

# 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



JUNE 2019

VOLUME 5

NUMBER 2

ITSIBW

(ISSN 2373-776X)

---

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

Distributed Estimation From Relative Measurements of Heterogeneous and Uncertain Quality .....	C. Ravazzi, N. P. K. Chan, and P. Frasca	203
Distributed Bernoulli Filtering Using Likelihood Consensus .....	G. Papa, R. Repp, F. Meyer, P. Braca, and F. Hlawatsch	218
Distributed Estimation Over an Adaptive Diffusion Network Based on the Family of Affine Projection Algorithms .....	M. S. E. Abadi and M. S. Shafee	234
Widely Linear Complex-Valued Diffusion Subband Adaptive Filter Algorithm .....	P. Wen and J. Zhang	248
Online Sparse Multi-Output Gaussian Process Regression and Learning .....	L. Yang, K. Wang, and L. Mihaylova	258
Online Contextual Influence Maximization With Costly Observations .....	A. Ö. Sartaç, A. Karakurt, and C. Tekin	273
A Bayesian Algorithm for Distributed Network Localization Using Distance and Direction Data .....	H. Naseri and V. Koivunen	290
Improved Bounds for Max Consensus in Wireless Networks .....	A. Nowzari and M. G. Rabbat	305
Cross-Layer MAC Protocol for Unbiased Average Consensus Under Random Interference .....	C. Asensio-Marco, D. Alonso-Román, and B. Beferull-Lozano	320
Derivation and Analysis of the Primal-Dual Method of Multipliers Based on Monotone Operator Theory .....	T. W. Sherson, R. Heusdens, and W. B. Kleijn	334
Sampling of Graph Signals via Randomized Local Aggregations .....	D. Valsesia, G. Fracastoro, and E. Magli	348
Graph Learning From Filtered Signals: Graph System and Diffusion Kernel Identification .....	H. E. Egilmez, E. Pavez, and A. Ortega	360

### *Communications, Networking, and Sensing*

Real-Time Cooperative Analytics for Ambient Noise Tomography in Sensor Networks .....	M. Valero, F. Li, S. Wang, F.-C. Lin, and W. Song	375
---	---	-----

### *Emerging Topics and Applications*

Distributionally Robust Radio Frequency Localization .....	N. A. Jagadeesan and B. Krishnamachari	390
--	--	-----

---

EDICS—Editor's Information Classification Scheme .....
Information for Authors .....

---

