REGULAR PAPERS

Broadcast Gossip Algorithms for Consensus on Strongly Connected Digraphs ................. S. Wu and M. G. Rabbat 3959

Joint Network Optimization and Downlink Beamforming for CoMP Transmissions Using Mixed Integer Conic Programming ......................................................... Y. Cheng, M. Pesavento, and A. Philipp 3972


Empirical Wavelet Transform ................................................................. J. Gilles 3999

Diffusion Information Theoretic Learning for Distributed Estimation Over Network ........................................................................................................... C. Li, P. Shen, Y. Liu, and Z. Zhang 4011

Central Limit Theorem in the Functional Approach ........................................ D. Dehay, J. Leskow, and A. Napolitano 4025


(Contents Continued on Page 3956)

Large Deviation Delay Analysis of Queue-Aware Multi-User MIMO Systems With Two-Timescale Mobile-Driven Feedback ............................................................... J. Chen and V. K. N. Lau 4067

Multiple Target Localization Using Wideband Echo Chirp Signals ................................................................. P. H. Leong, T. D. Abhayapala, and T. A. Lamahewa 4077

Low Complexity Delay-Constrained Beamforming for Multi-User MIMO Systems With Imperfect CSIT ........................................................................................................ V. K. N. Lau, F. Zhang, and Y. Cui 4090

Adaptive Multiset Stochastic Decoding of Non-Binary LDPC Codes ......................................................... A. Ciobanu, S. Hemati, and W. J. Gross 4100

Modeling Heterogeneous Network Interference Using Poisson Point Processes ................................................................. R. W. Heath, M. Kountouris, and T. Bai 4114

A First Step Toward On-Chip Memory Mapping for Parallel Turbo and LDPC Decoders: A Polynomial Time Mapping Algorithm .......................................................... A. H. Sani, P. Coussy, and C. Chavet 4127

Multivariate Generalized Gaussian Distribution: Convexity and Graphical Models ................................................................. T. Zhang, A. Wiesel, and M. S. Greco 4141

Weighted Iterative Truncated Mean Filter ................................................................. Z. Miao and X. Jiang 4149

Random Distortion Testing and Optimality of Thresholding Tests ................................................................. D. Pastor and Q.-T. Nguyen 4161

A Fundamental Limitation of DC-Free Quantization Noise With Respect To Nonlinearity-Induced Spurious Tones ........................................................................ E. Familier and I. Galton 4172

EDICS—Editors’ Information Classification Scheme ........................................................................................................... 4181

Information for Authors ........................................................................................................................................... 4182

About the Cover: The figure on the cover depicts (a) the adjacency matrix of the $88 \times 88$ brain graph built from the first and second eigennetworks, $A'_{1} = -0.1S'_{1} + 0.2S'_{2}$; (b) the visualization of the graph in brain space, with nodes colored according to their anatomical location (light blue = frontal lobe, dark blue = limbic, red = occipital, yellow = parietal, orange = subcortical, green = temporal); (c)–(e) the energy of scaling and wavelet coefficients from coarse to fine scale, $J = 2$ scales and a Simoncelli-like design; (f) the adjacency matrix of the graph built from $A'_{2} = -0.1S'_{1} - 0.3S'_{2}$; (g)–(j) as (b)–(e) and $-0.1 = 1/ \sum \nu_{i}$, as provided in “Tight Wavelet Frames on Multislice Graphs,” by Leonardi and Van De Ville, on page 3357.