

IEEE TRANSACTIONS ON SIGNAL PROCESSING

A PUBLICATION OF THE IEEE SIGNAL PROCESSING SOCIETY



www.signalprocessingsociety.org

Indexed in PubMed and MEDLINE, products of the United States National Library of Medicine



AUGUST 1, 2019

VOLUME 67

NUMBER 15

ITPRED

(ISSN 1053-587X)

REGULAR PAPERS

Localization of Signals in the Near-Field of an Antenna Array	<i>B. Friedlander</i>	3885
Characterization of Analytic Wavelet Transforms and a New Phaseless Reconstruction Algorithm	<i>N. Holighaus, G. Koliander, Z. Průša, and L. D. Abreu</i>	3894
Domain-Informed Spline Interpolation	<i>H. Behjat, Z. Doğan, D. V. De Ville, and L. Sörnmo</i>	3909
Self-Tuning Algorithms for Multisensor-Multitarget Tracking Using Belief Propagation	<i>G. Soldi, F. Meyer, P. Braca, and F. Hlawatsch</i>	3922
Nonsubsampled Graph Filter Banks: Theory and Distributed Algorithms	<i>J. Jiang, C. Cheng, and Q. Sun</i>	3938
Scalable M -Channel Critically Sampled Filter Banks for Graph Signals	<i>S. Li, Y. Jin, and D. I Shuman</i>	3954
Analysis of the Unconstrained Frequency-Domain Block LMS for Second-Order Noncircular Inputs	<i>X. Zhang, Y. Xia, C. Li, L. Yang, and D. P. Mandic</i>	3970
Hypercomplex Widely Linear Estimation Through the Lens of Underpinning Geometry	<i>T. Nitta, M. Kobayashi, and D. P. Mandic</i>	3985
Asymptotic Task-Based Quantization With Application to Massive MIMO	<i>N. Shlezinger, Y. C. Eldar, and M. R. D. Rodrigues</i>	3995
Location-Free Spectrum Cartography	<i>Y. Teganya, D. Romero, L. M. L. Ramos, and B. Beferull-Lozano</i>	4013
Truncated Sequential Non-Parametric Hypothesis Testing Based on Random Distortion Testing	<i>P. Khanduri, D. Pastor, V. Sharma, and P. K. Varshney</i>	4027
Simultaneous Safe Feature and Sample Elimination for Sparse Support Vector Regression	<i>H. Wang, X. Pan, and Y. Xu</i>	4043
Distributed Detection in Massive MIMO Wireless Sensor Networks Under Perfect and Imperfect CSI	<i>A. Chawla, A. Patel, A. K. Jagannatham, and P. K. Varshney</i>	4055
Real-Time Power System State Estimation and Forecasting via Deep Unrolled Neural Networks	<i>L. Zhang, G. Wang, and G. B. Giannakis</i>	4069



Hypercomplex Tensor Completion via Convex Optimization	<i>T. Mizoguchi and I. Yamada</i>	4078
Full Mean Square Performance Bounds on Quaternion Estimators for Improper Data	<i>Y. Xia, S. Tao, Z. Li, M. Xiang, W. Pei, and D. P. Mandic</i>	4093
Energy Efficiency Optimization in MIMO Interference Channels: A Successive Pseudoconvex Approximation Approach	<i>Y. Yang, M. Pesavento, S. Chatzinotas, and B. Ottersten</i>	4107
Online Design of Optimal Precoders for High Dimensional Signal Detection	<i>P. Khanduri, L. N. Theagarajan, and P. K. Varshney</i>	4122

EDICS–Editors’ Information Classification Scheme		
Information for Authors		
