

Student Paper Contest

Poster session Sunday, October 30, in Merrill Hall, papers to remain posted during Welcome Reception.

Category A – Communication Systems and Networks

“Multi-Source Cooperative Networks with Distributed Convolutional Coding”

Renqiu Wang, Wanlun Zhao, and Georgios B. Giannakis, University of Minnesota

“Distributed Detection in Sensor Networks: Connectivity Graph and Small World Networks”

Saeed Aldosari and Jos Moura, Carnegie Mellon University

“A Parametric Analytical Diffusion Model for Indoor Ultra-Wideband Received Signal”

Majid Nemati and Robert Scholtz, University of Southern California

“Source and Channel Coding for Quasi-Static Fading Channels”

Deniz Gunduz and Elza Erkip, Polytechnic University

Category C – Array Processing and MIMO

“A Multi-user SC-FDE-MIMO System for Frequency-Selective Channels”

Li Guo and Yih-Fang Huang, University of Notre Dame

Category D – Biomedical Signal and Image Processing

“Multi-Static Adaptive Microwave Imaging for Early Breast Cancer Detection”

Yao Xie, Bin Guo, Luzhou Xu, Jian Li, University of Florida; Peter Stoica, Uppsala University

Category E – Signal Processing Algorithms and Applications

“On the Unimodality of Deflation based Fast ICA Contrast”

Malay Gupta and Balu Santhanam, The University of New Mexico

“Blind Correction of Gain and Timing Mismatches for a Two-Channel Time-Interleaved Analog-to-Digital Converter”

Munkyo Seo, Mark Rodwell, Upamanyu Madhow, University of California-Santa Barbara

Category G – Speech, Image, and Video Processing

“Optimal Motion Compensation for Low Bit Rate Wavelet Based Error Frame Coding”

Lorenzo Cappellari, University of Padova, Truong Nguyen, University of California-San Diego

“Perceptual Video Coding with H.264”

Koohyar Minoos and Truong Nguyen, University of California-San Diego