

03.45 – 04.00 Tea/Coffee Break

<b>Session 6.1</b>	<b>Intelligent Computing</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 04.00 – 05.30</b>	
<b>Venue</b>	<b>Room 101</b>	
<b>Chair(s)</b>	<b>Dr. Sarika Jain / Prof. Rubeena Pasha</b>	

- 427 Rapid Face Detection and Annotation with Loosely Face Geometry  
**[Invited]** *P. Shanmugavadiou and Ashish Kumar*  
 Presenter: Ashish Kumar, *Gandhigram Rural Institute – DU, Dindigul, India*
- 360 Method of Binary Variational Analytic Programming for Synthesis of Control at Dynamic Constraints  
*A. I. Diveev*  
 Presenter: A. I. Diveev, *RUDN University, Russia*
- 364 Optimization of Signal Behavior through Dynamic Traffic Control. Proposed Algorithm with Traffic Profiling  
*Mangesh Bedekar*  
 Presenter: Mangesh Bedekar, *MIT, Kothrud, Pune, India*
- 372 Human Body Language Understanding for Action Detection using Geometric Features  
*Neha Shirbhate*  
 Presenter: Neha Shirbhate, *S.P.I.T, Mumbai, India*
- 382 A Comparative study on Code-Mixed data of Indian Social Media vs Formal text  
*Prakash Ranjan*  
 Presenter: Prakash Ranjan, *IIIT Bhubaneswar (CSE), India*

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<b>Session 6.2</b>	<b>Symposium 2. International Symposium on Internet of Things (ISIoT) – Enabling Technologies and Services</b> [Parallel]
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 04.00-05.30</b>
<b>Venue</b>	<b>Room 102</b>
<b>Chair(s)</b>	<b>Dr. Mayank Sharma / Prof. Firoza Haq</b>

- 247 An IoT based Weather Information Prototype Using WeMos  
*Archana Sahu*  
Presenter: Archana Sahu, *National Institute of Technology, Warangal, India*
- 316 On the Selection of Efficient Routing Protocol for 802.11p Interface in VANET  
*Kanu Priya*  
Presenter: Kanu Priya, *GNDU Regional Campus, India*
- 317 Optimisation of MAC Layer to Mitigate the Effect of Increased Mobility in VANET  
*Kanu Priya*  
Presenter: Kanu Priya, *GNDU Regional Campus, India*
- 337 Rectangular Patch Antenna with CPW Feed  
*Akhilesh Kumar Pandey*  
Presenter: Akhilesh Kumar Pandey, *University of Allahabad, India*

<b>Session 6.3</b>	<b>Intelligent Computing/Database System</b> [Parallel]
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 04.00 – 05.30</b>
<b>Venue</b>	<b>Room 103</b>
<b>Chair(s)</b>	<b>Dr. Renuka Mahajan / Prof. Abhishek Verma</b>

- 439 Path Independent Real Time Points of Interest Detection in Road Networks  
**[Invited]** *Anshuman Rohella and Sanjay Singh*  
Presenter: Sanjay Singh, *Manipal Institute of Technology, Manipal University, India*
- 438 Time Alone is Not the Clear Indicator of Relevancy  
*Taranpreet Singh Saini*  
Presenter: Taranpreet Singh Saini, *Computer Engineering Department, MAEER's MIT, Kothrud, Pune India*
- 466 Online Multiple-Model Approach to Prediction for Financial Markets  
*Ashwin S. Ravi*  
Presenter: Ashwin S. Ravi, *PES Centre for Intelligent Systems, PES Institute of Technology, Bangalore, India*
- 214 FMODC. Fuzzy guided Multi-Objective Document Clustering by GA  
*Annaluri Sreenivasa Rao*  
Presenter: Annaluri Sreenivasa Rao, *MRCE, Hyderabad, Telangana State, India*

# IC<sup>3</sup>I 2016 - Technical Programme

<b>Session 6.4</b>	<b>Database System</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 04.00 – 05.30</b>	
<b>Venue</b>	<b>Room 104</b>	
<b>Chair(s)</b>	<b>Dr. Neetu Mittal / Dr Vineet Kansal</b>	

351 Big Data Visualization. Tools and Challenges  
*Syed Mohd Ali*  
 Presenter: Syed Mohd Ali, *International Institute of Information Technology, Bhubaneswar, India*

370 Logistic Regression within DBMS  
*Jackson Isaac*  
 Presenter: Jackson Isaac, *Amrita School of Engineering, Amritapuri, Amrita Vishwa Vidyapeetham, Amrita University, India*

415 Comparative Study of Commit Protocols in Mobile Environment. M2PC, UCM and TCOT  
*Ankit Kumar Jaiswal*  
 Presenter: Ankit Kumar Jaiswal, *MMMUT, Gorakhpur, India*

<b>Session 6.5</b>	<b>Systems Software</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Friday, 16 December 2016 / 04.00 – 05.30</b>	
<b>Venue</b>	<b>Room 105</b>	
<b>Chair(s)</b>	<b>Dr. Naresh Kumar / Prof. Ashish Verma</b>	

366 A New Design of Digitally Controlled Oscillator for Low Power Applications  
*Shweta Dabas*  
 Presenter: Shweta Dabas, *Guru Gobind Singh Indraprastha University, New Delhi, India*

380 Design of Low Power and High Speed Phase Detector  
*Nitin Kumar*  
 Presenter: Nitin Kumar, *USICT, Guru Gobind Singh Indraprastha University, India*

417 A Game AI based on ID3 Algorithm  
*Yang Li*  
 Presenter: Yang Li, *HeFei University of Technology, China*

449 Single-Resistance-Controlled Quadrature Oscillator Employing Two Current Differencing Buffere Amplifier  
*Tajinder Singh Arora*  
 Presenter: Tajinder Singh Arora, *Maharaja Surajmal Institute of Technology, New Delhi, India*

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## Technical Programme — Day 4: 17 December 2016, Saturday

09.00 onwards	Registration
10.00 – 11.00	Keynote 7: Dr. Dilip Kumar Sharma
11.00 – 12.00	Keynote 5: Dr. Pethuru Raj

12.00 – 12.15      Tea/Coffee Break

<b>Session 7.1</b>	<b>Intelligent Computing / Special Session 5. On Cloud Computing</b>	<b>[Parallel]</b>
<b>Date/Time</b>	<b>Saturday, 17 December 2016 / 12.15 – 01.15</b>	
<b>Venue</b>	<b>Room 101</b>	
<b>Chair(s)</b>	<b>Prof. Neha Agarwal / Prof. Mayank Maheshwari</b>	

- 237      Prediction of Apnea of Prematurity in Neonates using Support Vector Machines and Random Forests  
*Nikhil Mago*  
 Presenter: Nikhil Mago, MIT, Manipal University, India
- 39      Image Enhancement using Hybrid GSA- Particle Swarm Optimization  
*Aditya Sharma*  
 Presenter: Aditya Sharma, Amity University, (U.P), Noida, India
- 381      Implementation of Security and Bandwidth Reduction in Multi Cloud Environment  
*N. Sandeep Chaitanya*  
 Presenter: N. Sandeep Chaitanya, VNRVJIET, Hyderabad, India
- 484      Proactive Framework for Energy Efficient Job Scheduling in Cloud Computing  
*Rupinderjit Singh*  
 Presenter: Rupinderjit Singh, ACET Amritsar, Punjab Technical University, Jalandhar, India
- 174      Not Yet Decided  
*Rajeev Kumar*  
 Presenter: Rajeev Kumar, Hindustan College of Science and Technology, Mathura, Uttar Pradesh, India
- 343      Mathematical Tools and Methods for Analysis of SDN. A Comprehensive Survey  
*L. Girish*  
 Presenter: L. Girish, CIT, Gubbi, India

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<b>Session 7.2</b>	<b>Special Session 6. On Very large databases / Miscellaneous</b> [Parallel]
<b>Date/Time</b>	<b>Saturday, 17 December 2016 / 12.15 – 01.15</b>
<b>Venue</b>	<b>Room 102</b>
<b>Chair(s)</b>	<b>Prof. Gaurav Dubey / Prof. Deepak Kumar Verma</b>

- 245  
[Invited] Study of Effectiveness of Stockwell Transform for Detection of Coronary Artery Disease from Heart Sounds  
*Sibghatullah I. Khan and Vasif Ahmed*  
Presenter: Sibghatullah I. Khan, Babasaheb Naik College of Engineering, PUSAD (MS), India
- 136 Impact of Big Data in Healthcare. A Survey  
*D. K. Thara*  
Presenter: D. K. Thara, Channabasaveshwara Institute of Technology, Gubbi, Tumakuru, India
- 422 Recommendations Through Click Stream. Tracking the need, Current Work and Future Directions  
*Mayank Rawat*  
Presenter: Mayank Rawat, ARSD College, New Delhi, India
- 162 Taking E-learning to the Lab. Simulating a Lab Experiment in Physics  
*Abhijit Poddar*  
Presenter: Abhijit Poddar, Surendranath Evening College, Kolkata, India
- 171 Efficient Variable Neighborhood Search Performance Based Joint Optimization Task Allocation for Multicore Processor  
*Prabh Khehra*  
Presenter: Prabh Khehra, Amritsar College of Engineering and Technology, Amritsar, India
- 210 Over Speed Monitoring System  
*Ravi Kishore Kodali*  
Presenter: Ravi Kishore Kodali, National Institute of Technology, Warangal, India

<b>Session 7.3</b>	<b>Symposium 4. International Symposium on Internet of Things (IoT) Use Cases (Consumer, Social, and Industry) / Special Session 2. On Information and Knowledge Management</b> [Parallel]
<b>Date/Time</b>	<b>Saturday, 17 December 2016 / 12.15 – 01.15</b>
<b>Venue</b>	<b>Room 103</b>
<b>Chair(s)</b>	<b>Prof. Arun Prakash / Prof. Manveen Kaur</b>

- 133  
[Invited] Load Forecasting at Distribution Transformer using IoT based Smart Meter Data from 6000 Irish Homes  
*Mantinder Jit Singh, Prakhar Agarwal and Kumar Padmanabh*  
Presenter: Prakhar Agarwal, BITS Pilani, India
- 489  
[Invited] An IoT Based Soil Moisture Monitoring on Losant Platform  
*Ravi Kishore Kodali and Archana Sahu*  
Presenter: Archana Sahu, National Institute of Technology, Warangal, India

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- 378 **[Invited]** An Integration of SVD Digital Image Watermarking with AES Technique for Copyright Protection and Security of Bank Cheque Image  
*Sudhanshu Suhas Gonge and Ashok A. Ghatol*  
Presenter: Sudhanshu Suhas Gonge, *SGBAU Amravati, Maharashtra, India*
- 486 Low Cost Ambient Monitoring using ESP8266  
*Kopulwar Shishir Mahesh*  
Presenter: Kopulwar Shishir Mahesh, *National Institute of Technology, Warangal, India*
- 448 Agriculture Yield Prediction Using Predictive Analytic Techniques  
*S. Nagini*  
Presenter: S. Nagini, *VNR VJIET, JNTU Hyderabad, India*
- 385 The Redesigned Fuzzy C Strange Points Clustering Algorithm  
*Terence Johnson / Anuradha Sharma*  
Presenter: Terence Johnson / Anuradha Sharma, *Agnel Institute of Technology & Design, Assagao, Goa, India*

Session 7.4	Data Communication and Networking	[Parallel]
Date/Time	Saturday, 17 December 2016 / 12.15 – 01.15	
Venue	Room 104	
Chair(s)	Prof. Ankur Choudhary / Prof. Avantika Yadav	

- 112 **[Invited]** MAQ System Development in Mobile Ad-hoc Networks Using Mobile Agents  
*Mamata Rath and Mohit Ranjan Panda*  
Presenter: Mamata Rath , *C. V. Raman Computer Academy, Odisha, India*
- 292 **[Invited]** Connected Dominating Set based Network Coding for SDN  
*Amit Singh and Aitha Nagaraju*  
Presenter: Aitha Nagaraju, *Central University of Rajasthan, India*
- 228 **[Invited]** Amelioration of Load Balanced Gateway Selection Protocol in Integrated Internet-MANET  
*Rafi U Zaman, Humaira M. Alam, Khaleel ur Rahman Khan and A. Venugopal Reddy*  
Presenter: Humaira M. Alam, *Muffakham Jah College of Engineering and Technology, Hyderabad, India*
- 432 **[Invited]** A Framework of Smart Homes Connected Devices Using Internet of Things  
*M. Bala Krishna and Anudit Verma*  
Presenter: M. Bala Krishna , *Guru Gobind Singh Indraprastha University, New Delhi, India*
- 263 A Study on Disruption Tolerant Session Based Mobile Architecture  
*Srivitha S Vijayan*  
Presenter: Srivitha S Vijayan, *Mar Baselios College of Engineering and Technology, Trivandrum, India*
- 275 Taxonomy of Routing Protocols in Wireless Sensor Networks. A Survey  
*Harmanpreet Singh*  
Presenter: Harmanpreet Singh, *SLIET, Longowal, Sangrur, India*

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Session 7.5	Special Session 8. On signal processing/ Software Engineering / Special Session 9. On Distributed computing	[Parallel]
Date/Time	Saturday, 17 December 2016 / 12.15 – 01.15	
Venue	Room 105	
Chair(s)	Prof. Anant Kumar Jaiswal / Prof. J.S. Sodhi	

- 462 [Invited] On the Marriage of Kolmogorov Complexity and Multi-fractal parameters for Epileptic Seizure Classification  
*Sawon Pratiher, Sayantani Patra, Paritosh Bhattacharya*  
Presenter: Sawon Pratiher, *Indian Institute of Technology, Kharagpur, India*
- 442 A PARALIND Decomposition-Based Coherent Two-Dimensional Direction of Arrival Estimation Algorithm for Vector Electromagnetic Array  
*Liu Wupeng*  
Presenter: Liu Wupeng, *Harbin Engineering University, China*
- 419 Closed-form Design Expression for First Null Beam Width with Taylor Distribution  
*Abhijit Pal*  
Presenter: Abhijit Pal, *Heritage Institute of Technology, India*
- 440 Verification of Interactive Automated Air Traffic Control System in a Model Driven Approach  
*HK Jnanamurthy*  
Presenter: HK Jnanamurthy, *University of Newcastle, Australia*
- 180 Simulink based Fuzzified COCOMO  
*Sonia Chhabra*  
Presenter: Sonia Chhabra, *Hindu College of Engineering, India*
- 40 A Heuristic based approach to scheduling interacting tasks on distributed resources to maximize their parallel execution  
*Uddalok Sen*  
Presenter: Uddalok Sen, *Asansol Engineering College, West Bengal, India*
- 215 A Review of Approaches for Processing of Queries in Distributed Mobile Environment  
*Ancy Gonsalves*  
Presenter: Ancy Gonsalves, *D.J. Sanghvi College of Engineering, Mumbai, India*

End of Conference