

# 2015 International Conference on Computing and Network Communications (CoCoNet'15)

<http://www.iiitmk.ac.in/coconet2015/>

**December 16-19, 2015**

*Organised by*

**Indian Institute of Information Technology and Management-Kerala (IIITM-K)**  
*(An Autonomous Institute Established by Govt. of Kerala)*



**IEEE**

**IEEE COMMUNICATIONS SOCIETY**



Trivandrum Chapter



**KERALA INDIA TECHNOPARK**  
HARMONY@WORK

**Venue:** Park Centre, Technopark, Trivandrum



**Park Centre**

## Program

December 16, 2015		Room
08.45am	Registration Starts	Reception Area
9.30am-09.50am	Inauguration Proceedings Release	Travancore Hall
9:50am-11:00am	<b>Keynote: A Secure Data Sharing and Query Processing Framework via Federation of Cloud Computing</b> Prof. Sanjay K Madria, Professor and Associate Chair for Research, Department of Computer Science, Missouri University of Science and Technology, USA	Travancore Hall
11.00am-11.20am	Tea Break	Exhibition Space
11:20 am-12:30pm	<b>Keynote: The IoT Landscape: A New IT Goldmine for Everyone</b> Prof. San Murugesan, Editor-in-Chief at IEEE IT Professional magazine, Director at BRITE Professional Services, Adjunct Professor at University of Western Sydney, Australia	Travancore Hall
12.30pm-1.30pm	Lunch Break	Exhibition Space
<b>Parallel Technical Sessions</b>		
1.30pm-3.30pm	CoCoNet'15 - Best Paper Session-I	Travancore Hall
3:45 pm - 5:30pm	CoCoNet'15- Best Paper Session-II	Travancore Hall
1.30pm - 5:00pm	CoCoNet-S3: MANET, VANET, WSN and Social Networks (Regular Papers)	Cochin Hall
3:30pm - 5:00pm	CoCoNet'15: Poster Paper Session-A	Exhibition Space
3.30pm-4.30pm	Tea	Exhibition Space

<b>December 17, 2015</b>		<b>Location</b>
08.45am	Registration Starts	<b>Reception Area</b>
09.20am-10.30am	<b>Keynote: Systematic machine learning and classification systems (Real life applications)</b> Dr. Parag Kulkarni, CEO and Chief Scientist, EKLaT, Pune, India	<b>Travancore Hall</b>
10.30am-11.00am	<b>Demo-I: Raksha SafeDrive - India's First Smart Road Safety Platform</b> Mr. Prasad Pillai, CEO & Co-Founder, Raksha SafeDrive, Technopark, Trivandrum	<b>Travancore Hall</b>
11.00am-11.30am	Tea Break	<b>Exhibition Space</b>
11.30am-12.30pm	<b>Keynote: The Mobile Architectures : Current State and Future Trends</b> Dr. Sougata Mukherjee, Chief Technologist, GTS Mobility Services, IBM India Research Lab, New Delhi, India	<b>Travancore Hall</b>
<b>12.30pm-1.30pm</b>	Lunch Break	<b>Exhibition Space</b>
<b>Parallel Technical Sessions</b>		
1.30 m– 3.30 pm	CocoNet-S4 : Computer Vision, Image Processing, Machine Learning and Pattern Recognition (Regular Papers)	<b>Travancore Hall</b>
04.00pm–5.30pm	CoCoNet-S5:Adaptive Systems and Signal Processing (Regular Papers)	<b>Travancore Hall</b>
1.30pm – 5.30pm	CoCoNet-S6 : Cloud Computing/ Wireless Communications (Short Papers)	<b>Cochin Hall</b>
04.00pm–5.30pm	CoCoNet'15: Poster Paper Session-B	<b>Exhibition Space</b>
3.30pm-4.30pm	Tea	<b>Exhibition Space</b>
6.00pm	Cultural Program	<b>Travancore Hall</b>
	Banquet Dinner	<b>Exhibition Space</b>

# Cultural Program by

**Midhilalaya Dance Academy, Trivandrum**

**December 17, 2017, 06.00pm**

**Travancore Hall, Park Centre, Technopark**

December 18, 2015		Location
08.45am	Registration Starts	Reception Area
9.20am-10.20am	<b>Keynote: The Network Security Challenge: Protecting from the Unknown</b> Dr. Christian Callegari, Dept. of Information Technology, University of Pisa, Italy	Travancore Hall
10.20am-10.50am	<b>Demo-II: miBEAT -Biomedical Engineering Application Toolkit : An Innovative Platform to Obtain Medical Grade Physiological Signals over Android Phones</b> Abhinav, MD and CEO of Cardea Biomedical Technologies (P) Ltd., New Delhi	Travancore Hall
10.50am-11.10am	Tea Break	Exhibition Space
11.10am-01.00pm	<b>Tutorial : Computer Aided Diagnosis using Multiple Instance Learning</b> Dr. Kumar Rajamani, Architect, Robert Bosch, Bangalore	Cochin Hall
	<b>Tutorial : End-to-End Provisioning in Software Defined Data Center(SDDC)</b> Dr. Hemant Kumar Rath, Dr. Shameemraj M Nadaf, Dr. Anantha Simha, TCS Networks Lab, Bangalore, Karnataka, India	Travancore Hall
12.30pm-1.30pm	Lunch Break	Exhibition Space
<b>Parallel Technical Sessions</b>		
1.45pm-5.30pm	CocoNet-S8 : Network Security and Privacy (Regular Papers)	Travancore Hall
1.45pm-5.30pm	CoCoNet-S7 : Image and Signal Processing, Machine Learning and Pattern Recognition (Short Papers)	Cochin Hall
3.30pm-4.30pm	Tea	Exhibition Space

December 19, 2015		Location
08.45am	Registration Starts	Reception Area
9.30 am - 10.15 am	<b>Keynote: Mobile Payments- A Growing Threat and How Machine Learning can Help</b> Dr. Dinesh Garg, IBM India Research Lab, Bangalore	Travancore Hall
10.30am-11.00am	Tea Break	Exhibition Space
9.30am-12.30pm	CoCoNet S12: Symposium on Machine Learning Algorithms and Applications(MLAA'15) (Regular and Short Papers)	Cochin Hall
	CoCoNet S9: MANET, WANET, WSN and Social Networks (Short Papers)	Malabar Hall
	CoCoNet S10: Symposium on Emerging Topics in Computing and Communications(SETCAC'15) (Regular Papers)	Travancore Hall
12.30pm-1.30pm	Lunch Break	Exhibition Space
<b>Parallel Technical Sessions</b>		
1.30pm-5.00m	CoCoNet S13: Symposium on Multimedia, Visualization and Human Computer Interaction (SMVH'15) <b>Keynote: Challenges in MMOGs Development and Security</b> Prof. Abdennour El Rhalibi, Professor of Entertainment Computing, School of Computing and Mathematical Sciences, Liverpool John Moores University, United Kingdom	Malabar Hall
1.30pm-5.00pm	CoCoNet S11: Symposium on Emerging Topics in Computing and Communications(SETCAC'15) (Short Papers)	Travancore Hall
3.00pm-4.00pm	Tea	Exhibition Space

**Parallel Technical Sessions  
(CoCoNet'15)**

## S1: CoCoNet'15 Best Paper Session-I

Date	December 16, 2015
Session time	Wednesday, 01:30pm
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Sanju Pillai (NMIT, Yelahanka, Bangalore, India)

<p><i>Ubiquitous Fall Detection Through Wireless Channel State Information</i></p> <p>Saurabh Maheshwari (Govt. Women Engineering College Ajmer ; Student Member IEEE, India); Anil Tiwari (IIT Jodhpur, India)</p> <p>[1570215449]</p>
<p><i>Policy-based Monitoring and Energy Management for NFV Data Centers</i></p> <p>Ram (Ramki) Krishnan (Dell ; JnanaEdge, USA); Tim Hinrichs (Styra, USA); Dilip Krishnaswamy (IBM Research, India); Ruby Krishnaswamy (Orange Labs, France)</p> <p>[1570220411]</p>
<p><i>GPGPU Implementation of Information Theoretic Algorithms for the Analysis of Granular Layer Neurons</i></p> <p>Manjusha Nair (Amrita School of Biotechnology, Amrita Vishwa Vidyapeetham, India); Prasanth Madhu (Amrita University, India); Arathi Rajendran (Amria University, India); Vyshnav Mohan (Amrita University, India); Bipin Nair and Shyam Diwakar (Amrita Vishwa Vidyapeetham ( Amrita University), India)</p> <p>[1570218908]</p>
<p><i>Deployment of Wireless Sensor Network for Radiation Monitoring</i></p> <p>Jemimah Ebenezer (Indira Gandhi Centre for Atomic Research, India); S.A.V. Satya Murty (IGCAR, India)</p> <p>[1570216267]</p>
<p><i>Oracle Model to Validate Shoulder-Surfing Resistance of Virtual Keyboards</i></p> <p>Ariharan V (Central Research Laboratory ; Bharat Electronics Limited, India)</p> <p>[1570215271]</p>

## S2: CoCoNet'15- Best Paper Session-II

Date	December 16, 2015
Session time	Wednesday, 03:45pm
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Akshaye Dhawan (Ursinus College, USA)

<p><i>Cooperative Game Theoretic Approach for Job Scheduling in Cloud Computing</i></p> <p>Alaka Ananth (The National Institute of Engineering, Mysore, India); Chandra Sekaran K (National Institute of Technology Karnataka, India)</p> <p>[1570216871]</p>
<p><i>Ring Connected Binary Tree A Structured and Scalable Architecture for NOC Based Systems</i></p> <p>Sanju Pillai (NMIT, Yelahanka, Bangalore, India); Niranjan Chiplunkar (NMAMIT, India)</p> <p>[1570219420]</p>

<p><i>Adaptation of Multi-domain Corpus Learned Seeds and Polarity Lexicon for Sentiment Analysis</i></p> <p>Swati M. Sanagar and Deepa Gupta (Amrita Vishwa Vidyapeetham, India)</p> <p>[1570216666]</p>
<p>Brain-inspired Method for Constructing a Robust Virtual Wireless Sensor Network</p> <p>Shinya Toyonaga, Kominami Daichi and Masayuki Murata (Osaka University, Japan)</p> <p>[1570214685]</p>
<p><i>Modelling and Implementation of Two Coupled Hodgkin-Huxley Neuron Model</i></p> <p>Sunitha Ramachandran (Amrita Vishwa Vidyapeetham, India); Dhanya Eledath (Amrita Vishwa Vidyapeetham, India); N Pradhan (NIMHANS, Bangalore, India); A Sreedevi (VTU, India)</p> <p>[1570216759]</p>

### S3: CoCoNet-S3: MANET, VANET, WSN and Social Networks (Regular Papers)

Date	December 16, 2015
Session time	Wednesday, 01:30pm
Room	Cochin Hall
Talk time per paper	15
Session Chair(s)	Dr. Tony Thomas (IIITM-K, India)

<p><i>Energy Efficient Deployment of Wireless Sensor Network by Multiple Mobile Robots</i></p> <p>Rajesh M (Amrita School of Engineering ; Amrita Vishwa Vidyapeetham Bengaluru Campus, India); Anu George (Amrita School of Engineering, India); Sudarshan Tsb (Amrita Vishwa Vidyapeetham University ; School of Engineering, India)</p> <p>[1570213584]</p>
<p><i>Low Energy Fixed Clustering Algorithm (LEFCA) for Wireless Sensor Networks</i></p> <p>Korhan Cengiz (Trakya University, Turkey); Tamer Dag (Kadir Has University, Turkey)</p> <p>[1570215391]</p>
<p><i>Performance Analysis of Zigbee for Energy Transmission Monitoring in Smart Grids</i></p> <p>Anitha Varghese (ABB Research, India); Hariram Satheesh (ABB, India); Simi P Valsan (ABB GISL, India); Greeshma Shekaran (NIT Calicut, India)</p> <p>[1570215529]</p>
<p><i>Adopting FEC and Packet Combining to Increase the Performance of IWSNs Using Relaying</i></p> <p>Svetlana Girs, Elisabeth Uhlemann and Mats Björkman (Malardalen University, Sweden)</p> <p>[1570215931]</p>
<p><i>A Computational Geometric Approach for Overlapping Community (Cover) Detection in Social Network</i></p> <p>Sumithra Vs (Sree Chitra Thirunal College of Engineering, Trivandrum, Kerala, India, India); Subu Surendran (Sree Chitra Thirunal College of Engineering Trivandrum, Kerala, India, India)</p> <p>[1570216025]</p>
<p><i>Development and Analysis of Wireless Mesh Networks with Load-balancing for AMI in Smart Grid</i></p> <p>A Robertsingh (Kalsalingam University, Anand Nagar, Virudhunagar, Tamilnadu, India); Durairaj Devaraj (Kalasalingam University, India); R Narmathabanu (Velammal College of Engineering and Technology, Madurai, Tamil Nadu, India)</p> <p>[1570216696]</p>



<p><i>Positive Influence Dominating Set Generation in Social Networks</i></p> <p>Akshaye Dhawan and Matthew Rink (Ursinus College, USA)</p> <p>[1570215946]</p>
<p><i>New Approaches for Discovering Unsupervised Human Activities by Mining Sensor Data</i></p> <p>Bhadrachalam Chitturi (Department of Computer Science and Engineering Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, Kerala, India, USA); Jyothi Thomas and Indulekha T S (Amrita Vishwa Vidya Peetham, Amritapuri, Kollam, India)</p> <p>[1570213692]</p>
<p><i>Data Aggregation for Pest Identification in Coffee Plantations Using WSN: A Hybrid Model</i></p> <p>Roshan Zameer Ahmed (Reva Institute of Technology and Management, India); Rajashekhar Biradar (Reva University, India)</p> <p>[1570214582]</p>
<p><i>Economic Access Network Selection in Heterogeneous Wireless Networks Environment</i></p> <p>Firmin Mah (ETS, University of Quebec, Canada); Zbigniew Dziong (École de technologie supérieure, University of Quebec, Canada); Jean-Charles Grégoire (University of Quebec, INRS, Canada)</p> <p>[1570215274]</p>
<p><i>Wireless Sensor Network Deployment Using Stochastic Optimization Techniques - A Comparative Study</i></p> <p>Dina Deif and Yasser Gadallah (The American University in Cairo, Egypt)</p> <p>[1570212594]</p>

### Poster Paper Session A

Date	December 16, 2015
Session time	Wednesday, 03:30pm
Location	Exhibition Space
Session Chair(s)	Dr. Mohamed Sarrab (Sultan Qaboos University & Oman, Oman)

<p><i>Wideband Printed Monopole VHF Antenna</i></p> <p>Mary Abraham (Naval Physical and Oceanographic Laboratory, Kochi, India); Sona (NPOL, Kochi, India)</p> <p>[1570205937]</p>
<p><i>A Comparative Study of Cache Performance for Embedded Applications</i></p> <p>B. Shameedha Begum (National Institute of Technology Tiruchirappalli, India); Ramasubramanian Natarajan (National Institute of Technology, Trichy, India)</p> <p>[1570215750]</p>
<p><i>A Novel Method for Bleeding Detection in Wireless Capsule Endoscopic Images</i></p> <p>Varun P. Gopi and Dilna C (Government Engineering College Wayanad, India)</p> <p>[1570216532]</p>
<p><i>A Review on Noise Estimation Methods in Multi-coil MRI</i></p> <p>Soumya V, Abraham Varghese and Neetha N (Adi Shankara Institute of Engineering and Technology, Kalady, India)</p> <p>[1570218899]</p>
<p><i>Fine Tuning Network MTU for HPC Cluster: Correlating MTU with PCIe Parameters and HCA Architecture</i></p> <p>Kedar Kulkarni, Shreeya Badhe and Geetanjali Gadre (C-DAC, India)</p> <p>[1570219195]</p>

*An Improved Feature Extraction Method Based on DWT and 2DSubXPCA Methods*

Rajeshwari Devi, D. V. (BMS College of Engineering and K. S. Institute of Technology, India); Narasimha Rao K (BMS College of Engineering, India)

[1570220791]

*Low Cost High Voltage Battery String Monitoring System*

Prateek Jain and Mandeep Singh (Thapar University, India); Rajeev Khurana (Keysight Technologies, India)

[1570222258]

*A Robust Viewing Angle Independent Hand Gesture Recognition System*

Gaurab Baruah (Gauhati University, India); Anjan Kumar Talukdar (Guahati University, India); Kandarpa Kumar Sarma (Gauhati University ; Indian Institute of Technology Guwahati, India)

[1570223054]

*Predictive Model for Transferring Stroke In-Patients to Intensive Care Unit*

Nawal Alotaibi and Sreela Sasi (Gannon University, USA)

[1570223797]

*A Person Identification System Combining Recognition of Face and Lip-Read Passwords*

Radha Natarajan (Anna University ; SSN College of engg, India); Nayeemulla Khan (Vellore Institute of TechnologyChennai, India); Shahinaa A (SSN College of Engineering, India)

[1570226626]

## S4: CoCoNet-S4: Computer Vision, Image Processing, Machine Learning and Pattern Recognition (Regular Papers)

Date	December 17, 2015
Session time	Thursday, 01:30pm
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Asharaf S (IITMK, India), Dr. Jyothisha J Nair (Amrita University, India)

<p><i>Spoken Word Identification for Malayalam Using Artificial Neural Network</i></p> <p>Maya Moneykumar (Indian Institute of Information Technology and Management ; Indian Institute of Information Technology and Management, India); Shery Elizabeth (IIITM-K, Technopark, Trivandrum, India)</p> <p>[1570216081]</p>
<p><i>Automatic Detection of Telugu Single and Multi-Character Text Blocks in Handwritten Words</i></p> <p>Shobha Rani, N (Amrita Vishwa Vidyapeetham; Maharaja Research Foundation, India); Vasudev T (Maharaja Institute of Technology, India)</p> <p>[1570216732]</p>
<p><i>HMDSAD: Hindi Multi-Domain Sentiment Aware Dictionary</i></p> <p>Vandana Jha, Savitha R and Sudhashri Hebbar (UVCE, India); P Deepa Shenoy and Venugopal Kuppanna Rajuk (University Visvesvaraya College of Engineering, India)</p> <p>[1570215630]</p>
<p><i>Performance Evaluation of Multi-Focus Image Fusion Techniques</i></p> <p>Gottipati Madhuri (JNTUK, India); Hima Bindu (QIS CET, India)</p> <p>1570213858</p>
<p><i>Random Sample Measurement and Reconstruction of Medical Image Signal Using Compressive Sensing</i></p> <p>Lakshminarayana M (VTU, Belgaum, India); Mrinal Sarvagya (REVA University, Bangalore, India)</p> <p>[1570216626]</p>
<p><i>Edge Detection Technique Used for Identification of Cracks on Vertical Walls of the Building</i></p> <p>Jitesh J. Dhule, Sudhanshu S. Gonge and Neelam B. Dhurpate (Savitribai Phule Pune University ; KJ's Trinity College of Engineering and Research Pune., India); Gauri M. Kandalkar (KJ's Educational Institute, Trinity Polytechnic. Pune., India)</p> <p>[1570170277]</p>
<p><i>A Fuzzy Classifier Using Continuous Automata</i></p> <p>Jerry Zachariah and Abdul Nizar (College of Engineering Trivandrum, India)</p> <p>[1570213441]</p>
<p><i>FPGA Implementation of Learning for Online System Identification</i></p> <p>Ravikant Biradar (INDIA ; PESIT, India); Abhishek Chatterjee (PES Centre for Intelligent Systems, PESIT, India); Koshy George (PES Institute of Technology ; PES Centre for Intelligent Systems, India); Prabhakar Mishra (PES Institute of Technology, Bangalore ; PES Centre for Intelligent Systems, India)</p> <p>[1570221410]</p>
<p><i>Quantum Walk Based Genetic Algorithm for 0-1 Quadratic Knapsack Problem</i></p> <p>Pitchai Arish and Reddy A v (National Institute of Technology Tiruchirappalli, India); Savarimuthu Nickolas (National Institute of Technology, Tiruchirappalli, India)</p> <p>1570213794</p>

*Rethinking JavaScript Loops as Combinators*

Prashant Singh and Rejo Mathew (SVKMS NMIMS MPSTME, India); Veerdhwaj Singh (SVKMS NMIMS MPSTME, Mumbai, India)

[1570217473]

**S5: CoCoNet-S5: Adaptive Systems and Signal Processing (Regular Papers)**

Date	December 17, 2015
Session time	Thursday, 04:00pm
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Raksha Upadhyay (IET DAVV Indore, India)

*Uplink One-tone Filtered Multitone Modulation Transmission for Machine Type Communications (invited paper)*

Guanping Lu (Shanghai Jiaotong University, P.R. China); Jinsong Wu (Universidad de Chile, Chile); Jun Wang (Tsinghua University, Puerto Rico)

[1570230465]

*Regression Based Prediction Algorithm for Remote Controlling of IoT Based Applications*

Satyavrat Wagle (Vishwakarma Institute of Technology, India); Tejas Sathe (University of Pune, India); Anand Gaikawari (Pune University, India); Gandhar Vamburkar (University of Pune, India)

[1570215788]

*Aggregate Interference From White Space Devices Into Digital Television Systems*

Mauro Lima and Jose Mauro Fortes (Pontifical Catholic University of Rio de Janeiro, Brazil)

[1570165187]

*FPGA Implementation of Reconfigurable Frequency Demodulators*

Senthil Kumar E (Karunya University, India); Santosh Kumar (PES Institute of Technology, India); Manikandan J (PES University (PESU), India); Agrawal VK (Director- CORI, PESIT, India)

[1570215680]

*Multiple Mixer Based Multi Cycle Layer Composition for Power Efficient Display Pipeline*

Shubham Pateria, Aseem Saxena and Krishna Jha (Samsung R ; D Institute India, Bangalore, India)

[1570216357]

*A Two Step Hybrid Method for Loop Topology Estimation of Two Wire and Power Lines*

Ravishankar Sankaranarayanan (RV College of Engineering, India); Arjun Ravishankar (Qualcomm Technologies Inc., USA)

[1570210845]

## S6: CoCoNet-S6: Cloud Computing/Wireless Communications (Short Papers)

Date	December 17, 2015
Session time	Thursday, 01:30pm
Room	Cochin Hall
Talk time per paper	12
Session Chair(s)	Dr. Olanrewaju B Wojuola (University of KwaZul-Natal, South Africa)

<p><i>IGSK: Index Generation on Split Keyword for Search Over Cloud Data</i></p> <p>Raghavendra S, Girish S and Geeta Mara (Bangalore University, India); Rajkumar Buyya (University of Melbourne, Australia); Venugopal Kuppappa Rajuk (University Visvesvaraya College of Engineering, India); Sitharama Iyengar (Florida International University, USA); LM Patnaik (Indian Institute of Science, India)</p> <p>[1570215827]</p>
<p><i>Analysis of Ring Topology for NoC Architecture</i></p> <p>Avinash Kamath (National Institute of Technology Karnataka, India); Gaurangi Saxena (National Institute of Technology Karnataka, Surathkal, India); Basavaraj Talawar (National Institute of Technology Karnataka, India)</p> <p>[1570214132]</p>
<p><i>Performance of Spatial-Modulation and Spatial-Multiplexing Systems Over Weibull Fading Channel</i></p> <p>Goutham Simha G D and Shriharsha Koila (National Institute of Technology Karnataka, India); Neha N (National Institute of Technology Karnataka, Surathkal, India); Udupi Sripathi (NITK, Surathkal, India)</p> <p>[1570213665]</p>
<p><i>Modeling and Predicting Fault Tolerance in Vehicular Cloud Computing</i></p> <p>Puya Ghazizadeh (Millersville University, USA); Ravi Mukkamala (Old Dominion University, USA); Reza Fathi (University of Houston, USA)</p> <p>[1570206187]</p>
<p><i>A Comprehensive Survey of Fault Tolerance Techniques in Cloud Computing</i></p> <p>Himanshu Agarwal and Anju Sharma (Thapar University, India)</p> <p>[1570213511]</p>
<p><i>Determination of Task Scheduling Mechanism Using Computational Intelligence in Cloud Computing</i></p> <p>Neenu George (Mahatma Gandhi University, India); Chandra Sekaran K (National Institute of Technology Karnataka, India); Binu A (Cochin University of Science and Technology, Cochin ; Rajagiri School of Science and Technology, Cochin, India)</p> <p>[1570176903]</p>
<p><i>Missing QoS-Values Predictions Using Neural Networks for Cloud Computing Environments</i></p> <p>Sunil Kumar, Manish Kumar Pandey, Karthikeyan Subbiah and Abhigyan Nath (Banaras Hindu University, India)</p> <p>[1570216744]</p>
<p><i>SA-TCP: A Novel Approach to Mitigate TCP Incast in Data Center Networks</i></p> <p>Yongmao Ren (Computer Network Information Center of Chinese Academy of Sciences, P.R. China); Jun Li and Guodong Wang (Computer Network Information Center, Chinese Academy of Sciences, P.R. China); Lingling Li (Computer Network Information Center, Chinese Academy of Sciences, P.R. China); Shanshan Shi (Computer Network Information Center, Chinese Academy of Sciences; University of Chinese Academy of Sciences, P.R. China)</p> <p>[1570208187]</p>

<p><i>Policy Based Role Centric Attribute Based Access Control Model (Policy RC ABAC)</i></p> <p>Vijayaraghavan Varadharajan (Infosys Limited, India); Alon Amid (Intern, Infosys Limited, Israel); Sudhanshu Rai (Infosys Ltd, India)</p> <p>[1570215928]</p>
<p><i>Computation of Performance Parameters of ONU Placement Algorithms for FiWi Network</i></p> <p>Uma Rathore Bhatt (IET DAVV Indore, India); Sada Hirve (IET, DAVV, India); Nitin Chauhan (IET, DAVV, Indore, India); Raksha Upadhyay (IET DAVV Indore, India)</p> <p>[1570210045]</p>
<p><i>Reliability Analysis and Evaluation for Various Protection Schemes for FiWi Networks</i></p> <p>Uma Rathore Bhatt (Devi Ahilaya University, India); Tapes Sarsodia and Aashu Kori (Institute of Engineering ; Technology, Devi Ahilya University, Indore, India); Raksha Upadhyay (IET DAVV Indore, India)</p> <p>[1570213098]</p>
<p><i>Detection and Prevention of DDOS Attack in WSN for AODV and DSR Using Battery Drain</i></p> <p>Raksha Upadhyay, Salman Khan, Harendra Tripathi and Uma Rathore Bhatt (IET DAVV Indore, India)</p> <p>[1570206127]</p>
<p><i>A Security Context Migration Framework for Virtual Machine Migration</i></p> <p>Santosh Kumar Majhi (Veer Surendra Sai University of Technology, India); Sunil Dhal (Sri Sri University, Cuttack, India)</p> <p>[1570217369]</p>
<p><i>TrackMe - A Low Power Location Tracking System Using Smart Phone Sensors</i></p> <p>Subhanjan Saha and Samrat Chatterjee (Kalyani Government Engineering College, India); Amit Kumar Gupta (Kalyani Government Engineering College ; University of Kalyani, India); Indrajit Bhattacharya and Tamal Mondal (Kalyani Government Engineering College, India)</p> <p>[1570216901]</p>
<p><i>Latin Matrix Based Channel and Backoff Slot Assignment Strategy for MRMC WMN</i></p> <p>Nitya N Kulkarni (B. V. B College of Engineering and Technology, India); Jayalakshmi Naragund (V T U Belgaum, India); Rajeshwari M. Banakar (BVBCET, India)</p> <p>[1570215367]</p>
<p><i>FIR3- A Fuzzy Inference Based Reliable Replica Replacement Strategy for Cloud Data Centre</i></p> <p>D. Vijaya Kumar (National Engineering Coleege, India); Srinivasagan G. and Sabarimuthu Kumar (National Engineering College, India)</p> <p>[1570214674]</p>

## Poster Paper Session B

Date	December 17, 2015
Session time	Thursday, 04:00pm
Location	Exhibition Space
Session Chair(s)	Dr. Uma Rathore Bhatt (IET DAVV Indore, India)

<p><i>Stable Route AODV Routing Protocol for Mobile Wireless Sensor Networks</i></p> <p>Rajesh M (Amrita School of Engineering ; Amrita Vishwa Vidyapeetham Bengaluru Campus, India); Vanishree K (Amrita School of Engineering, Amrita Vishwa Vidyapeetham Bengaluru Campus, India); Sudarshan Tsb (Amrita Vishwa Vidyapeetham University ; School of Engineering, India)</p> <p>[1570212773]</p>
<p><i>Location Based Mobile Advertising Framework for Commuters</i></p> <p>John Mathai Reji, Gobi Ramasamy and Sathya Purusothaman (National Institute of Technology, Tiruchirappalli, India); Kirubakaran Ezra (Bharat Heavy Electricals Limited, India)</p> <p>[1570213847]</p>
<p><i>Dynamic Carrier Aggregation in 5G Network Scenario</i></p> <p>Vidhya R (K. S. School of Engineering and Management, India); Karthik P (VTU ; K. S. School of Engineering and Management, India)</p> <p>[1570213952]</p>
<p><i>Efficient Wireless Network Services for Civil Structure Health Monitoring</i></p> <p>Jyotsna Kulkarni (BITS Pilani K. K. Birla Goa Campus, India); Neena Goveas (BITS Pilani K K Birla Goa Campus, India); Anupama K. r (BITS Pilani K K Birla, Goa Campus, India)</p> <p>[1570213964]</p>
<p><i>A Green Energy Optimized Scheduling Algorithm for Cloud Data Centers</i></p> <p>Sanjeevi Pandiyan (Research Associate, India); P Viswanathan (Image Processing ; VIT University, India)</p> <p>[1570214812]</p>
<p><i>An Attempt to Transfer Information Using Light as a Medium and Camera as Receiver</i></p> <p>Lakshmi Shree K (Jain University, India); Lohit Penubaku (Reva University, India)</p> <p>[1570215324]</p>
<p><i>Mobile Secure Data Protection Using eMMC RPMB Partition</i></p> <p>Anil Kumar Reddy H (Samsung R;D Institute India Bangalore Pvt Ltd, India); Periyasamy Paramasivam (Samsung R;D Bangalore, India); Prakash Babu Vemula (Samsung R;D Institute India Bangalore Pvt Ltd, India)</p> <p>[1570215818]</p>
<p><i>Layering Technique for Visualizing Social Networks Under Force Directed Placement</i></p> <p>Deepak KL (Kerala University, India); Subu Surendran (SCT College of Engineering, India)</p> <p>[1570215943]</p>
<p><i>A Novel BS Power Saving Scheme with Virtual Coverage Management for Green Heterogeneous LTE Networks</i></p> <p>Jun Yeop Kim (Changwon National University, Korea); Junsu Kim (Korea Polytechnic University, Korea); Chang Soon Kang (Changwon National University, Korea)</p> <p>[1570219525]</p>

<p><i>An Empirical Analysis of Mobile Learning (M-learning) Awareness and Acceptance in Higher Education</i></p> <p>Mohamed Sarrab (Sultan Qaboos University ; Oman, Oman); Hafedh Al-Shihi (Sultan Qaboos University, Oman); Asharul Islam Khan (SQU, Oman)</p> <p>[1570220140]</p>
<p><i>Hardware Implementataion of Key Functionalities of NIPS for High Speed Network</i></p> <p>Nagesh Vaidya and Parikshit Godbole (C-DAC, India)</p> <p>[1570220593]</p>
<p><i>Capturing and Characterizing Network Actions of Mobile Applications for Behavior Consistency</i></p> <p>Gaoxiang Wu, Songjie Wei and Na Luo (Nanjing University of Science and Technology, P.R. China); Ling Yang (Nanjing University of Science ; Technology, P.R. China)</p> <p>[1570220760]</p>
<p><i>Evaluation of Channel Assignment Performance Prediction Techniques in Random Wireless Mesh Networks</i></p> <p>Pavan Kumar Reddy M (IIT Hyderabad, India); Srikant Manas Kala (IIT HYDERABAD, India); Bheemarjuna Reddy Tamma (IIT Hyderabad, India)</p> <p>[1570220921]</p>
<p><i>Energy Efficient Timing-sync Protocol for SensorNetwork</i></p> <p>Gautam Seth (Indian Institute of Information Technology Allahabad, India); A Harisha (Sahyadri College of Engineering ; Mangement Manglore, India)</p> <p>[1570221434]</p>

## S7: CoCoNet-S7: Image and Signal Processing, Machine Learning and Pattern Recognition (Short Papers)

Date	December 18, 2015
Session time	Friday, 01:30pm
Room	Cochin Hall
Talk time per paper	12
Session Chair(s)	Dr. Suchit Purohit (Gujarat University, India)

<p><i>Performance Analysis of a PLC System Over Log-Normal Fading Channel and Impulsive Noise</i></p> <p>Manan Jani and Parul Garg (Netaji Subhas Institute of Technology, New Delhi, India); Ankur Bansal (Netaji Subhas Institute of Technology, University of Delhi, New Delhi, India)</p> <p>[1570207511]</p>
<p><i>A 1x2 Array Circularly Polarised Microstrip Antenna with a High Gain for RFID Applications</i></p> <p>Deepak C. Karia and Bhushan Bhimrao Dhengale (University of Mumbai, India); Siddhant Goswami (Sardar Patel Institute of Technology, Mumbai, India)</p> <p>[1570216851]</p>
<p><i>Greedy Routing Performance Analysis of Network Embedded in Hyperbolic and Euclidean Space</i></p> <p>Sheikh Nasrullah (Central University of Kashmir, India); Shirshu Varma (Indian Institute of Information Technology Allahabad, India)</p> <p>[1570214680]</p>
<p><i>Revealing Viber Communication Patterns to Assess Protocol Vulnerability</i></p> <p>Radek Marik (The Czech Technical University in Prague, Czech Republic); Pavel Bezpalec, Jan Kucerak and Lukas Kencl (Czech Technical University in Prague, Czech Republic), [1570212288]</p>



<p><i>PDF methodology of analysis of L branch Equal Gain Combiner with Carrier Phase Error and CCI over Nakagami-m Fading</i></p> <p>G Aruna (Indian Institute of Information Technology Guwahati, India)</p> <p>[1570224578]</p>
<p><i>CMFB for Spectrum Detection and Utilization in CR Applications</i></p> <p>Chris Prema (Deemed ; Indian Institute of Space Science and Technology, Trivandrum, India); Dara Rani (Indian Institute of Space Science and Technology, India)</p> <p>[1570216340]</p>
<p><i>Scaling Web Services by Offloading Expensive Computation to a Many-core GPGPU Using CUDA</i></p> <p>Gaurav Gupta (Indian Institute of Technology Delhi, India)</p> <p>[1570206371]</p>
<p><i>Hardware Design for Multiplicative Modular Inverse Based on Table Look Up Technique</i></p> <p>Satyanarayana Vollala and B. Shameedha Begum (National Institute of Technology Tiruchirappalli, India); Ramasubramanian Natarajan (National Institute of Technology, Trichy, India)</p> <p>[1570215967]</p>
<p><i>Automatic, Reference-Free and Conformity-Oriented Evaluation and Interpretation of CT-Models</i></p> <p>Jelena Prša (Technical University of Munich, Germany); Rusheel Jain, Franz Irlinger and Tim C Lueth (Technische Universität München, Germany)</p> <p>[1570206373]</p>
<p><i>Sentiment Analysis of Code - Mix Script</i></p> <p>Shashank Sharma, Pykl Srinivas and Rakesh Chandra Balabantaray (IIIT Bhubaneswar, India)</p> <p>[1570215997]</p>
<p><i>An Alternative Approach for Risk Assessment in Scrum</i></p> <p>Hycinta Andrat (St. Francis Institute of Technology, India); Shree Jaswal (SFIT, India)</p> <p>[1570215804]</p>
<p><i>Decision Tree Classifier Using Theme Based Partitioning</i></p> <p>Vijayakumar Kadappa and Shankru Guggari (BMS College of Engineering, India); Atul Negi (University of Hyderabad, India)</p> <p>[1570197209]</p>
<p><i>Identification of Relations From IndoWordNet for Indian Languages Using Support Vector Machine</i></p> <p>Megha Garg and Bhaskar Sinha (DEITY India, India); Somnath Chandra (DEITY, India)</p> <p>[1570213817]</p>
<p><i>Fingerprinting Based Detection System for Identifying Plagiarism in Malayalam Text Documents</i></p> <p>Sindhu L (College of Engineering Poonjar, India); Sumam Mary Idicula (Cochin University, India)</p> <p>[1570216055]</p>
<p><i>Speech Disabilities in Adults and the Suitable Speech Recognition Software Tools - A Review</i></p> <p>Balaji V (Christ University, India); Gurupadappa Sadashivappa (RVCE, India)</p> <p>[1570213633]</p>
<p><i>Detection of Breast Cancer with Hybrid Image Segmentation and Otsu's Thresholding</i></p> <p>Thatha Lakshmi Venkata Naga Swetha (JNTUK, India); Hima Bindu (QISCET, India)</p> <p>[1570213603]</p>

## CoCoNet-S8: Network Security and Privacy (Regular Papers)

Date	December 18, 2015
Session time	Thursday, 01:30pm
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Uma Rathore Bhatt (IET DAVV Indore, India)

<p><i>On the Combined Use of Sketches and CUSUM for Anomaly Detection</i></p> <p>Christian Callegari, Stefano Giordano and Michele Pagano (University of Pisa, Italy)</p> <p>[1570212422]</p>
<p><i>Cyber Security Attacks on Network with Transition Mechanisms</i></p> <p>Shaneel Narayan (Unitec New Zealand, New Zealand); Salman Ishrar, Ruchinav Gupta, Avinesh Kumar and Ziafil Khan (Unitec Institute of Technology, New Zealand)</p> <p>[1570219463]</p>
<p><i>Cyber Attack Thread: A Control-flow Based Approach to Deconstruct and Mitigate Cyber Threats</i></p> <p>Koustav Sadhukhan (Defence Research ; Development Organization, Ministry of Defence, GOI, India); Arvind Mallari Rao (Defense Research ; Development Organisation, Ministry of Defence, GOI, India); Tarun Yadav (Scientific Analysis Group, Defence Research ; Development Organisation, Ministry of Defence, GOI, India)</p> <p>[1570215041]</p>
<p><i>Cyber Resilience of Software Defined Mobile Networks</i></p> <p>Filipo Sharevski (Purdue University, Macedonia, the former Yugoslav Republic of)</p> <p>[1570214364]</p>
<p><i>Unusual Internet Traffic Detection At Network Edge</i></p> <p>Neha Bansal (IGDTUW, India); Rishabh Kaushal (Indira Gandhi Delhi Technical University for Women, India)</p> <p>[1570216925]</p>
<p><i>Analyzing the Impact of Selfishness on Probabilistic Routing Algorithms in Delay Tolerant Networks</i></p> <p>C Sobin (IIT Roorkee, India)</p> <p>[1570198377]</p>
<p><i>Personal Authentication Using Partial Palmprint and Palmvein Images with Image Quality Measures</i></p> <p>Gayathri R Nayar and Anusree Bhaskar (CUSAT, India); Leshmi Satheesh (University of Kerala, India); Parvathy Kumar (Kerala University, India); Aneesh Raghavan Parameswaran (M G University, Kottayam ; Regional Centre IHRD, India)</p> <p>[1570213922]</p>
<p><i>Privacy Preserving Smart Grid Communications by Verifiable Secret Key Sharing</i></p> <p>Antonella Barletta, Christian Callegari, Stefano Giordano, Michele Pagano and Gregorio Procissi (University of Pisa, Italy)</p> <p>[1570212420]</p>
<p><i>A Survey of Security Frameworks Suitable for Distributed Control Systems</i></p> <p>Elena Lisova and Elisabeth Uhlemann (Malardalen University, Sweden); Wilfried Steiner (TTTech Computertechnik AG, Austria); Johan Åkerberg and Mats Björkman (Malardalen University, Sweden)</p> <p>[1570216045]</p>

<p><i>A Distributed Cloud-based Service Recommendation System: Design and Implementation</i></p> <p>Ivan Ganchev and Zhanlin Ji (University of Limerick, Ireland); Máirtín O'Droma (University of Limerick ; Director, Telecommunications Research Centre, University of Limerick, Ireland)</p> <p>[1570216159]</p>
<p><i>Computing Multi-Cloud Resource Provisioning with Aneka: A Unified and Integrated Utilisation of Microsoft Azure and Amazon EC2 Instances (invited paper)</i></p> <p>Rajkumar Buyya (University of Melbourne, Australia); Diana Barreto (The University of Melbourne, Australia)</p> <p>[1570234578]</p>

### CoCoNet-S9: MANET, WANET, WSN and Social Networks (Short Papers)

Date	December 19, 2015
Session time	Saturday, 09:30am
Room	Malabar Hall
Talk time per paper	12
Session Chair(s)	Dr. Sriram Sankaran (Amrita University, India)

<p><i>Review of IEEE 802.22 and IEC 61850 for Real-Time Communication in Smart Grid</i></p> <p>Vasudev Dehalwar and Akhtar Kalam (Victoria University, Australia); Mohan Kolhe (University of Agder, Norway); Aladin Zayegh (Victoria University, Australia)</p> <p>[1570218294]</p>
<p><i>Evaluation of Similarity based Recommender using Fuzzy Inference System</i></p> <p>Sharon J and Dhinesh Babu L D (VIT University, India); Ebin Raj (Vit University, India)</p> <p>[1570215748]</p>
<p><i>A Model Fuzzy Inference System for Online Social Network Analysis</i></p> <p>Ebin Raj (Vit University, India); Dhinesh Babu L D (VIT University, India)</p> <p>[1570206375]</p>
<p><i>Randomized Algorithms for Approximating a Connected Dominating Set in Wireless Sensor Networks</i></p> <p>Akshaye Dhawan, Michelle Tanco and Aaron Yeiser (Ursinus College, USA)</p> <p>[1570215949]</p>
<p><i>Role of Handshaking Packets in Improving Peer to Peer Botnet Detection</i></p> <p>Ritu Rathee (IGDTUW, India); Rishabh Kaushal (Indira Gandhi Delhi Technical University for Women, India)</p> <p>[1570216670]</p>
<p><i>Memory Optimized Lifetime Vehicle Data Acquisition Framework</i></p> <p>Aravindhyan Athavan and Radhika N (Amrita Vishwa Vidyapeetham, India)</p> <p>[1570216676]</p>
<p><i>Automatic Detection of Rumoured Tweets and Finding Its Origin</i></p> <p>Sahana Vp, Alwyn R Pias, Richa Shastri and Shweta Mandloi (NITK, Surathkal, India)</p> <p>[1570213722]</p>

<p><i>Min-O-Mee: A Proximity Based Network Application Leveraging the AllJoyn Framework</i></p> <p>Hatim Lokhandwala (Indian Institute of Technology Hyderabad, India); Srikant Manas Kala (IIT HYDERABAD, India); Bheemarjuna Reddy Tamma (IIT Hyderabad, India)</p> <p>[1570213882]</p>
<p><i>Sandalwood Tree Protection Using Bluetooth Version 4.0</i></p> <p>Varaprasad G (BMSCE, India); Praveenraj Pattar (BVB College of Engineering and Technology, India); Santhosh Hebbar and Rajeshwari Madli (B M S College of Engineering, Bengaluru, India)</p> <p>[1570214217]</p>
<p><i>Performance Evaluation of Cooperative Communication in WBANs with Maximal Ratio Combining</i></p> <p>Princy Paul (NIT, Calicut, India); Babu A v (National Institute of Technology Calicut, India)</p> <p>[1570190903]</p>
<p><i>Decision Tree Based Data Classification for Marine Wireless Communication</i></p> <p>Retsy Retsy (Cochin University of Science and Technology, India); Jitha Nair (Indian Institute of Information Technology and Management-Kerala (IIITM-K), India); Sherly Elizabeth (IIITM-K, Technopark, Trivandrum, India)</p> <p>[1570216640]</p>

### CoCoNet-S10– Symposium on Emerging Topics in Computing and Communications (SETCAC'15) (Regular Papers)

Date	December 19, 2015
Session time	Saturday, 09:30am
Room	Travancore Hall
Talk time per paper	15
Session Chair(s)	Dr. Christian Callegari (University of Pisa, Italy)

<p><i>Pipelined Implementation of High Radix Adaptive CORDIC as a Coprocessor</i></p> <p>Saharsh Oza (National Institute of Technology Karnataka Surathkal, India); Ankit Shah (National Institute of Technology Karnataka Surathkal; Graduate Engineer at ARM Embedded, India); Tarun Thokala (National Institute of Technology Karnataka Surathkal, India); Sumam David (National Institute of Technology Karnataka, India)</p> <p>[1570218842]</p>
<p><i>Electrocardiogram Signal Enhancement Using an Efficient Sign Regressor Error Normalized Variable Step Size Adaptive Algorithm</i></p> <p>Thumbur Gowri (GITAM University, India); P. Rajesh Kumar (Andhra University, India)</p> <p>[1570222134]</p>
<p><i>Cloud Forensic Investigation: A Sneak-Peek Into Acquisition</i></p> <p>Bksp Kumar Raju (BITS Pilani Hyderabad, India); Meera G (Birla Institute of Technology and Science Pilani, India); Geethakumari G (BITS-Pilani, Hyderabad Campus, India)</p> <p>[1570220806]</p>
<p><i>Generalized and Constraint Specific Composite Facial Search Model for Effective Web Image Mining</i></p> <p>Kapil Juneja (IEEE Member, India)</p> <p>[1570220896]</p>

<p><i>Secure and QoS Aware Architecture for Cloud Using Software Defined Networks and Hadoop</i></p> <p>Abhijeet Desai (PESIT, India); Ninikrishna T (CMRIT, Bangalore Visvesvaraya Technological University ; RVCE, Bangalore Visvesvaraya Technological University, India); Nagegowda S (PESIT, India)</p> <p>[1570220500]</p>
<p><i>Secure Transmission of Data by Splitting Image</i></p> <p>Jitha T (University Of Calicut, India); E Sivadasan (University of Calicut, India)</p> <p>[1570220415]</p>

### CoCoNet-S11– Symposium on Emerging Topics in Computing and Communications (SETCAC'15) (Short Papers)

Date	December 19, 2015
Session time	Saturday, 01:30pm
Room	Travancore Hall
Talk time per paper	12
Session Chair(s)	Dr. Rajeev RR (IIITM-K, India)

<p><i>Performance of a STBC-CDMA System in a Fading Channel</i></p> <p>Olanrewaju B Wojuola (University of KwaZulu-Natal, South Africa); Stanley H. Mneney (University of Kwazulu-Natal, South Africa); Viranjay M Srivastava (University of KwaZulu-Natal, Durban ; South Africa, South Africa)</p> <p>[1570220512]</p>
<p><i>A Novel Hybrid MPPT Algorithm Using Linear Extrapolation</i></p> <p>Sivaramakrishnan S (Larsen and Toubro Limited, India)</p> <p>[1570221209]</p>
<p><i>Modeling and Analysis of Routing in IoT Networks</i></p> <p>Sriram Sankaran (Amrita University, India); Ramalingam Sridhar (University at Buffalo, USA)</p> <p>[1570223993]</p>
<p><i>Random Grid Based Visual Cryptography Using a Common Share</i></p> <p>Sruthy Joseph (MG University, India); Ramesh R (Asiet Kalady, India)</p> <p>[1570217127]</p>
<p><i>Automated Cervical Cancer Detection Through RGVF Segmentation and SVM Classification</i></p> <p>Sajeena A (MG University, India); Jereesh S (NIT CALICUT, India)</p> <p>[1570220757]</p>
<p><i>Application of Residue Number System in the Generation of PN-Sequences for CDMA Systems</i></p> <p>Jilu James (Mahatma Gandhi University, India); Ameenudeen Pe (National Institute Of Technology Calicut, India); Sreejith Vasu (MG University, India); Vipin V (Choondacherry ; St Josephs College of Engineering and Technology, India)</p> <p>[1570220481]</p>
<p><i>An Innovative Lemmatization Technique for Bangla Nouns by Using Longest Suffix Stripping Methodology in Decreasing Order</i></p> <p>Alok Pal (College of Engineering ; Management, Kolaghat, India); Niladri Sekhar Dash (Indian Statistical Institute ; Chief Editor, Journal of Advanced Linguistic Studies, India); Diganta Saha (Jadavpur University, India), [1570217403]</p>

<p><i>Dense Dielectric Patch Antenna with Parasitic Elements for Wireless Application</i></p> <p>Bindhu S (Fisat, MG University, India); Basil Jeemon (Fisat, India); Manu CM (Fisat, MG University, India)</p> <p>[1570219387]</p>
<p><i>Platform LMDPRO: Contribution to the Quality, the Performance and the Follow-Up of the Learners in Higher Education in Senegal</i></p> <p>Alassane Diop (University Alioune Diop of Bambey, Senegal)</p> <p>[1570219389]</p>
<p><i>A Low Area &amp; low power SOC design for the Baseband Demodulator of an Indoor Local Positioning System</i></p> <p>Sudhir Rao Rupanagudi, Varsha Bhat, Bhavana N, Anirudh Venkatesan and Supriya S (WorldServe Education, India); Shushrutha Raj N and Navyashree C (SJBIT, India); Ashuli Jairaj, Renu Devi and Shalini R (APSCE, India)</p> <p>[1570224143]</p>

### **CoCoNet-S12– Symposium on Machine Learning Algorithms and Applications (MLAA'15) (Regular and Short Papers)**

Date	December 19, 2015
Session time	Saturday, 09:30am
Room	Cochin Hall
Talk time per paper	15
Session Chair(s)	Dr. Kalavathi Palanisamy (Gandhigram Rural Institute - Deemed University, India) Dr. Karthik P (VTU & K. S. School of Engineering and Management, India)

<p><i>Near-Duplicate Web Page Detection by Enhanced TDW and simHash Technique</i></p> <p>Arun R (MG University, India); Sumesh M s (Adi Shankara Institute of Engineering and Technology, India)</p> <p>[1570222136]</p>
<p><i>Automatic Plant Species Recognition Technique using Machine learning approaches</i></p> <p>Suchit Purohit (Gujarat University, India); Savita R Gandhi (Department of Computer Science, Gujarat University, India); Ronak Viroja and Naina Chaudhry (Tata Consultancy Services, India)</p> <p>[1570223578]</p>
<p><i>A Novel Approach For Generating Bus Schedules Using Crowd Sourcing</i></p> <p>Vidul AP (Amrita School Of Engineering, India); Harry John and Harikumar A (Amrita School of Engineering, India); Indulekha T S (Amrita Vishwa Vidya Peetham, Amritapuri, Kollam, India)</p> <p>[1570225101]</p>
<p><i>FORESIGHT - A Novel Design of Travel Aid for the Blind</i></p> <p>Ashwin Baliga and Veena Hegde (BMS College of Engineering, India); Rahul Sharma (BMS College of Engineering, Bangalore, India); Rainer D'Souza, Siddharth Chakravorty and Gautam Ramdas (BMS College of Engineering, India)</p> <p>[1570225260]</p>
<p><i>Reinforcement Learning for Taxi-out time prediction</i></p> <p>Elizabeth George (Mumbai University, India); Shamsudin Khan (University of Mumbai, India)</p> <p>[1570226503]</p>

<p><i>Affinity Based Seeded Region Growing Algorithm For Medical Image Segmentation</i></p> <p>Nagaraju S (ABV-Indian Institute Of Information Technology and Management, Gwalior, India); Manish Kashyap (IIITM Gwalior, India); Sandeep Kumar and Mahua Bhattacharya (Indian Institute Of Information Technology and Management, Gwalior, India)</p> <p>[1570226517]</p>
<p><i>Minimizing the False Alarm Probability of Speaker Verification Systems for Mimicked Speech</i></p> <p>Kuruvachan K George and Santhosh C Kumar (Amrita Vishwa Vidyapeetham, India); Ashish Panda (Tata Consultancy Services, India); Ramachandran K I, Arun Das K and Veni S (Amrita Vishwa Vidyapeetham, India)</p> <p>[1570226527]</p>
<p><i>Malayalam Word Sense Disambiguation using YAMCHA</i></p> <p>Junaida M K and Jisha Jayan (IIITM-K, India); Sherly Elizabeth (IIITM-K, Technopark, Trivandrum, India)</p> <p>[1570226533]</p>
<p><i>Prediction of protein cellular localization site by using data mining techniques</i></p> <p>Bhanu Priya and Amit Chhabra (Guru Nanak Dev University, India)</p> <p>[1570226539]</p>
<p><i>Genetic Algorithms based Enhanced K Strange Points Clustering Algorithm</i></p> <p>Terence Johnson (AMET University, India); Santosh Singh (Thakur College of Science, India)</p> <p>[1570226551]</p>
<p><i>Protection of Confidential Color Image Information Based on Reversible Data Hiding Technique</i></p> <p>Anitha Devi (SSAHE; SSIT, India); K B Shiva Kumar (Faculty, India)</p> <p>[1570226569]</p>
<p><i>A Novel Method for Discovery of Objects</i></p> <p>Sonia George (FISAT, India)</p> <p>[1570226614]</p>

**CoCoNet-S13– Symposium on Multimedia, Visualization and Human Computer Interaction (SMVH'15) (Regular and Short Papers)**

Date	December 19, 2015
Session time	Saturday, 01:30pm
Room	Cochin Hall
Talk time per paper	15
Session Chair(s)	Dr. Sudhanshu S. Gonge (University of Pune, Pune, India)

<p><i>Multilingual Speech to Speech MT Based Chat System</i></p> <p>Arun Gopi (Centre for Development of Advanced Computing, India); Shobana Devi (Centre for Development of Avanced Computing, India); Jose Stephen and Sajini T (Centre for Development of Advanced Computing, India); Bhadrans K (CDAC, India)</p> <p>[1570219547]</p>
<p><i>Randomly Hiding Secret Data Using Dynamic Programming for Image Steganography</i></p> <p>Pulkit Khandelwal, Neha Bisht and Thanikaiselvan V (VIT University, India)</p> <p>[1570222544]</p>

<p><i>Classification of Patterns on High Resolution SAR Images</i></p> <p>Bindhya Badran and Jyothisha J Nair (Amrita University, India)</p> <p>[1570214471]</p>
<p><i>A Novel MF-LDTP Approach for Contactless Palm Vein Recognition</i></p> <p>Roshni Rahul, Merin Cherian and Manu Mohan (FISAT, India)</p> <p>[1570223999]</p>
<p><i>A Novel Video Processing Based Smart Helmet for Rear Vehicle Intimation &amp; Collision Avoidance</i></p> <p>Sudhir Rao Rupanagudi, Sumukha Bharadwaj, Varsha Bhat, Eshwari S, Shreyas S, Aparna S, Anirudh Venkatesan and Amrit Shandilya (WorldServe Education, India); Vikram Subrahmanya and Fathima Jabeen (KSSEM, India)</p> <p>[1570224136]</p>
<p><i>Texture Based Multi-View Face Recognition in Noisy Images Using BRINE Feature</i></p> <p>Jain stoble B (M. G, India); Sreeraj M (Cochin University of Science and Technology, India)</p> <p>[1570221941]</p>
<p><i>Image Retrieval Using Bipartite Reiterative Algorithm</i></p> <p>Deepa Joseph and Ajai Mathew (Amal Jyothi College of Engineering, India)</p> <p>[1570218617]</p>
<p><i>A Novel Approach for Extracting Feature From EEG Signal for Mental Task Classification</i></p> <p>Akshansh Gupta (Jawaharlal Nehru University, India); Jyoti Singh Kirar (Jnu, India)</p> <p>[1570220618]</p>