

# IEEE TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING OVER NETWORKS

A PUBLICATION OF  
THE IEEE SIGNAL PROCESSING SOCIETY  
THE IEEE COMMUNICATIONS SOCIETY  
THE IEEE COMPUTER SOCIETY



DECEMBER 2018

VOLUME 4

NUMBER 4

ITSIBW

(ISSN 2373-776X)

## *Adaptation, Detection, Estimation, and Learning*

- Latent Parameter Estimation in Fusion Networks Using Separable Likelihoods ..... M. Üney, B. Mulgrew, and D. E. Clark 643

- Audit Bit Based Distributed Bayesian Detection in the Presence of Byzantines ..... W. Hashlamoun, S. Brahma, and P. K. Varshney 656

- Distributed Signal Processing via Chebyshev Polynomial Approximation ..... D. I. Shuman, P. Vandergheynst, D. Kressner, and P. Frossard 667

- Robust Semisupervised Graph Classifier Learning With Negative Edge Weights ..... G. Cheung, W.-T. Su, Y. Mao, and C.-W. Lin 683

- Function Splitting and Quadratic Approximation of the Primal-Dual Method of Multipliers for Distributed Optimization Over Graphs ..... M. O'Connor, G. Zhang, W. B. Kleijn, and T. D. Abhayapala 697

## *Communications, Networking, and Sensing*

- Distributed Time and Carrier Frequency Synchronization for Dense Wireless Networks ..... M. A. Alvarez and U. Spagnolini 712

- Distributed Jointly Sparse Bayesian Learning With Quantized Communication ..... J. Hua and C. Li 727

- Bias-Constrained Optimal Fusion Filtering for Decentralized WSN With Correlated Noise Sources ..... S. Zhao, Y. S. Shmaliy, and C. K. Ahn 736

- Sparse Laplacian Component Analysis for Internet Traffic Anomalies Detection ..... M. Khatua, S. H. Safavi, and N.-M. Cheung 752

## *Data Analysis*

- Informed Nonnegative Matrix Factorization Methods for Mobile Sensor Network Calibration ..... C. Dorffer, M. Puigt, G. Delmaire, and G. Roussel 769

- 
- EDICS—Editor's Information Classification Scheme ..... 783

- Information for Authors ..... 784
- 

