

2017 Twenty-third National Conference on Communications (NCC 2017)

**Chennai, India
2-4 March 2017**



**IEEE Catalog Number: CFP1742J-POD
ISBN: 978-1-5090-5357-5**

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IEEE Catalog Number:	CFP1742J-POD
ISBN (Print-On-Demand):	978-1-5090-5357-5
ISBN (Online):	978-1-5090-5356-8

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Amar Nath Yadav (Indian Institute of Information Technology Guwahati, India); Ratnajit Bhattacharjee (Indian Institute of Technology, Guwahati, India)

S3C-SP: Speech and Language Processing

Invited Talk: Document Extraction and Understanding N/A

Shajith Ikbal (IBM Research, India)

Pause Insertion in Assamese Synthesized Speech Using Speech Specific Features 527

Bidisha Sharma and S. R. Mahadeva Prasanna (Indian Institute of Technology Guwahati, India)

Pitch Prediction from Mel-Frequency Cepstral Coefficients Using Sparse Spectrum Recovery 533

Achuth Rao MV and Prasanta Kumar Ghosh (Indian Institute of Science, India)

A Semi-Automatic Method for Transcription Error Correction for Indian Language TTS Systems 539

Swetha Tanamala (IIT Madras, India); Jeena J Prakash (Indian Institute of Technology, India);
Hema A Murthy (Indian Institute of Technology Madras, India)

Prosodic Differential for Narrow-focus Word-stress in Speech Synthesis 545

Anusha Kamat, Abhishek Krishnamurthy and D. N. Krishna (PES Institute of Technology -
Bangalore South Campus (PESIT-BSC), Bangalore, India); Ramasubramanian Viswanathan (PES
Institute of Technology, Bangalore South Campus, India)

S3D-SP: Image Processing and Computer Vision

Invited Talk: SAVI - Synthetic Apertures for Long-range, Sub-diffraction Visible Imaging Using Fourier Ptychography N/A

Oliver Cossairt (Northwestern University, USA)

Simultaneous Blur Map Estimation and Deblurring of A Single Space-variantly Defocused Image 551

Latha H. Narayan (Indian Institute of Technology & IIT Kharagpur West Bengal, India); Kranti K
Parida (IIT Kharagpur, India); Rajiv Ranjan Sahay (, India)

Local Segment-based Dense Depth Reconstruction from Very Sparsely Sampled Data 557

Chandra Shaker Balure (National Institute of Technology Karnataka Surathkal, India); Arnav
Bhavsar (IIT Mandi, India); Ramesh M Kini (National Institute of Technology Karnataka, Surathkal,
India)

Optic Disc Detection Using Vessel Characteristics and Disc Features 563

Ambika Sharma and Monika Aggarwal (IIT Delhi, India); Brejesh Lall (Indian Institute of
Technology Delhi, India)

A Study of Interdependence Between Vessel Enhancement and Registration for Lung 4D-CT 569

Tejas Lunawat, Suramya Gupta and Arnav Bhavsar (IIT Mandi, India)

S4A-Comm: Cognitive Networks

Invited Talk: Joint Transceiver Design for QoS-Constrained MIMO Two-Way Non-Regenerative Relaying Using Geometric Programming N/A

Rohit Budhiraja (IIT Madras, India)

Active Interference Cancellation Based Optimal Power Loading for OFDM Cognitive Radio 575

Manoranjan Rai Bharti (Indian Institute of Technology Roorkee, India); Debashis Ghosh (Indian
Institute of Technology (IIT) Roorkee, India)

On Optimal Power Allocation for Energy Efficient Multicasting over Cognitive Radio Fading Channels 581

Sangeeta Bhattacharjee (Indian Institute of Engineering Science and Technology, Shibpur, India);
Tamaghna Acharya (Indian Institute of Engineering Science and Technology Shibpur, India); Uma
Bhattacharya (Bengal Engineering & Science University, Shibpur, India)

Improved Estimation of TV White Spaces in India Using Terrain Data 587

Rakesh Gorrepati (IIIT-Hyderabad, India); Abhignya Eturu (Syracuse University, USA); Sachin Chaudhari (International Institute of Information Technology, India); Jan Oksanen (Aalto University, Finland)

S4B-Networks: Wireless Networks and Applications

Invited Talk: Strategic and Computational Trade-offs in Endogenous Coalition Formation N/A
Viswanadha Reddy (IITM, India)

CAIL: Cross-calibration for Accurate Indoor Localization Without Extensive Site Survey 593
Shweta Sood, Geetali Tyagi, Vinayak Naik and Rizwana Ahmad (IIIT Delhi, India)

Realistic Directional Antenna Suite for Cooja Simulator 599

Shamanth Nagaraju (BITS PILANI K. K. BIRLA GOA CAMPUS, India); Vishwesh Rege (UCSD, USA); Lucy J Gudino (BITS Pilani, K K Birla Goa Campus, India); Ramesha C K (Birla Institute of Technology(BITS)Pilani, K. K. Birla Goa Campus, India)

S4C-Comm: Coding and Information Theory - IV

Non-constructive Lower Bounds for Binary Asymmetric Error Correcting Codes 605

Parthe Pandit (University of California, Los Angeles, USA); Ankur A. Kulkarni (Indian Institute of Technology Bombay, India)

Analyzing Secrecy of Delay-Constrained System in Cooperative Relay Environment Using Rateless Codes 611

Sonam Jain (Indian Institute of Technology Delhi, Hauz Khas, India); Sarbani Ghose (Indian Statistical Institute Kolkata, India); Ranjan Bose (Indian Institute of Technology, India)

Generalized Fano and non-Fano Networks 617

Niladri Das and Brijesh Kumar Rai (Indian Institute of Technology Guwahati, India)

S4D-SP: Signal Processing - III

Automatic Modulation Classification by Exploiting Cyclostationary Features in Wavelet Domain 623

Sushant Kumar (IIIT Delhi, India); Vivek A Bohara (Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), India); Sumit Jagdish Darak (IIIT-Delhi, India)

Role of Voice Activity Detection Methods for the Speakers in the Wild Challenge 629

Sarfaraz Jelil, Rohan Kumar Das, S. R. Mahadeva Prasanna and Rohit Sinha (Indian Institute of Technology Guwahati, India)

Detection of Global Abnormal Events in Crowded Scenes 635

N Patil (Indian Institute of Technology Kharappur, India); Prabir Kumar Biswas (Indian Institute of Technology Kharagpur, India)