

SPCOM Day 1 13/06/16											
Conference Opening 8:45am-9:00am											
Plenary by Prof. Rama Chellappa Deep Learning Networks: The Triveni Sangam of Signal Processing, Pattern Recognition and Computer Vision 9:00am-10:00am											
Session 1 [Main Auditorium]			Session 2 [Hall A]			Session 3 [Hall B]			Session 4 [Hall C]		
Audio and Speech Processing 1			Forensics and Privacy			RF Systems			Image and Video Processing 1		
10:10-10:40	Hynek Hermansky	Dealing with Unwanted Information in Speech	10:10-10:40	Lalitha Sankar	Hypothesis Testing in the High Privacy Limit	10:20-10:40	Keerthan P; Ritesh Kumar; KJ Vinoy	Wide-Band Real-Time Frequency Measurement Using Compressive Receiver	10:20-10:40	Ragina Ghutke	Temporal Video Frame Interpolation Using New Cubic Motion Compensation Technique
10:40-11:00	Karthik Pandia Durai; Malarvizhi Sundaresan Saranya; Hema A Murthy	A Fast Query-by-Example Spoken Term Detection for Zero Resource Languages	10:40-11:00	Anirban Bose; Santi Prasad Maty	Improved Spread Spectrum Compressive Image Watermark Detection with Distortion Minimization	10:40-11:00	Nishant Shukla	A Miniaturized Pre Select Filter Based on Quarter-cut Dielectric Resonator	10:40-11:00	Anu Shaju Areeckal; Sumam David; Michel Kocher; Nikil Jayasheelan; Jagannath Kamath	Fully Automated Radiogrammetric Measurement of Third Metacarpal Bone From Hand Radiograph
11:00-11:20	Vinay Kumar Mittal; Anil Kumar Vuppala	Changes in Shout Features in Automatically Detected Vowel Regions	11:00-11:20	Parmeshwar Birajadar; Varun Patidar; Pushkaraj Shivkar; Shubham Gupta; Vikram M. Gadre	Enhancement of Latent Fingerprints on Banknotes Using Monogenic Wavelets	11:00-11:20	Shreya Singh; Mohammad Hashmi	Exploring Fractional Order Elements for Single and Dual Band Impedance Matching for RF Applications	11:00-11:20	Sanjay Ghosh; Kunal Narayan Chaudhury	Fast and High-Quality Bilateral Filtering Using Gauss-Chebyshev Approximation
Coffee 11:20am-11:40am											
Cooperative Communication 1			Algorithms, Neural Nets, and Machine Learning for Signal Processing 1			Adaptive Signal Processing			Bio-Signal Processing 1		
11:40-12:10	Krishna P Jagannathan	Efficient CSMA Based on Kikuchi Approximation	11:40-12:10	Michele A Wigger	Testing Against Independence with Multiple Decision Centers	11:50-12:10	Jolly Rajendran; GA Shanmugha Sundaram	Phased Antenna Array Design for L-band Aerospace Detection of Radiolytic Components	11:50-12:10	Aditya Gaonkar P; Bhuthesh R; Dipanjan Gope; Prasanta Kumar Ghosh	Robust Real-Time Pulse Rate Estimation From Facial Video Using Sparse Spectral Peak Tracking
12:10-12:30	Suneel Yadav; Ronshee Chawla; Prabhat Kumar Upadhyay	Outage Performance and Location Optimization for Traffic-Aware Two-Way Relaying with Direct Link	12:10-12:30	Kumaresh Krishnan; Nikita Prabhu; Venkatesh Babu R	ARRNET: Action Recognition Through Recurrent Neural Networks	12:10-12:30	Shashank Agashe; Gaurav Kumar	A Method of Spatial Focus Control Using Electro-Optics for Camera Lens Systems	12:10-12:30	Chinmayee Dora; Pradyut Biswal	Robust ECG Artifact Removal From EEG Using Continuous Wavelet Transformation and Linear Regression
12:30-12:50	Tulika Agrawal; Samar Agnihotri	Secure Amplify-and-Forward Relaying in Linear Chains with a Single Eavesdropper	12:30-12:50	Kalyan S Dash; Niladri Puhan; Ganapati Panda	A Sparse Concept Coded Spatio-Spectral Feature Representation for Handwritten Character Recognition	12:30-12:50	Abhijeet Bishnu; Vimal Bhatia	Natural Gradient Non-Parametric Maximum Likelihood Algorithm for Sparse Channel Estimation in Non-Gaussian Noise	12:30-12:50	Udit Satija	Low-Complexity Detection and Classification of ECG Noises for Automated ECG Analysis System
Lunch 12:50pm-2:00pm											
SP Algorithms and Architecture 1			Detection and Estimation 1			Cognitive Radio 1			Image and Video Processing 2		
2:00-2:30	Chinmay Hegde	A Fast Algorithm for Demixing Signals with Structured Sparsity	2:00-2:30	Massimo Franceschetti	Completely blind sensing of multi-band signals	2:10-2:30	Sourabh Solanki; Pankaj Kumar Sharma; Prabhat Kumar Upadhyay	Cognitive Relay Sharing for Two-Way Primary Transmissions Under Nakagami-m Fading Channels	2:10-2:30	Soorajkumar R; Krishna P; Girish D; Jency Rajan	Fourth Order PDE Based Ultrasound Despeckling Using ENI Classification
2:30-2:50	Kiran Kuchi; Dharma Teja Bade; Nanda Kishore Chavali; Anusha Kilari	Reduced State MAP Algorithm with Modified Branch Metric	2:30-2:50	Dheeren Mahapatra; Soumya Ray; Lakshi Roy	Despeckling of SAR Clutter Amplitude Data Using G 0 -MAP Filter	2:30-2:50	Hari Krishna Boddapati; Shankar Prakriya; Manav Bhatnagar	Outage Analysis of Cluster-Based Multi-Hop Cognitive Networks Using BLAR Routing Protocol	2:30-2:50	Kshitij Dwivedi; Parijat Prabhudesai; Sabari Shanmugam	A Hybrid Method for Long Term Moving Object Tracker
2:50-3:10	Markandeya Janaswamy; Nanda Kishore Chavali; Subhendu Batabyal	Measurement of Transmitter IQ Parameters in HT and VHT Wireless LAN Systems	2:50-3:10	Anirban Dasgupta; Anshit Mandloi; Anjith George; Aurobinda Routray	An Improved Algorithm for Eye Corner Detection	2:50-3:10	Subhankar Chatterjee; Santi Prasad Maity; Tamaghna Acharya	Trade-off on Spectrum-Energy Efficiency in Cooperative Cognitive Radio Networks	2:50-3:10	Hemalata Bhujle	Weighted-Average Fusion Method for Multiband Images
3:10-3:30	Sheela Mounika; Nanda Kishore Chavali; Kiran Kuchi	A Common Framework for ML Detection of Spatially Multiplexed and Space Time Coded MIMO Signals and Reducing Its Computational Complexity	3:10-3:30	Snigdha Bhuyan; Siddharth Deshmukh	Decision Boundary for Under Water Acoustic Communication with Generalized Gaussian Noise Model	3:10-3:30	Anirudh Agarwal; Shiwangi Dubey; Mohd Asif Khan; Ranjan Goupadhyay; Soumitra Debnath	Learning Based Primary User Activity Prediction in Cognitive Radio Networks for Efficient Dynamic Spectrum Access	3:10-3:30	Gokul Deepak Manavalan; Kasi Rajgopal	Estimation of Small Motion for Dynamic X-Ray Computed Tomography Using a General Motion Model and Moments of Projections
Coffee 3:30pm-4:00pm											
Invited Session			Invited Session			Sensor Networks			Bio-Signal Processing 2		
4:00-4:30	Suhas Diggavi	On Nanopore Sequencing	4:00-4:30	Pascal Vontobel	Analysis of Double Covers of Factor Graphs	4:10-4:30	Vineeth Bala Sukumaran; Utpal Mukherji	Power Delay Tradeoff for Dynamic Data Compression and Transmission Over a Wireless Channel	4:10-4:30	Mani Kumar Tellamekala; Mohammed Rafi Shaik	Fragrance Effect on Beta Band Oscillations of Primary Visual and Prefrontal Cortices for Reading Tasks
4:30-5:00	Sreeram Kannan	Conditional Dependence Measures: Axioms, Estimators and Biological Applications	4:30-5:00	D Manjunath	On the Indexability of a Class of Restless, Hidden-Markov Model Multiarm Bandits	4:30-4:50	Rajat Sanyal; Kunal Narayan Chaudhury	Scalable and Accurate Sensor Network Localization Using Cliques	4:30-4:50	Nithin Nagara; Sahasranand K R	Neural Signal Multiplexing Via Compressed Sensing
High Tea											
Panel Discussion 5:45-7:00pm											