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This index covers all technical items—papers, correspondence, reviews, etc.—that appeared in this periodical during 2021, and items from previous years that were commented upon or corrected in 2021. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Note that the item title is found only under the primary entry in the Author Index.

Author Index

A

- Abed-Meraim, K.,** *see* Thanh, L.T., *TSP 2021* 5372-5385
- Abed-Meraim, K.,** *see* Thanh, L.T., *TSP 2021* 2070-2085
- Abramovich, Y.I.,** *see* Kuzminskiy, A.M., *TSP 2021* 5134-5146
- Adcock, B.,** Brugapaglia, S., and King-Roskamp, M., The Benefits of Acting Locally: Reconstruction Algorithms for Sparse in Levels Signals With Stable and Robust Recovery Guarantees; *TSP 2021* 3160-3175
- Addabbo, P.,** Han, S., Biondi, F., Giunta, G., and Orlando, D., Adaptive Radar Detection in the Presence of Multiple Alternative Hypotheses Using Kullback-Leibler Information Criterion-Part I: Detector Designs; *TSP 2021* 3730-3741
- Addabbo, P.,** Han, S., Orlando, D., and Ricci, G., Learning Strategies for Radar Clutter Classification; *TSP 2021* 1070-1082
- Addabbo, P.,** Han, S., Biondi, F., Giunta, G., and Orlando, D., Adaptive Radar Detection in the Presence of Multiple Alternative Hypotheses Using Kullback-Leibler Information Criterion-Part II: Applications; *TSP 2021* 3742-3754
- Addabbo, P.,** *see* Han, S., *TSP 2021* 560-572
- Adibi, P.,** *see* Behmanesh, M., *TSP 2021* 1271-1286
- Adler, A.,** *see* Wax, M., *TSP 2021* 417-427
- Adler, A.,** *see* Wax, M., *TSP 2021* 973-985
- Adve, R.,** *see* Mirzaei, J., *TSP 2021* 5784-5800
- Afshari, M.,** and Mahajan, A., Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error; *TSP 2021* 5206-5221
- Ahlen, A.,** *see* Hellkvist, M., *TSP 2021* 5479-5495
- Ahmed, A.,** and Zhang, Y.D., Generalized Non-Redundant Sparse Array Designs; *TSP 2021* 4580-4594
- Ahmed, A.,** *see* Zhang, S., *TSP 2021* 5935-5946
- Ahmed, M.,** *see* AlSharif, M.H., *TSP 2021* 5078-5093
- Akhtar, J.,** *see* Idrees, B.M., *TSP 2021* 4177-4191
- Akhtar, Z.,** Bedi, A., and Rajawat, K., Conservative Stochastic Optimization With Expectation Constraints; *TSP 2021* 3190-3205
- Aktukmak, M.,** *see* Yilmaz, Y., *TSP 2021* 5175-5188
- Al-Naffouri, T.Y.,** *see* AlSharif, M.H., *TSP 2021* 5078-5093
- Al-Sa'd, M., Boashash, B., and Gabbouj, M., Design of an Optimal Piece-Wise Spline Wigner-Ville Distribution for TFD Performance Evaluation and Comparison; *TSP 2021* 3963-3976
- Alae-Kerahroodi, M.,** *see* Raei, E., *TSP 2021* 3283-3298
- Alameda-Pineda, X.,** *see* Sadeghi, M., *TSP 2021* 1899-1909
- Alaviani, S.S.,** and Elia, N., Distributed Convex Optimization With State-Dependent (Social) Interactions and Time-Varying Topologies; *TSP 2021* 2611-2624
- Alegria, J.V.,** Rusek, F., and Edfors, O., Trade-Offs in Decentralized Multi-Antenna Architectures: The WAX Decomposition; *TSP 2021* 3627-3641
- Alexandru, R.,** Blu, T., and Dragotti, P.L., Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors; *TSP 2021* 5539-5554
- Alghunaim, S.A.,** Lyu, Q., Yan, M., and Sayed, A., Dual Consensus Proximal Algorithm for Multi-Agent Sharing Problems; *TSP 2021* 5568-5579
- Alizadeh, M.,** *see* Moradipari, A., *TSP 2021* 3755-3767
- Alouini, M.,** *see* Elzananati, A., *TSP 2021* 5386-5402
- Alsaadi, F.E.,** *see* Song, W., *TSP 2021* 15-27
- Alsaadi, F.E.,** *see* Geng, H., *TSP 2021* 5875-5890
- Alsaadi, F.E.,** *see* Song, W., *TSP 2021* 328-340
- AlSharif, M.H.,** Douik, A., Ahmed, M., Al-Naffouri, T.Y., and Hassibi, B., Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves; *TSP 2021* 5078-5093
- Amani, S.,** *see* Moradipari, A., *TSP 2021* 3755-3767
- Amblard, P.,** *see* Komaty, A., *TSP 2021* 2676-2688
- Amiri, R.,** *see* Sadeghi, M., *TSP 2021* 1642-1652
- Amiridi, M.,** Kargas, N., and Sidiroopoulos, N.D., Information-Theoretic Feature Selection via Tensor Decomposition and Submodularity; *TSP 2021* 6195-6205
- Amjad, J.,** Lyu, Z., and Rodrigues, M.R.D., Deep Learning Model-Aware Regularization With Applications to Inverse Problems; *TSP 2021* 6371-6385
- An, J.,** *see* Gong, S., *TSP 2021* 2706-2724
- An, J.,** *see* Gong, S., *TSP 2021* 3016-3032
- An, J.,** *see* Song, J., *TSP 2021* 2555-2568
- Anavangot, V.,** and Kumar, A., Signal Source Distribution Approximation to Speedup Scalar Quantizer Design; *TSP 2021* 6314-6328
- Anttila, L.,** *see* Pascual Campo, P., *TSP 2021* 370-384
- Araki, S.,** *see* Ikeshita, R., *TSP 2021* 3252-3267
- Araya-Hernandez, L.,** *see* Tobar, F., *TSP 2021* 73-87
- Ardakani, M.,** *see* Roshandeh, K.P., *TSP 2021* 641-654
- Arulampalam, S.,** Ristic, B., and Kirubarajan, T., Analysis of Propagation Delay Effects on Bearings-Only Fusion of Heterogeneous Sensors; *TSP 2021* 6488-6503
- Asensio-Marco, C.,** *see* Romero, D., *TSP 2021* 150-164
- Aslam, A.,** and Khalid, Z., Spatial-Slepian Transform on the Sphere; *TSP 2021* 4474-4485
- Asli, A.Z.,** *see* Kamrani, H., *TSP 2021* 240-255
- Astolfi, J.,** *see* Komaty, A., *TSP 2021* 2676-2688
- Attia, M.A.,** Chang, W., and Tandon, R., Heterogeneity Aware Two-Stage Group Testing; *TSP 2021* 3977-3990
- Aubry, A.,** *see* Rong, Y., *TSP 2021* 1492-1506
- Aubry, A.,** De Maio, A., Marano, S., and Rosamilia, M., Structured Covariance Matrix Estimation With Missing-(Complex) Data for Radar Applications via Expectation-Maximization; *TSP 2021* 5920-5934
- Aubry, A.,** Braca, P., d'Affliso, E., De Maio, A., Millefiori, L.M., and Willett, P., Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique; *TSP 2021* 270-283
- Auguin, N.,** Morales-Jimenez, D., and McKay, M., Large-Dimensional Characterization of Robust Linear Discriminant Analysis; *TSP 2021* 2625-2638
- Azimi-Sadjadi, M.R.,** *see* Robbiano, C., *TSP 2021* 5627-5637

B

- B. Giannakis, G.,** *see* Li, B., *TSP 2021* 3597-3611
- Bab-Hadiashar, A.,** *see* Gostar, A.K., *TSP 2021* 878-891
- Badeau, R.,** *see* Neri, J., *TSP 2021* 3176-3189
- Bagchi, S.,** *see* Mitra, A., *TSP 2021* 3906-3921
- Baker, B.,** *see* Imtiaz, H., *TSP 2021* 6355-6370

- Balzano, L.,** see Hong, D., *TSP* 2021 4819-4834
- Banerjee, A.,** see Kalhan, D.S., *TSP* 2021 932-947
- Barthelme, A.,** and Utschick, W., A Machine Learning Approach to DoA Estimation and Model Order Selection for Antenna Arrays With Subarray Sampling; *TSP* 2021 3075-3087
- Basar, T.,** see Cao, X., *TSP* 2021 284-299
- Bassi, G.,** see Molavipour, S., *TSP* 2021 766-780
- Battistelli, G.,** see Gostar, A.K., *TSP* 2021 878-891
- Baumert, M.,** see Karisik, F., *TSP* 2021 826-836
- Bavand, M.,** see Kiani, S., *TSP* 2021 4652-4668
- Bavevani, A.,** and Podgorski, K., Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties; *TSP* 2021 2779-2794
- Bazerque, J.A.,** see Cervino, J., *TSP* 2021 5947-5962
- Becoulet, A.,** and Verguet, A., A Depth-First Iterative Algorithm for the Conjugate Pair Fast Fourier Transform; *TSP* 2021 1537-1547
- Bedi, A.,** see Akhtar, Z., *TSP* 2021 3190-3205
- Bedi, A.,** see Koppel, A., *TSP* 2021 6401-6415
- Bedi, A.S.,** Koppel, A., Rajawat, K., and Sanyal, P., Nonparametric Compositional Stochastic Optimization for Risk-Sensitive Kernel Learning; *TSP* 2021 428-442
- Beferull-Lozano, B.,** see Mollaebrahim, S., *TSP* 2021 2056-2069
- Beferull-Lozano, B.,** see Romero, D., *TSP* 2021 150-164
- Beferull-Lozano, B.,** see Zaman, B., *TSP* 2021 210-225
- Behmanesh, M.,** Adibi, P., Chanussot, J., Jutten, C., and Ehsani, S.M.S., Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization; *TSP* 2021 1271-1286
- Behnia, F.,** see Sadeghi, M., *TSP* 2021 1642-1652
- Berahas, A.,** Bollapragada, R., and Wei, E., On the Convergence of Nested Decentralized Gradient Methods With Multiple Consensus and Gradient Steps; *TSP* 2021 4192-4203
- Berenkov, N.R.,** see Tartakovsky, A.G., *TSP* 2021 2653-2662
- Berman, I.,** and Routtenberg, T., Resource Allocation and Dithering of Bayesian Parameter Estimation Using Mixed-Resolution Data; *TSP* 2021 6148-6164
- Bertrand, A.,** see De Ryck, T., *TSP* 2021 3513-3524
- Bertrand, A.,** see Musluoglu, C.A., *TSP* 2021 3653-3670
- Besson, A.,** see Simeoni, M., *TSP* 2021 42-57
- Besson, O.,** Impact of Covariance Mismatched Training Samples on Constant False Alarm Rate Detectors; *TSP* 2021 755-765
- Bhandari, A.,** Krahmer, F., and Raskar, R., On Unlimited Sampling and Reconstruction; *TSP* 2021 3827-3839
- Bi, D.,** see Du, M., *TSP* 2021 5051-5065
- Bialer, O.,** see Rogel, N., *TSP* 2021 5907-5919
- Biondi, F.,** see Addabbo, P., *TSP* 2021 3730-3741
- Biondi, F.,** see Addabbo, P., *TSP* 2021 3742-3754
- Bjelakovic, I.,** see Frey, M., *TSP* 2021 5739-5755
- Blu, T.,** see Guo, R., *TSP* 2021 5299-5312
- Blu, T.,** see Alexandru, R., *TSP* 2021 5539-5554
- Blu, T.,** see Li, Y., *TSP* 2021 4102-4115
- Blum, R.S.,** see Li, Y., *TSP* 2021 3315-3324
- Blum, R.S.,** see Wang, Z., *TSP* 2021 6083-6100
- Blum, R.S.,** see Chen, Y., *TSP* 2021 4710-4723
- Boashash, B.,** see Al-Sa'd, M., *TSP* 2021 3963-3976
- Boche, H.,** and Pohl, V., Complexity Blowup in Simulating Analog Linear Time-Invariant Systems on Digital Computers; *TSP* 2021 5005-5020
- Boche, H.,** and Monich, U.J., On the Solvability of the Peak Value Problem for Bandlimited Signals With Applications; *TSP* 2021 103-118
- Boche, H.,** and Monich, U.J., Computable Time Concentration of Bandlimited Signals and Systems; *TSP* 2021 5523-5538
- Bodnar, T.,** Dmytriv, S., Okhrin, Y., Parolya, N., and Schmid, W., Statistical Inference for the Expected Utility Portfolio in High Dimensions; *TSP* 2021 1-14
- Bollapragada, R.,** see Berahas, A., *TSP* 2021 4192-4203
- Bouaynaya, N.C.,** see Dera, D., *TSP* 2021 4669-4684
- Bouchard, F.,** see Collas, A., *TSP* 2021 6546-6560
- Bouchard, F.,** Breloy, A., Ginolhac, G., Renaux, A., and Pascal, F., A Riemannian Framework for Low-Rank Structured Elliptical Models; *TSP* 2021 1185-1199
- Boudraa, A.,** see Komaty, A., *TSP* 2021 2676-2688
- Boudreau, G.,** see Kiani, S., *TSP* 2021 4652-4668
- Braca, P.,** see Aubry, A., *TSP* 2021 270-283
- Breloy, A.,** see Collas, A., *TSP* 2021 6546-6560
- Breloy, A.,** see Bouchard, F., *TSP* 2021 1185-1199
- Breloy, A.,** Kumar, S., Sun, Y., and Palomar, D.P., Majorization-Minimization on the Stiefel Manifold With Application to Robust Sparse PCA; *TSP* 2021 1507-1520
- Breloy, A.,** see Meriaux, B., *TSP* 2021 603-616
- Brugliapaglia, S.,** see Adcock, B., *TSP* 2021 3160-3175
- Bu, X.,** see Song, J., *TSP* 2021 2555-2568
- Buchholz, M.,** see Herrmann, M., *TSP* 2021 5159-5174
- Bugallo, M.F.,** see El-Laham, Y., *TSP* 2021 4245-4256
- Bulucu, C.,** see Turgay, E., *TSP* 2021 1438-1451
- Burger, M.,** see Koulouri, A., *TSP* 2021 165-178

C

- C. Eldar, Y.,** see Xi, F., *TSP* 2021 6267-6282
- Cadena, J.,** Ray, P., Chen, H., Soper, B., Rajan, D., Yen, A., and Goldhahn, R., Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks; *TSP* 2021 1713-1724
- Cai, H.,** Kaloorazi, M.F., and Chen, J., Online Generalized Eigenvectors Extraction Via a Fixed-Point Approach; *TSP* 2021 2435-2451
- Cai, H.,** Cai, J., Wang, T., and Yin, G., Accelerated Structured Alternating Projections for Robust Spectrally Sparse Signal Recovery; *TSP* 2021 809-821
- Cai, J.,** see Cai, H., *TSP* 2021 809-821
- Cai, S.,** see Xue, Y., *TSP* 2021 4069-4084
- Cai, X.,** see Du, M., *TSP* 2021 5051-5065
- Cai, Z.,** see Yuan, X., *TSP* 2021 5222-5233
- Calhoun, V.D.,** see Imtiaz, H., *TSP* 2021 6355-6370
- Calvo-Fullana, M.,** see Cervino, J., *TSP* 2021 5947-5962
- Candido, R.,** see Tigle, D.G., *TSP* 2021 58-72
- Cao, X.,** and Basar, T., Decentralized Online Convex Optimization With Event-Triggered Communications; *TSP* 2021 284-299
- Cappe, O.,** see Filstroff, L., *TSP* 2021 1614-1626
- Cavalcante, R.,** see Fink, J., *TSP* 2021 5708-5722
- Cavalcante, R.L.G.,** see Miretti, L., *TSP* 2021 3145-3159
- Cazelles, E.,** Robert, A., and Tobar, F., The Wasserstein-Fourier Distance for Stationary Time Series; *TSP* 2021 709-721
- Cervino, J.,** Bazerque, J.A., Calvo-Fullana, M., and Ribeiro, A., Multi-Task Reinforcement Learning in Reproducing Kernel Hilbert Spaces via Cross-Learning; *TSP* 2021 5947-5962
- Chai, L.,** see Yi, W., *TSP* 2021 3399-3414
- Chakraborty, M.,** see Mukhopadhyay, S., *TSP* 2021 5846-5858
- Chalise, B.K.,** see Guruacharya, S., *TSP* 2021 573-588
- Chamon, L.F.O.,** see Ruiz, L., *TSP* 2021 4961-4976
- Chan, R.H.M.,** see She, Q., *TSP* 2021 3236-3251
- Chang, T.,** see Wang, S., *TSP* 2021 5273-5288
- Chang, T.,** see Wang, Z., *TSP* 2021 4486-4501
- Chang, W.,** see Attia, M.A., *TSP* 2021 3977-3990
- Chanussot, J.,** see Behmanesh, M., *TSP* 2021 1271-1286
- Charles, A.S.,** see She, Q., *TSP* 2021 3236-3251
- Chen, B.,** see Cheng, X., *TSP* 2021 5448-5462
- Chen, B.,** see Chen, W., *TSP* 2021 1995-2009
- Chen, D.,** Wang, R., and Jiang, T., Channel Estimation and Pilot Symbol Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Systems; *TSP* 2021 4595-4606
- Chen, D.,** see Zhang, Y., *TSP* 2021 5066-5077
- Chen, H.,** see Zhang, S., *TSP* 2021 5419-5430
- Chen, H.,** see Cadena, J., *TSP* 2021 1713-1724
- Chen, J.,** see Ni, J., *TSP* 2021 2330-2342
- Chen, J.,** see Zhang, M., *TSP* 2021 589-602
- Chen, J.,** see Kaloorazi, M.F., *TSP* 2021 2218-2232

- Chen, J.,** *see* Cai, H., *TSP 2021* 2435-2451
- Chen, L.,** Liu, F., Wang, W., and Masouros, C., Joint Radar-Communication Transmission: A Generalized Pareto Optimization Framework; *TSP 2021* 2752-2765
- Chen, M.,** *see* Shlezinger, N., *TSP 2021* 500-514
- Chen, P.,** and Vaidyanathan, P., Distributed Algorithms for Array Signal Processing; *TSP 2021* 4607-4622
- Chen, S.,** *see* Xing, C., *TSP 2021* 738-754
- Chen, S.,** Eldar, Y.C., and Zhao, L., Graph Unrolling Networks: Interpretable Neural Networks for Graph Signal Denoising; *TSP 2021* 3699-3713
- Chen, S.,** *see* Xing, C., *TSP 2021* 179-194
- Chen, S.,** Deng, Z., Ma, S., and So, A.M., Manifold Proximal Point Algorithms for Dual Principal Component Pursuit and Orthogonal Dictionary Learning; *TSP 2021* 4759-4773
- Chen, T.,** Sun, Y., and Yin, W., Solving Stochastic Compositional Optimization is Nearly as Easy as Solving Stochastic Optimization; *TSP 2021* 4937-4948
- Chen, T.,** Sun, Y., and Yin, W., Communication-Adaptive Stochastic Gradient Methods for Distributed Learning; *TSP 2021* 4637-4651
- Chen, T.,** *see* Wu, Z., *TSP 2021* 3839-3853
- Chen, W.,** *see* Zheng, X.X., *TSP 2021* 6101-6115
- Chen, W.,** Chen, B., Peng, X., Liu, J., Yang, Y., Zhang, H., and Liu, H., Tensor RNN With Bayesian Nonparametric Mixture for Radar HRRP Modeling and Target Recognition; *TSP 2021* 1995-2009
- Chen, X.,** *see* Ni, J., *TSP 2021* 2330-2342
- Chen, X.,** *see* Rong, Y., *TSP 2021* 4556
- Chen, X.,** *see* Liu, J., *TSP 2021* 4544-4555
- Chen, X.,** *see* Tong, C., *TSP 2021* 136-149
- Chen, X.,** *see* Huang, Y., *TSP 2021* 1952-1967
- Chen, X.,** *see* Wang, G., *TSP 2021* 3415-3430
- Chen, Y.,** *see* Du, J., *TSP 2021* 6251-6266
- Chen, Y.,** You, L., Lu, A., and Gao, X., Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection; *TSP 2021* 4685-4698
- Chen, Y.,** *see* Geng, H., *TSP 2021* 5875-5890
- Chen, Y.,** Blum, R.S., and Sadler, B.M., Ordering for Communication-Efficient Quickest Change Detection in a Decomposable Graphical Model ; *TSP 2021* 4710-4723
- Chen, Z.,** *see* Li, Q., *TSP 2021* 1140-1153
- Chen, Z.,** *see* Du, S., *TSP 2021* 4623-4636
- Chen, Z.,** *see* Xu, Y., *TSP 2021* 401-416
- Chen, Z.,** Sohrabi, F., and Yu, W., Sparse Activity Detection in Multi-Cell Massive MIMO Exploiting Channel Large-Scale Fading; *TSP 2021* 3768-3781
- Chen, Z.,** *see* Yang, Y., *TSP 2021* 3383-3398
- Cheng, P.,** *see* Xu, Y., *TSP 2021* 401-416
- Cheng, X.,** Khanduri, P., Chen, B., and Varshney, P., Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network; *TSP 2021* 5448-5462
- Cheng, Y.,** *see* Geng, H., *TSP 2021* 546-559
- Cheng, Y.,** *see* Geng, H., *TSP 2021* 5875-5890
- Cheng, Y.,** *see* Hua, X., *TSP 2021* 4326-4340
- Cheng, Z.,** Shi, S., Tang, L., He, Z., and Liao, B., Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs ; *TSP 2021* 28-41
- Chepuri, S.P.,** *see* Kadambani, S.K., *TSP 2021* 5665-5680
- Chi, Y.,** *see* Tong, T., *TSP 2021* 2396-2409
- Chi, Y.,** *see* Ma, C., *TSP 2021* 867-877
- Chisci, L.,** *see* Gostar, A.K., *TSP 2021* 878-891
- Choi, W.,** *see* Kang, J., *TSP 2021* 2858-2872
- Choi, Y.S.,** *see* Nguyen, T.T.D., *TSP 2021* 5611-5626
- Chong, E.K.P.,** *see* Robbiano, C., *TSP 2021* 5627-5637
- Chopra, R.,** and Murthy, C.R., Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems ; *TSP 2021* 4219-4233
- Cintra, R.,** *see* Coelho, D., *TSP 2021* 4557-4566
- Ciolek, M.,** *see* Gancza, A., *TSP 2021* 1665-1680
- Clark, D.E.,** Multi-Sensor Network Information for Linear-Gaussian Multi-Target Tracking Systems; *TSP 2021* 4312-4325
- Claser, R.,** and Nascimento, V.H., On the Tracking Performance of Adaptive Filters and Their Combinations; *TSP 2021* 3104-3116
- Closas, P.,** *see* Elvira, V., *TSP 2021* 474-488
- Closas, P.,** *see* Li, H., *TSP 2021* 357-369
- Cmejla, J.,** *see* Koldovsky, Z., *TSP 2021* 2158-2173
- Coates, M.,** *see* Mazza-Anthony, C., *TSP 2021* 489-499
- Coelho, D.,** Cintra, R., Madanayake, A., and Perera, S., Low-Complexity Scaling Methodsfor DCT-II Approximations; *TSP 2021* 4557-4566
- Cohen, A.,** Shlezinger, N., Salamatian, S., Eldar, Y.C., and Medard, M., Serial Quantization for Sparse Time Sequences; *TSP 2021* 3299-3314
- Cohen, D.,** *see* Liu, X., *TSP 2021* 4991-5004
- Cohen, I.,** *see* Karo, I.Y., *TSP 2021* 631-640
- Cohen, K.,** *see* Sery, T., *TSP 2021* 3796-3811
- Collas, A.,** Bouchard, F., Breloy, A., Ginolhac, G., Ren, C., and Ovarlez, J., Probabilistic PCA From Heteroscedastic Signals: Geometric Framework and Application to Clustering; *TSP 2021* 6546-6560
- Colominas, M.A.,** and Wu, H., Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions; *TSP 2021* 5094-5104
- Coluccia, A.,** Ricci, G., and Richmond, C.D., Adaptive Radar Detection Without Secondary Data for Uncooperative Spectrum Sharing Scenarios; *TSP 2021* 3206-3219
- Combettes, P.L.,** and Pesquet, J., Fixed Point Strategies in Data Science; *TSP 2021* 3878-3905
- Courts, J.,** Wills, A., and Schon, T., Gaussian Variational State Estimation for Nonlinear State-Space Models; *TSP 2021* 5979-5993
- Coutino, M.,** *see* Li, B., *TSP 2021* 3597-3611
- Coutts, F.,** *see* Weiss, S., *TSP 2021* 722-737
- Cui, S.,** *see* Li, F., *TSP 2021* 5555-5567
- Cui, S.,** *see* Li, F., *TSP 2021* 5580-5594
- Cui, S.,** *see* Shlezinger, N., *TSP 2021* 500-514
- Cui, S.,** *see* Ma, X., *TSP 2021* 6131-6147
- Cui, W.,** *see* Zhang, X., *TSP 2021* 2174-2187
- Cui, W.,** *see* Liang, Y., *TSP 2021* 4132-4148
- Cui, Y.,** *see* Wang, S., *TSP 2021* 5273-5288

D

- d'Afflissio, E.,** *see* Aubry, A., *TSP 2021* 270-283
- Dai, J.,** and So, H.C., Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays ; *TSP 2021* 4977-4990
- Dai, J.,** *see* Yan, J., *TSP 2021* 2410-2421
- Dai, J.,** Niu, K., Si, Z., and Zhang, D., Polar-Coded Spatial Modulation; *TSP 2021* 2203-2217
- Dai, L.,** *see* Zhang, Z., *TSP 2021* 4085-4101
- Dai, W.,** *see* Suliman, M.A., *TSP 2021* 1681-1696
- Dai, W.,** *see* Li, S., *TSP 2021* 3117-3131
- Dang, J.,** *see* Gong, Z., *TSP 2021* 4204-4218
- Dardari, D.,** *see* Guerra, A., *TSP 2021* 5723-5738
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- Dayal, P.,** *see* Nayebi, E., *TSP 2021* 655-668
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- De Vos, M.,** *see* De Ryck, T., *TSP 2021* 3513-3524
- Deng, H.,** *see* Fang, W., *TSP 2021* 3642-3652
- Deng, H.,** *see* Fang, W., *TSP 2021* 2833-2843
- Deng, H.,** *see* Liu, M., *TSP 2021* 2766-2778
- Deng, Z.,** *see* Chen, S., *TSP 2021* 4759-4773
- Depalle, P.,** *see* Neri, J., *TSP 2021* 3176-3189
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- Dhole, S.,** *see* Zhang, X., *TSP 2021* 6055-6070

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- Ding, J.,** see Mao, Y., *TSP 2021 5512-5522*
- Ding, K.,** Wu, J., and Xie, L., Minimum-Degree Distributed Graph Filter Design; *TSP 2021 1083-1096*
- Ding, M.,** see Xu, Y., *TSP 2021 401-416*
- Ding, Z.,** see Feres, C., *TSP 2021 6515-6529*
- Djuric, P.,** see Guerra, A., *TSP 2021 5723-5738*
- Djuric, P.M.,** see Tobar, F., *TSP 2021 73-87*
- Dmytryiv, S.,** see Bodnar, T., *TSP 2021 1-14*
- Dokmanic, I.,** see Huang, S., *TSP 2021 1811-1827*
- Dong, M.,** see Kiani, S., *TSP 2021 4652-4668*
- Dong, Y.,** Jiang, X., Zhou, H., Lin, Y., and Shi, Q., SR2CNN: Zero-Shot Learning for Signal Recognition; *TSP 2021 2316-2329*
- Dorpinghaus, M.,** see Neuhaus, P., *TSP 2021 5403-5418*
- Douik, A.,** see AlSharif, M.H., *TSP 2021 5078-5093*
- Dragotti, P.L.,** see Alexandru, R., *TSP 2021 5539-5554*
- Driessens, P.F.,** see Youssef, A., *TSP 2021 4371-4384*
- Du, C.,** see Li, F., *TSP 2021 2100-2113*
- Du, J.,** Han, M., Chen, Y., Jin, L., and Gao, F., Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems; *TSP 2021 6251-6266*
- Du, M.,** He, X., Cai, X., and Bi, D., Balanced Neural Architecture Search and Its Application in Specific Emitter Identification; *TSP 2021 5051-5065*
- Du, S.,** Liu, Z., Chen, Z., Yang, W., and Wang, S., Differentiable Bi-Sparse Multi-View Co-Clustering; *TSP 2021 4623-4636*
- Dung, N.V.,** see Thanh, L.T., *TSP 2021 2070-2085*
- Dvorkind, T.G.,** see Karo, I.Y., *TSP 2021 631-640*
- E**
- Ebrahimi, R.,** Zamiri-Jafarian, H., and Khademi, M., A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost; *TSP 2021 2468-2480*
- Eder, Y.,** and Todros, K., Robust Two-Sample Location Testing via Probability Measure Transform; *TSP 2021 4724-4739*
- Edfors, O.,** see Alegria, J.V., *TSP 2021 3627-3641*
- Ehsani, S.M.S.,** see Behmanesh, M., *TSP 2021 1271-1286*
- Eibert, T.F.,** see Kornprobst, J., *TSP 2021 1394-1406*
- El-Laham, Y.,** and Bugallo, M.F., Policy Gradient Importance Sampling for Bayesian Inference; *TSP 2021 4245-4256*
- Eldar, Y.,** see Liu, X., *TSP 2021 4991-5004*
- Eldar, Y.,** see Papageorgiou, G., *TSP 2021 3714-3729*
- Eldar, Y.,** see Li, Y., *TSP 2021 4801-4818*
- Eldar, Y.,** see Fu, R., *TSP 2021 3459-3472*
- Eldar, Y.,** see Sery, T., *TSP 2021 3796-3811*
- Eldar, Y.C.,** see Luo, M., *TSP 2021 6023-6039*
- Eldar, Y.C.,** see Cohen, A., *TSP 2021 3299-3314*
- Eldar, Y.C.,** see Shlezinger, N., *TSP 2021 500-514*
- Eldar, Y.C.,** see Neuhaus, P., *TSP 2021 5403-5418*
- Eldar, Y.C.,** see Khobahi, S., *TSP 2021 5651-5664*
- Eldar, Y.C.,** see Chen, S., *TSP 2021 3699-3713*
- Elia, N.,** see Alaviani, S.S., *TSP 2021 2611-2624*
- Elnakeeb, A.,** and Mitra, U., Bilinear Channel Estimation for MIMO OFDM: Lower Bounds and Training Sequence Optimization; *TSP 2021 1317-1331*
- Elvira, V.,** Martino, L., and Closas, P., Importance Gaussian Quadrature; *TSP 2021 474-488*
- Elvira, V.,** and Santamaría, I., Multiple Importance Sampling for Symbol Error Rate Estimation of Maximum-Likelihood Detectors in MIMO Channels; *TSP 2021 1200-1212*
- Elvira, V.,** see Koppel, A., *TSP 2021 6401-6415*
- Elzanaty, A.,** Guerra, A., Guidi, F., and Alouini, M., Reconfigurable Intelligent Surfaces for Localization: Position and Orientation Error Bounds; *TSP 2021 5386-5402*
- Enzner, G.,** see Yang, F., *TSP 2021 4906-4920*
- Erdogan, A.T.,** see Tatli, G., *TSP 2021 5431-5447*
- Erez, U.,** see Leshem, A., *TSP 2021 1874-1884*
- Ergut, S.,** see Vural, N.M., *TSP 2021 2541-2554*
- F**
- Fan, C.,** see Xu, Z., *TSP 2021 5359-5371*
- Fan, J.,** Yang, C., and Udell, M., Robust Non-Linear Matrix Factorization for Dictionary Learning, Denoising, and Clustering; *TSP 2021 1755-1770*
- Fan, P.,** see She, R., *TSP 2021 3854-3867*
- Fan, W.,** Liang, J., Lu, G., Fan, X., and So, H.C., Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM; *TSP 2021 1563-1578*
- Fan, X.,** see Fan, W., *TSP 2021 1563-1578*
- Fang, H.,** see Xiao, Z., *TSP 2021 1725-1739*
- Fang, H.,** see He, X., *TSP 2021 2422-2434*
- Fang, J.,** see Yang, H., *TSP 2021 1347-1361*
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- Farias, R.C.,** see Ghayem, F., *TSP 2021 4513-4528*
- Farina, A.,** see Liu, J., *TSP 2021 4544-4555*
- Farina, A.,** see Sadeghi, M., *TSP 2021 1642-1652*
- Fathallah-Shaykh, H.M.,** see Dera, D., *TSP 2021 4669-4684*
- Faus, M.,** Zoubir, A., and Poor, H.V., Minimax Robust Detection: Classic Results and Recent Advances; *TSP 2021 2252-2283*
- Feder, M.,** see Solodky, G., *TSP 2021 2026-2041*
- Feng, D.,** see Li, J., *TSP 2021 4949-4960*
- Feng, H.,** see Jiang, J., *TSP 2021 1968-1982*
- Feng, W.,** see Zhang, Q., *TSP 2021 6448-6461*
- Feng, Z.,** see Zhou, M., *TSP 2021 4357-4370*
- Feres, C.,** and Ding, Z., Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access; *TSP 2021 6515-6529*
- Fessler, J.A.,** see Hong, D., *TSP 2021 4819-4834*
- Fettweis, G.,** see Neuhaus, P., *TSP 2021 5403-5418*
- Fevotte, C.,** see Lahat, D., *TSP 2021 3059-3074*
- Fevotte, C.,** see Filstroff, L., *TSP 2021 1614-1626*
- Filstroff, L.,** Gouvert, O., Fevotte, C., and Cappe, O., A Comparative Study of Gamma Markov Chains for Temporal Non-Negative Matrix Factorization; *TSP 2021 1614-1626*
- Fink, J.,** Cavalcante, R., and Stanczak, S., Multi-Group Multicast Beamforming by Superiorized Projections Onto Convex Sets; *TSP 2021 5708-5722*
- Flandrin, P.,** see Komaty, A., *TSP 2021 2676-2688*
- Forster, P.,** see Meriaux, B., *TSP 2021 603-616*
- Fortunati, S.,** Sanguinetti, L., Gini, F., Greco, M.S., and Himed, B., Erratum to “Massive MIMO radar for target detection” *TSP 2021 3235*
- Francos, J.M.,** see Yavo, Z., *TSP 2021 4162-4176*
- Frey, M.,** Bjelakovic, I., and Stanczak, S., Over-the-Air Computation in Correlated Channels; *TSP 2021 5739-5755*
- Friedlander, B.,** Comments on “Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator” *TSP 2021 6399-6400*
- Fu, M.,** see Zhang, Z., *TSP 2021 3868-3877*
- Fu, R.,** Liu, Y., Huang, T., and Eldar, Y., Structured LISTA for Multidimensional Harmonic Retrieval; *TSP 2021 3459-3472*
- Fu, X.,** see Ibrahim, S., *TSP 2021 5189-5205*
- Fu, X.,** see Ibrahim, S., *TSP 2021 4116-4131*
- Fu, X.,** see Lyu, Q., *TSP 2021 4921-4936*
- G**
- Gabbouj, M.,** see Al-Sa'd, M., *TSP 2021 3963-3976*
- Gabrielaitis, M.,** Fast and Accurate Amplitude Demodulation of Wideband Signals; *TSP 2021 4039-4054*
- Gancza, A.,** Niedzwiecki, M., and Ciolek, M., Regularized Local Basis Function Approach to Identification of Nonstationary Processes; *TSP 2021 1665-1680*
- Gao, F.,** see Du, J., *TSP 2021 6251-6266*

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- Gao, X.**, *see* Wu, W., *TSP 2021* 1124-1139
- Gao, X.**, *see* You, L., *TSP 2021* 1407-1421
- Gao, X.**, *see* Chen, Y., *TSP 2021* 4685-4698
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- Gao, Y.**, *see* Ni, J., *TSP 2021* 2330-2342
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- Garcia-Fernandez, A.**, *see* Hassan, S., *TSP 2021* 4875-4887
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- Genton, M.G.**, *see* Das, S., *TSP 2021* 1579-1590
- Gerstoft, P.**, *see* Wagner, M., *TSP 2021* 2144-2157
- Gest, P.**, *see* Hellings, C., *TSP 2021* 1548-1562
- Gezici, S.**, *see* Ozturk, C., *TSP 2021* 4341-4356
- Gezici, S.**, *see* Ozturk, C., *TSP 2021* 2902-2912
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- Giannakis, G.B.**, *see* Fang, W., *TSP 2021* 3642-3652
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- Giannakis, G.B.**, *see* Liu, M., *TSP 2021* 2766-2778
- Gilman, K.**, *see* Hong, D., *TSP 2021* 4819-4834
- Gini, F.**, *see* Wang, X., *TSP 2021* 2302-2315
- Gini, F.**, *see* Fortunati, S., *TSP 2021* 3235
- Ginolhac, G.**, *see* Collas, A., *TSP 2021* 6546-6560
- Ginolhac, G.**, *see* Bouchard, F., *TSP 2021* 1185-1199
- Giunta, G.**, *see* Addabbo, P., *TSP 2021* 3730-3741
- Giunta, G.**, *see* Addabbo, P., *TSP 2021* 3742-3754
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- Gouvert, O.**, *see* Filstroff, L., *TSP 2021* 1614-1626
- Govoni, M.A.**, *see* Li, H., *TSP 2021* 3671-3684
- Greco, M.**, *see* Yan, J., *TSP 2021* 2410-2421
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- Guerra, A.**, *see* Elzanaty, A., *TSP 2021* 5386-5402
- Guidi, F.**, *see* Guerra, A., *TSP 2021* 5723-5738
- Guidi, F.**, *see* Elzanaty, A., *TSP 2021* 5386-5402
- Guo, H.**, *see* Zhu, Y., *TSP 2021* 5463-5478
- Guo, Q.**, *see* Luo, M., *TSP 2021* 6023-6039
- Guo, Q.**, *see* Yu, Z., *TSP 2021* 4055-4068
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- Guo, Q.**, *see* Mao, Y., *TSP 2021* 5512-5522
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- Guo, R.**, *see* Li, Y., *TSP 2021* 4102-4115
- Guo, W.**, *see* Huang, Y., *TSP 2021* 1952-1967
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- Gupta, A.K.**, *see* Kalhan, D.S., *TSP 2021* 932-947
- Guruacharya, S.**, Chalise, B.K., and Himed, B., MAP Ratio Test Detector for Radar System; *TSP 2021* 573-588

H

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- Haardt, M.**, *see* Khamidullina, L., *TSP 2021* 3220-3234
- Hahn, N.**, Schultz, F., and Spors, S., Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions; *TSP 2021* 4502-4512
- Haimovich, A.M.**, *see* Li, Y., *TSP 2021* 3315-3324
- Haitman, Y.**, *see* Yavo, Z., *TSP 2021* 4162-4176
- Hammes, C.**, M. R., B.S., and Ottersten, B., Generalized Multiplexed Waveform Design Framework for Cost-Optimized MIMO Radar; *TSP 2021* 88-102
- Han, L.**, *see* Yang, Y., *TSP 2021* 3473-3483
- Han, M.**, *see* Du, J., *TSP 2021* 6251-6266
- Han, S.**, *see* Addabbo, P., *TSP 2021* 3730-3741
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- Hanzo, L.**, *see* Xing, C., *TSP 2021* 738-754
- Hanzo, L.**, *see* Xing, C., *TSP 2021* 179-194
- Hao, C.**, *see* Han, S., *TSP 2021* 560-572
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- Hassan, S.**, Sarkka, S., and Garcia-Fernandez, A., Temporal Parallelization of Inference in Hidden Markov Models; *TSP 2021* 4875-4887
- Hassani, H.**, *see* Kalhan, D.S., *TSP 2021* 932-947
- Hassanien, A.**, *see* Shaw, A., *TSP 2021* 6116-6130
- Hassibi, B.**, *see* AlSharif, M.H., *TSP 2021* 5078-5093
- He, F.**, *see* Zhang, G., *TSP 2021* 1627-1641
- He, Q.**, *see* Li, Y., *TSP 2021* 3315-3324
- He, Q.**, *see* Wang, Z., *TSP 2021* 6083-6100
- He, X.**, and Wu, Y., Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming; *TSP 2021* 682-694
- He, X.**, and Wu, Y., Corrections to “Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming” *TSP 2021* 1664
- He, X.**, Johansson, K.H., and Fang, H., Distributed Design of Robust Kalman Filters Over Corrupted Channels; *TSP 2021* 2422-2434
- He, X.**, *see* Du, M., *TSP 2021* 5051-5065

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- Heins, P.,** see Koulouri, A., *TSP 2021* 165-178
- Hellings, C.,** Gest, P., Wiegart, T., and Utschick, W., Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel; *TSP 2021* 1548-1562
- Hellkvist, M.,** Ozcelikkale, A., and Ahlen, A., Linear Regression With Distributed Learning: A Generalization Error Perspective; *TSP 2021* 5479-5495
- Hendeby, G.,** see Kullberg, A., *TSP 2021* 4149-4161
- Hermann, C.,** see Herrmann, M., *TSP 2021* 5159-5174
- Hero, A.,** see Yilmaz, Y., *TSP 2021* 5175-5188
- Hero, A.O.,** see Robinson, B.D., *TSP 2021* 2939-2954
- Herrmann, M.,** Hermann, C., and Buchholz, M., Distributed Implementation of the Centralized Generalized Labeled Multi-Bernoulli Filter; *TSP 2021* 5159-5174
- Himed, B.,** see Guruacharya, S., *TSP 2021* 573-588
- Himed, B.,** see Fortunati, S., *TSP 2021* 3235
- Ho, D.K.C.,** see Wang, G., *TSP 2021* 3415-3430
- Ho, J.,** see Hwang, W., *TSP 2021* 2233-2251
- Holighaus, N.,** see Marafioti, A., *TSP 2021* 3585-3596
- Hong, D.,** Gilman, K., Balzano, L., and Fessler, J.A., HePPCAT: Probabilistic PCA for Data With Heteroscedastic Noise; *TSP 2021* 4819-4834
- Hong, M.,** see Lu, S., *TSP 2021* 4859-4874
- Hong, M.,** see Zhang, X., *TSP 2021* 6055-6070
- Hong, Y.,** see Woo, H., *TSP 2021* 6473-6487
- Hoseinnezhad, R.,** see Gostar, A.K., *TSP 2021* 878-891
- Hoseinnezhad, R.,** see Yuan, Y., *TSP 2021* 443-458
- Houssineau, J.,** A Linear Algorithm for Multi-Target Tracking in the Context of Possibility Theory; *TSP 2021* 2740-2751
- Hu, B.,** and Principe, J.C., MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function; *TSP 2021* 6039-6054
- Hu, D.,** see Xie, R., *TSP 2021* 4787-4800
- Hu, Y.,** see Tang, B., *TSP 2021* 1924-1937
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- Hua, G.,** see Zhang, H., *TSP 2021* 4296-4311
- Hua, X.,** Ono, Y., Peng, L., Cheng, Y., and Wang, H., Target Detection Within Nonhomogeneous Clutter Via Total Bregman Divergence-Based Matrix Information Geometry Detectors; *TSP 2021* 4326-4340
- Huang, C.,** see Yang, G., *TSP 2021* 5815-5829
- Huang, D.,** see Luo, M., *TSP 2021* 6023-6039
- Huang, J.,** see Kuzminskiy, A.M., *TSP 2021* 5134-5146
- Huang, L.,** see Ke, X., *TSP 2021* 1012-1027
- Huang, L.,** see Wang, H., *TSP 2021* 5994-6008
- Huang, L.Y.,** see Zheng, X.X., *TSP 2021* 6101-6115
- Huang, M.,** Ma, S., and Lai, L., Robust Low-Rank Matrix Completion via an Alternating Manifold Proximal Gradient Continuation Method; *TSP 2021* 2639-2652
- Huang, S.,** and Dokmanic, I., Reconstructing Point Sets From Distance Distributions; *TSP 2021* 1811-1827
- Huang, T.,** see Wang, L., *TSP 2021* 1378-1393
- Huang, T.,** see Liu, X., *TSP 2021* 4991-5004
- Huang, T.,** see Li, Y., *TSP 2021* 4801-4818
- Huang, T.,** see Fu, R., *TSP 2021* 3459-3472
- Huang, X.,** see Ni, Z., *TSP 2021* 1287-1300
- Huang, X.,** see Xu, Z., *TSP 2021* 5359-5371
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- Huang, Y.,** see Zheng, Z., *TSP 2021* 5345-5358
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- Huemer, M.,** see Paireder, T., *TSP 2021* 2569-2584
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Jutten, C., *see* Roonizi, A.K., *TSP* 2021 1797-1810

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Kang, J., *see* Park, S., *TSP* 2021 226-239
Kar, S., *see* Xin, R., *TSP* 2021 1842-1858
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Karystinos, G.N., *see* Kamrani, H., *TSP* 2021 240-255
Kassas, Z.M., *see* Shamaei, K., *TSP* 2021 2689-2705
Kautsky, V., *see* Koldovsky, Z., *TSP* 2021 2158-2173
Kayhan, F., *see* Haqiqatnejad, A., *TSP* 2021 5595-5610
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Khademi, M., *see* Ebrahimi, R., *TSP* 2021 2468-2480
Khalid, Z., *see* Aslam, A., *TSP* 2021 4474-4485
Khalili, A., *see* Zakeri, A., *TSP* 2021 2481-2498
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Kim, D.Y., *see* Nguyen, T.T.D., *TSP* 2021 5611-5626
Kim, J., Wang, J., and Shim, B., Optimal Restricted Isometry Condition of Normalized Sampling Matrices for Exact Sparse Recovery With Orthogonal Least Squares; *TSP* 2021 1521-1536
Kim, J., *see* Nguyen, L.T., *TSP* 2021 6299-6313
Kim, J., *see* Song, M., *TSP* 2021 5120-5133
Kim, J., *see* Kibria, S., *TSP* 2021 5859-5874
Kim, T., *see* Xiong, G., *TSP* 2021 119-135
Kim, Y., *see* Venkatesha, Y., *TSP* 2021 6183-6194
King-Roskamp, M., *see* Adcock, B., *TSP* 2021 3160-3175
Kirubarajan, T., *see* Arulampalam, S., *TSP* 2021 6488-6503
Knapp, J., *see* Kornprobst, J., *TSP* 2021 1394-1406
Koc, A., *see* Ozturk, C., *TSP* 2021 2902-2912
Koivunen, V., *see* Rajamaki, R., *TSP* 2021 1697-1712
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Koppel, A., *see* Kalhan, D.S., *TSP* 2021 932-947
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Koulouri, A., Heins, P., and Burger, M., Adaptive Superresolution in Deconvolution of Sparse Peaks; *TSP* 2021 165-178
Koyama, S., *see* Ueno, N., *TSP* 2021 2383-2395
Kozat, S.S., *see* Vural, N.M., *TSP* 2021 2541-2554
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Lai, L., *see* Huang, M., *TSP* 2021 2639-2652
Lai, L., *see* Li, F., *TSP* 2021 5580-5594
Lai, L., *see* Jin, Y., *TSP* 2021 515-530
Lai, L., *see* Ma, X., *TSP* 2021 6131-6147
Lall, B., *see* Grover, A., *TSP* 2021 1938-1951
Lambotharan, S., *see* Hassan, D., *TSP* 2021 948-959
Lan, J., *see* Zhang, L., *TSP* 2021 3812-3825
Lan, J., *see* Zhang, G., *TSP* 2021 1627-1641

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- Liao, B.,** see Cheng, Z., *TSP* 2021 28-41
- Liao, G.,** see Wang, H., *TSP* 2021 5994-6008
- Lim, A.,** see Wang, S., *TSP* 2021 5963-5978
- Lin, E.,** see Yang, Y., *TSP* 2021 3383-3398
- Lin, J.,** see Wu, X., *TSP* 2021 1226-1241
- Lin, Y.,** see Dong, Y., *TSP* 2021 2316-2329
- Ling, Q.,** see Wu, Z., *TSP* 2021 3839-3853
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- Liu, Q.**, see Wang, J., *TSP 2021* 5234-5249
- Liu, Q.**, see Liu, M., *TSP 2021* 2766-2778
- Liu, W.**, see Zhang, H., *TSP 2021* 1591-1602
- Liu, W.**, see Liang, Y., *TSP 2021* 4132-4148
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- Liu, X.**, see Shi, J., *TSP 2021* 4740-4757
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- Liu, X.**, see She, R., *TSP 2021* 3854-3867
- Liu, Y.**, see Wang, L., *TSP 2021* 1378-1393
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- Liu, Y.**, see Zhou, M., *TSP 2021* 4357-4370
- Liu, Y.**, see Zhang, X., *TSP 2021* 6055-6070
- Liu, Y.**, see Fu, R., *TSP 2021* 3459-3472
- Liu, Y.**, see Yang, Y., *TSP 2021* 3473-3483
- Liu, Z.**, see Du, S., *TSP 2021* 4623-4636
- Lops, M.**, see Grossi, E., *TSP 2021* 3541-3554
- Lops, M.**, see Qian, J., *TSP 2021* 5891-5906
- Lops, M.**, see Johnston, J., *TSP 2021* 2818-2832
- Loubaton, P.**, see Rosuel, A., *TSP 2021* 4458-4473
- Love, D.J.**, see Xiong, G., *TSP 2021* 119-135
- Lu, A.**, see Chen, Y., *TSP 2021* 4685-4698
- Lu, G.**, see Fan, W., *TSP 2021* 1563-1578
- Lu, S.**, see Liu, L., *TSP 2021* 3991-4006
- Lu, S.**, Lee, J., Razaviyayn, M., and Hong, M., Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems; *TSP 2021* 4859-4874
- Lu, X.**, Xu, B., Yeo, T.S., Su, W., and Gu, H., Co-Located MIMO Radar Target Detection in Cluttered and Noisy Environment Based on 2D Block Sparse Recovery; *TSP 2021* 3431-3445
- Luo, D.**, see Song, H., *TSP 2021* 3088-3103
- Luo, H.**, Li, Q., Yang, L., and Qin, J., A Fast Algorithm for Fractional QCQP and Applications to Secure Beamforming in Cognitive Nonorthogonal Multiple Access Networks; *TSP 2021* 6237-6250
- Luo, K.**, see Xie, R., *TSP 2021* 4787-4800
- Luo, M.**, Guo, Q., Jin, M., Eldar, Y.C., Huang, D., and Meng, X., Unitary Approximate Message Passing for Sparse Bayesian Learning; *TSP 2021* 6023-6039
- Luo, M.**, see Yuan, Z., *TSP 2021* 617-630
- Luo, Z.**, see Wang, Z., *TSP 2021* 4486-4501
- Lyu, Q.**, see Alghunaim, S.A., *TSP 2021* 5568-5579
- Lyu, Q.**, and Fu, X., Identifiability-Guaranteed Simplex-Structured Post-Non-linear Mixture Learning via Autoencoder ; *TSP 2021* 4921-4936
- Lyu, S.**, see Wang, Z., *TSP 2021* 195-209
- Lyu, Z.**, see Amjad, J., *TSP 2021* 6371-6385
- M**
- M. R., B.S.**, see Hammes, C., *TSP 2021* 88-102
- M. Zoubir, A.**, see Jin, D., *TSP 2021* 3782-3795
- Ma, C.**, see Tong, T., *TSP 2021* 2396-2409
- Ma, C.**, Li, Y., and Chi, Y., Beyond Procrustes: Balancing-Free Gradient Descent for Asymmetric Low-Rank Matrix Sensing ; *TSP 2021* 867-877
- Ma, S.**, see Xing, C., *TSP 2021* 738-754
- Ma, S.**, see Huang, M., *TSP 2021* 2639-2652
- Ma, S.**, see Gong, S., *TSP 2021* 3016-3032
- Ma, S.**, see Xing, C., *TSP 2021* 179-194
- Ma, S.**, see Chen, S., *TSP 2021* 4759-4773
- Ma, T.**, Song, E., and Shi, Q., Globally Convergent Gradient Projection Type Algorithms for a Class of Robust Hypothesis Testings; *TSP 2021* 1828-1841
- Ma, T.**, see Zhang, L., *TSP 2021* 2114-2128
- Ma, W.**, Editorial A (Belated) Message From the New EiC; *TSP 2021* 4888-4889
- Ma, W.**, see Shao, M., *TSP 2021* 781-796
- Ma, X.**, Lai, L., and Cui, S., Two-Stage Bayesian Sequential Change Diagnosis; *TSP 2021* 6131-6147
- Ma, Y.**, see Liu, L., *TSP 2021* 5313-5328
- Madanayake, A.**, see Coelho, D., *TSP 2021* 4557-4566
- Madhow, U.**, see Gupta, A., *TSP 2021* 5756-5769
- Magnusson, S.**, see Khirirat, S., *TSP 2021* 998-1011
- Mahajan, A.**, see Afshari, M., *TSP 2021* 5206-5221
- Majdak, P.**, see Marafioti, A., *TSP 2021* 3585-3596
- Malek, J.**, see Koldovsky, Z., *TSP 2021* 2158-2173
- Maleki, A.**, see Ghods, R., *TSP 2021* 5105-5119
- Maleki, A.**, see Jeon, C., *TSP 2021* 6071-6082
- Malinas, R.**, see Robinson, B.D., *TSP 2021* 2939-2954
- Mandic, D.P.**, see Li, Z., *TSP 2021* 4257-4268
- Mani, A.**, Varshney, L.R., and Pentland, A., Quantization Games on Social Networks and Language Evolution ; *TSP 2021* 3922-3934
- Mansoori, F.**, and Wei, E., FlexPD: A Flexible Framework of First-Order Primal-Dual Algorithms for Distributed Optimization; *TSP 2021* 3500-3512
- Mao, Y.**, Guo, Q., Ding, J., Liu, F., and Yu, Y., Marginal Likelihood Maximization Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation; *TSP 2021* 5512-5522
- Marafioti, A.**, Holighaus, N., and Majdak, P., Time-Frequency Phase Retrieval for Audio—The Effect of Transform Parameters; *TSP 2021* 3585-3596
- Marano, S.**, and Sayed, A.H., Decision Learning and Adaptation Over Multi-Task Networks; *TSP 2021* 2873-2887
- Marano, S.**, see Aubry, A., *TSP 2021* 5920-5934
- Markel, V.A.**, see Levinson, H.W., *TSP 2021* 3484-3499
- Markopoulos, P.P.**, see Kamrani, H., *TSP 2021* 240-255
- Martinez-Nuevo, P.**, Nonuniform Sampling Rate Conversion:An Efficient Approach; *TSP 2021* 2913-2922
- Martino, L.**, see Elvira, V., *TSP 2021* 474-488
- Masouros, C.**, see Zhang, J., *TSP 2021* 3268-3282
- Masouros, C.**, see Chen, L., *TSP 2021* 2752-2765
- Massicotte, D.**, see Jaber, M.A., *TSP 2021* 1468-1476
- Mazoure, B.**, see Mazza-Anthony, C., *TSP 2021* 489-499
- Mazza-Anthony, C.**, Mazoure, B., and Coates, M., Learning Gaussian Graphical Models With Ordered Weighted ℓ_1 Regularization ; *TSP 2021* 489-499
- McKay, M.**, see Auguin, N., *TSP 2021* 2625-2638
- McWhirter, J.G.**, see Hassan, D., *TSP 2021* 948-959
- Medard, M.**, see Cohen, A., *TSP 2021* 3299-3314
- Medina, D.**, see Li, H., *TSP 2021* 357-369
- Mei, J.**, see Qian, G., *TSP 2021* 2188-2202
- Meignen, S.**, see Laurent, N., *TSP 2021* 3325-3336
- Meir, E.**, and Routtenberg, T., Cramér-Rao Bound for Estimation After Model Selection and Its Application to Sparse Vector Estimation; *TSP 2021* 2284-2301
- Meng, X.**, see Luo, M., *TSP 2021* 6023-6039
- Merched, R.**, see Zhang, S., *TSP 2021* 5419-5430
- Meriaux, B.**, Ren, C., Breloy, A., Korso, M.N.E., and Forster, P., Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions; *TSP 2021* 603-616
- Mestre, X.**, see Rosuel, A., *TSP 2021* 4458-4473
- Mestre, X.**, see Schenck, D., *TSP 2021* 852-866
- Meyer, F.**, and Williams, J., Scalable Detection and Tracking of Geometric Extended Objects; *TSP 2021* 6283-6298
- Meynard, A.**, and Wu, H., An Efficient Forecasting Approach to Reduce Boundary Effects in Real-Time Time-Frequency Analysis; *TSP 2021* 1653-1663
- Miettinen, J.**, Nitzan, E., Vorobyov, S.A., and Ollila, E., Graph Signal Processing Meets Blind Source Separation; *TSP 2021* 2585-2599
- Millefiori, L.M.**, see Aubry, A., *TSP 2021* 270-283
- Millioz, F.**, see Karkouri, J., *TSP 2021* 5289-5298

- Miretti, L.**, Cavalcante, R.L.G., and Stanczak, S., Channel Covariance Conversion and Modelling Using Infinite Dimensional Hilbert Spaces; *TSP 2021 3145-3159*
- Mirzaei, J.**, ShahbazPanahi, S., Sohrabi, F., and Adve, R., Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems; *TSP 2021 5784-5800*
- Mishra, K.V.**, *see* Sedighi, S., *TSP 2021 2525-2540*
- Mitra, A.**, Richards, J., Bagchi, S., and Sundaram, S., Distributed Inference With Sparse and Quantized Communication; *TSP 2021 3906-3921*
- Mitra, U.**, *see* Elnakeeb, A., *TSP 2021 1317-1331*
- Mo, Y.**, *see* Li, Z., *TSP 2021 3044-3058*
- Moa, B.**, *see* Youssef, A., *TSP 2021 4371-4384*
- Mohammadi, J.**, *see* Imtiaz, H., *TSP 2021 6355-6370*
- Mohammadkarimi, M.**, *see* Roshandeh, K.P., *TSP 2021 641-654*
- Mokari, N.**, *see* Zakeri, A., *TSP 2021 2481-2498*
- Molavipour, S.**, Bassi, G., and Skoglund, M., Neural Estimators for Conditional Mutual Information Using Nearest Neighbors Sampling; *TSP 2021 766-780*
- Mollaebrahim, S.**, and Beferull-Lozano, B., Design of Asymmetric Shift Operators for Efficient Decentralized Subspace Projection; *TSP 2021 2056-2069*
- Mollaebrahim, S.**, *see* Romero, D., *TSP 2021 150-164*
- Monga, V.**, *see* Shi, J., *TSP 2021 4740-4757*
- Monich, U.J.**, *see* Boche, H., *TSP 2021 103-118*
- Monich, U.J.**, *see* Boche, H., *TSP 2021 5523-5538*
- Moradipari, A.**, Amani, S., Alizadeh, M., and Thrampoulidis, C., Safe Linear Thompson Sampling With Side Information; *TSP 2021 3755-3767*
- Morales-Jimenez, D.**, *see* Auguin, N., *TSP 2021 2625-2638*
- Morency, M.W.**, and Leus, G., Graphon Filters: Graph Signal Processing in the Limit; *TSP 2021 1740-1754*
- Moscoso, M.**, Novikov, A., Papanicolaou, G., and Tsogka, C., Fast Signal Recovery From Quadratic Measurements; *TSP 2021 2042-2055*
- Motz, C.**, *see* Paireder, T., *TSP 2021 2569-2584*
- Mousavi, A.**, *see* Geng, H., *TSP 2021 546-559*
- Mukhopadhyay, S.**, and Chakraborty, M., A Two Stage Generalized Block Orthogonal Matching Pursuit (TSGBOMP) Algorithm; *TSP 2021 5846-5858*
- Muma, M.**, *see* Schroth, C., *TSP 2021 3525-3540*
- Muma, M.**, *see* Schroth, C., *TSP 2021 3947-3962*
- Murthy, C.R.**, *see* Prasanna, D., *TSP 2021 2356-2370*
- Murthy, C.R.**, *see* Sasmal, P., *TSP 2021 2343-2355*
- Murthy, C.R.**, *see* Chopra, R., *TSP 2021 4219-4233*
- Musluoglu, C.A.**, and Bertrand, A., Distributed Adaptive Trace Ratio Optimization in Wireless Sensor Networks; *TSP 2021 3653-3670*
- Mysore R, B.S.**, *see* Rac, E., *TSP 2021 3283-3298*
- Mysore R, B.S.**, *see* Sedighi, S., *TSP 2021 6165-6182*
- N**
- Nadeev, A.**, *see* Podkurkov, I., *TSP 2021 5830-5845*
- Nakatani, T.**, *see* Ikeshita, R., *TSP 2021 3252-3267*
- Nanjundaswamy, T.**, *see* Salehifar, M., *TSP 2021 1787-1796*
- Narayanan, S.**, *see* Somandepalli, K., *TSP 2021 4774-4786*
- Nascimento, V.H.**, *see* Claser, R., *TSP 2021 3104-3116*
- Nayebi, E.**, Dayal, P., and Song, K., Adaptive IQ Mismatch Compensation in Time-Domain Using Frequency-Domain Observations; *TSP 2021 655-668*
- Neri, J.**, Depalle, P., and Badeau, R., Approximate Inference and Learning of State Space Models With Laplace Noise; *TSP 2021 3176-3189*
- Neuhaus, P.**, Shlezinger, N., Dorpinghaus, M., Eldar, Y.C., and Fettweis, G., Task-Based Analog-to-Digital Converters; *TSP 2021 5403-5418*
- Ng, D.W.K.**, *see* You, L., *TSP 2021 1407-1421*
- Ng, K.H.R.**, Tatinati, S., and Khong, A.W.H., Grade Prediction From Multi-Valued Click-Stream Traces via Bayesian-Regularized Deep Neural Networks; *TSP 2021 1477-1491*
- Nguyen, D.H.N.**, *see* Nguyen, L.V., *TSP 2021 2086-2099*
- Nguyen, H.V.**, Rezatofighi, H., Vo, B., and Ranasinghe, D.C., Distributed Multi-Object Tracking Under Limited Field of View Sensors; *TSP 2021 5329-5344*
- Nguyen, L.T.**, Kim, J., and Shim, B., Gradual Federated Learning With Simulated Annealing; *TSP 2021 6299-6313*
- Nguyen, L.V.**, Swindlehurst, A.L., and Nguyen, D.H.N., SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems; *TSP 2021 2086-2099*
- Nguyen, T.T.D.**, Vo, B., Vo, B., Kim, D.Y., and Choi, Y.S., Tracking Cells and Their Lineages Via Labeled Random Finite Sets; *TSP 2021 5611-5626*
- Ni, J.**, Gao, Y., Chen, X., and Chen, J., Bias-Compensated Sign Algorithm for Noisy Inputs and Its Step-Size Optimization; *TSP 2021 2330-2342*
- Ni, J.**, *see* Zhang, M., *TSP 2021 589-602*
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- Niedzwiecki, M.**, *see* Gancza, A., *TSP 2021 1665-1680*
- Nikiforov, I.V.**, *see* Tartakovsky, A.G., *TSP 2021 2653-2662*
- Nitzan, E.**, *see* Miettinen, J., *TSP 2021 2585-2599*
- Niu, D.**, *see* Zhang, L., *TSP 2021 2114-2128*
- Niu, K.**, and Li, Y., Polar Coded Diversity on Block Fading Channels Via Polar Spectrum; *TSP 2021 4007-4022*
- Niu, K.**, *see* Dai, J., *TSP 2021 2203-2217*
- Novikov, A.**, and White, S., Support Recovery for Sparse Multidimensional Phase Retrieval; *TSP 2021 4403-4415*
- Novikov, A.**, *see* Moscoso, M., *TSP 2021 2042-2055*
- O**
- Okhrin, Y.**, *see* Bodnar, T., *TSP 2021 1-14*
- Ollila, E.**, *see* Miettinen, J., *TSP 2021 2585-2599*
- Ollila, E.**, *see* Raninen, E., *TSP 2021 5681-5692*
- Ollila, E.**, Palomar, D.P., and Pascal, F., Shrinking the Eigenvalues of M-Estimators of Covariance Matrix; *TSP 2021 256-269*
- Ono, S.**, *see* Kyochi, S., *TSP 2021 2923-2938*
- Ono, Y.**, *see* Hua, X., *TSP 2021 4326-4340*
- Orlando, D.**, *see* Addabbo, P., *TSP 2021 3730-3741*
- Orlando, D.**, *see* Liu, J., *TSP 2021 4544-4555*
- Orlando, D.**, *see* Addabbo, P., *TSP 2021 1070-1082*
- Orlando, D.**, *see* Addabbo, P., *TSP 2021 3742-3754*
- Orlando, D.**, *see* Han, S., *TSP 2021 560-572*
- Ottersten, B.**, *see* Haqiqatnejad, A., *TSP 2021 5595-5610*
- Ottersten, B.**, *see* Sedighi, S., *TSP 2021 2525-2540*
- Ottersten, B.**, *see* Sedighi, S., *TSP 2021 6165-6182*
- Ottersten, B.**, *see* Hammes, C., *TSP 2021 88-102*
- Ovarlez, J.**, *see* Collas, A., *TSP 2021 6546-6560*
- Ozaktas, H.M.**, *see* Ozturk, C., *TSP 2021 2902-2912*
- Ozelikale, A.**, *see* vandelaar, T., *TSP 2021 4234-4244*
- Ozelikale, A.**, *see* Hellkvist, M., *TSP 2021 5479-5495*
- Ozkan, E.**, *see* Tuncer, B., *TSP 2021 1910-1923*
- Ozturk, C.**, and Gezici, S., Eavesdropper and Jammer Selection in Wireless Source Localization Networks; *TSP 2021 4341-4356*
- Ozturk, C.**, Ozaktas, H.M., Gezici, S., and Koc, A., Optimal Fractional Fourier Filtering for Graph Signals; *TSP 2021 2902-2912*
- P**
- Pados, D.A.**, *see* Kamrani, H., *TSP 2021 240-255*
- Paireder, T.**, Motz, C., and Huemer, M., Enhanced Propriety-Based I/Q Imbalance Compensation in LTE/NR Receivers; *TSP 2021 2569-2584*
- Palomar, D.P.**, *see* Breloy, A., *TSP 2021 1507-1520*
- Palomar, D.P.**, *see* Zhou, R., *TSP 2021 892-904*
- Palomar, D.P.**, *see* Ollila, E., *TSP 2021 256-269*
- Pan, C.**, *see* Peng, Z., *TSP 2021 837-851*
- Panda, P.**, *see* Venkatesha, Y., *TSP 2021 6183-6194*
- Pang, J.**, *see* Wang, S., *TSP 2021 5273-5288*
- Papageorgiou, G.**, Sellathurai, M., and Eldar, Y., Deep Networks for Direction-of-Arrival Estimation in Low SNR; *TSP 2021 3714-3729*
- Papanicolaou, G.**, *see* Moscoso, M., *TSP 2021 2042-2055*
- Parada-Mayorga, A.**, and Ribeiro, A., Algebraic Neural Networks: Stability to Deformations; *TSP 2021 3351-3366*

- Park, S.**, Jang, H., Simeone, O., and Kang, J., Learning to Demodulate From Few Pilots via Offline and Online Meta-Learning; *TSP 2021* 226-239
- Park, S.**, Kalman Filtering Based Combining for MIMO Systems With Hybrid ARQ; *TSP 2021* 5250-5258
- Park, Y.**, see Wagner, M., *TSP 2021* 2144-2157
- Parolya, N.**, see Bodnar, T., *TSP 2021* 1-14
- Pascal, F.**, see Bouchard, F., *TSP 2021* 1185-1199
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- Pascual Campo, P.**, Anttila, L., Korpi, D., and Valkama, M., Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications; *TSP 2021* 370-384
- Paulus, A.**, see Kornprobst, J., *TSP 2021* 1394-1406
- Pei, W.**, see Li, Z., *TSP 2021* 4257-4268
- Peng, L.**, see Hua, X., *TSP 2021* 4326-4340
- Peng, X.**, see Chen, W., *TSP 2021* 1995-2009
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- Pentland, A.**, see Mani, A., *TSP 2021* 3922-3934
- Perera, S.**, see Coelho, D., *TSP 2021* 4557-4566
- Perrins, E.**, see Xiong, G., *TSP 2021* 119-135
- Pesavento, M.**, see Schenck, D., *TSP 2021* 852-866
- Pesquet, J.**, see Combettes, P.L., *TSP 2021* 3878-3905
- Pham, A.T.**, see Pham, T.V., *TSP 2021* 824-825
- Pham, T.V.**, and Pham, A.T., Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”; *TSP 2021* 824-825
- Plis, S.M.**, see Imtiaz, H., *TSP 2021* 6355-6370
- Podgorski, K.**, see Baxevani, A., *TSP 2021* 2779-2794
- Podkukrov, I.**, Seidl, G., Khamidullina, L., Nadeev, A., and Haardt, M., Tensor-Based Near-Field Localization Using Massive Antenna Arrays; *TSP 2021* 5830-5845
- Podkukrov, I.**, see Khamidullina, L., *TSP 2021* 3220-3234
- Pohl, V.**, see Boche, H., *TSP 2021* 5005-5020
- Poor, H.V.**, see Xing, C., *TSP 2021* 738-754
- Poor, H.V.**, see Shlezinger, N., *TSP 2021* 500-514
- Poor, H.V.**, see Wang, J., *TSP 2021* 5234-5249
- Poor, H.V.**, see Faus, M., *TSP 2021* 2252-2283
- Poor, H.V.**, see Xing, C., *TSP 2021* 179-194
- Prasanna, D.**, and Murthy, C.R., mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation; *TSP 2021* 2356-2370
- Pratik, K.**, Rao, B.D., and Welling, M., RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection; *TSP 2021* 459-473
- Principe, J.C.**, see Hu, B., *TSP 2021* 6039-6054
- Prost, R.**, see Karkouri, J., *TSP 2021* 5289-5298
- Proudler, I.**, see Weiss, S., *TSP 2021* 722-737
- Pu, R.**, see Li, Z., *TSP 2021* 4257-4268
- Pu, W.**, see Yan, J., *TSP 2021* 2410-2421
- Puschel, M.**, Seifert, B., and Wendler, C., Discrete Signal Processing on Meet-Join Lattices; *TSP 2021* 3571-3584
- Puschel, M.**, see Seifert, B., *TSP 2021* 1422-1437
- Puschel, M.**, and Wendler, C., Discrete Signal Processing with Set Functions; *TSP 2021* 1039-1053

Q

- Qian, G.**, Mei, J., Iu, H.H.C., and Wang, S., Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter; *TSP 2021* 2188-2202
- Qian, J.**, Venturino, L., Lops, M., and Wang, X., Radar and Communication Spectral Coexistence in Range-Dependent Interference; *TSP 2021* 5891-5906
- Qin, J.**, see Luo, H., *TSP 2021* 6237-6250
- Qin, J.**, see Jiang, M., *TSP 2021* 986-997
- Qin, Z.**, see Xie, H., *TSP 2021* 2663-2675
- Qiu, Y.**, see Yu, G., *TSP 2021* 4890-4905
- Quan, Y.**, see Wang, H., *TSP 2021* 5994-6008

- Quek, T.Q.**, see Yang, X., *TSP 2021* 314-327
- Quek, T.Q.S.**, see Liu, A., *TSP 2021* 3000-3015

R

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- Rafaely, B.**, see Shlomo, T., *TSP 2021* 1213-1225
- Rahmani, M.**, and Li, P., Closed-Form, Provable, and Robust PCA via Leveraged Statistics and Innovation Search; *TSP 2021* 3132-3144
- Raih, R.**, see Kibria, S., *TSP 2021* 5859-5874
- Rajabzadeh, M.**, see Tabatabaee, S.M.J.A., *TSP 2021* 5147-5158
- Rajamaki, R.**, and Koivunen, V., Sparse Symmetric Linear Arrays With Low Redundancy and a Contiguous Sum Co-Array; *TSP 2021* 1697-1712
- Rajan, D.**, see Cadena, J., *TSP 2021* 1713-1724
- Rajawat, K.**, see Idrees, B.M., *TSP 2021* 4177-4191
- Rajawat, K.**, see Akhtar, Z., *TSP 2021* 3190-3205
- Rajawat, K.**, see Kalhan, D.S., *TSP 2021* 932-947
- Rajawat, K.**, see Bedi, A.S., *TSP 2021* 428-442
- Ramakrishna, R.**, and Scaglione, A., Grid-Graph Signal Processing (Grid-GSP): A Graph Signal Processing Framework for the Power Grid; *TSP 2021* 2725-2739
- Raman, R.K.**, see Seo, D., *TSP 2021* 6221-6236
- Ramos, L.M.L.**, see Zaman, B., *TSP 2021* 210-225
- Ranasinghe, D.C.**, see Nguyen, H.V., *TSP 2021* 5329-5344
- Rangaswamy, M.**, see Kang, B., *TSP 2021* 2795-2806
- Raninen, E.**, and Ollila, E., Coupled Regularized Sample Covariance Matrix Estimator for Multiple Classes; *TSP 2021* 5681-5692
- Rao, B.D.**, see Pratik, K., *TSP 2021* 459-473
- Raphaeli, D.**, see Rogel, N., *TSP 2021* 5907-5919
- Raskar, R.**, see Bhandari, A., *TSP 2021* 3827-3839
- Rasool, G.**, see Dera, D., *TSP 2021* 4669-4684
- Rathnayake, T.**, see Gostar, A.K., *TSP 2021* 878-891
- Ratiney, H.**, see Karkouri, J., *TSP 2021* 5289-5298
- Ray, P.**, see Cadena, J., *TSP 2021* 1713-1724
- Razaviyayn, M.**, see Lu, S., *TSP 2021* 4859-4874
- Redif, S.**, see Hassan, D., *TSP 2021* 948-959
- Ren, C.**, see Collas, A., *TSP 2021* 6546-6560
- Ren, C.**, see Meriaux, B., *TSP 2021* 603-616
- Renaux, A.**, see Bouchard, F., *TSP 2021* 1185-1199
- Rezatofighi, H.**, see Nguyen, H.V., *TSP 2021* 5329-5344
- Ribeiro, A.**, see Parada-Mayorga, A., *TSP 2021* 3351-3366
- Ribeiro, A.**, see Gao, Z., *TSP 2021* 4428-4443
- Ribeiro, A.**, see Ruiz, L., *TSP 2021* 4961-4976
- Ribeiro, A.**, see Cervino, J., *TSP 2021* 5947-5962
- Ricci, G.**, see Addabbo, P., *TSP 2021* 1070-1082
- Ricci, G.**, see Coluccia, A., *TSP 2021* 3206-3219
- Richards, J.**, see Mitra, A., *TSP 2021* 3906-3921
- Richmond, C.D.**, see Coluccia, A., *TSP 2021* 3206-3219
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- Rivet, B.**, see Ghayem, F., *TSP 2021* 4513-4528
- Robbiano, C.**, Azimi-Sadjadi, M.R., and Chong, E.K.P., Information-Theoretic Interactive Sensing and Inference for Autonomous Systems; *TSP 2021* 5627-5637
- Robert, A.**, see Cazelles, E., *TSP 2021* 709-721
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- Roddenberry, T.**, and Segarra, S., Blind Inference of Eigenvector Centrality Rankings; *TSP 2021* 3935-3946
- Rodrigues, M.R.D.**, see Amjad, J., *TSP 2021* 6371-6385
- Rodriguez-Collado, A.**, see RuedaSabater, C., *TSP 2021* 960-972
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- Romero, D.**, Mollaebrahim, S., Beferull-Lozano, B., and Asensio-Marco, C., Fast Graph Filters for Decentralized Subspace Projection; *TSP 2021* 150-164
- Romero, D.**, see Zaman, B., *TSP 2021* 210-225

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- Roonizi, A.K.**, and Jutten, C., Band-Stop Smoothing Filter Design; *TSP 2021* 1797-1810
- Rosamilia, M.**, *see* Aubry, A., *TSP 2021* 5920-5934
- Rosasco, L.**, *see* Rusu, C., *TSP 2021* 5037-5050
- Rose, K.**, *see* Salehifar, M., *TSP 2021* 1787-1796
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- Routtenberg, T.**, *see* Meir, E., *TSP 2021* 2284-2301
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- Rusek, F.**, *see* Alegria, J.V., *TSP 2021* 3627-3641
- Rusu, C.**, and Rosasco, L., Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms; *TSP 2021* 5037-5050
- Rzepka, D.**, *see* Thao, N.T., *TSP 2021* 341-356
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- Sadeghi, A.**, *see* Yang, Q., *TSP 2021* 4416-4427
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- Salamatian, S.**, *see* Cohen, A., *TSP 2021* 3299-3314
- Salehifar, M.**, Nanjundaswamy, T., and Rose, K., Quantizer Design to Exploit Common Information in Layered and Scalable Coding; *TSP 2021* 1787-1796
- Sanguinetti, L.**, *see* Fortunati, S., *TSP 2021* 3235
- Santamaría, I.**, *see* Elvira, V., *TSP 2021* 1200-1212
- Sanyal, P.**, *see* Bedi, A.S., *TSP 2021* 428-442
- Sarkka, S.**, *see* Hassan, S., *TSP 2021* 4875-4887
- Saruwatari, H.**, *see* Ueno, N., *TSP 2021* 2383-2395
- Sarwate, A.D.**, *see* Imtiaz, H., *TSP 2021* 6355-6370
- Sasmal, P.**, and Murthy, C.R., Incoherence is Sufficient for Statistical RIP of Unit Norm Tight Frames: Constructions and Properties; *TSP 2021* 2343-2355
- Savarla, Y.**, *see* Wang, J., *TSP 2021* 3337-3350
- Sayed, A.**, *see* Alghunaim, S.A., *TSP 2021* 5568-5579
- Sayed, A.H.**, *see* Zhang, S., *TSP 2021* 5419-5430
- Sayed, A.H.**, *see* Marano, S., *TSP 2021* 2873-2887
- Sayed, A.H.**, *see* Vlaski, S., *TSP 2021* 1257-1270
- Sayed, A.H.**, *see* Vlaski, S., *TSP 2021* 1242-1256
- Scaglione, A.**, *see* Ramakrishna, R., *TSP 2021* 2725-2739
- Scharf, L.L.**, *see* Yavo, Z., *TSP 2021* 4162-4176
- Scheibler, R.**, Independent Vector Analysis via Log-Quadratically Penalized Quadratic Minimization; *TSP 2021* 2509-2524
- Schenck, D.**, Mestre, X., and Pesavento, M., Probability of Resolution of Partially Relaxed Deterministic Maximum Likelihood: An Asymptotic Approach; *TSP 2021* 852-866
- Schlecht, S.J.**, Allpass Feedback Delay Networks; *TSP 2021* 1028-1038
- Schmid, W.**, *see* Bodnar, T., *TSP 2021* 1-14
- Schon, T.**, *see* Courts, J., *TSP 2021* 5979-5993
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- Schroth, C.**, and Muma, M., Real Elliptically Skewed Distributions and Their Application to Robust Cluster Analysis; *TSP 2021* 3947-3962
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- Seelamantula, C.S.**, *see* John, A., *TSP 2021* 5021-5036
- Segarra, S.**, *see* Roddenberry, T., *TSP 2021* 3935-3946
- Seidl, G.**, *see* Podkurkov, I., *TSP 2021* 5830-5845
- Seifert, B.**, *see* Puschel, M., *TSP 2021* 3571-3584
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- Selesnick, I.**, *see* Kyochi, S., *TSP 2021* 2923-2938
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- Sery, T.**, Shlezinger, N., Cohen, K., and Eldar, Y., Over-the-Air Federated Learning From Heterogeneous Data; *TSP 2021* 3796-3811
- Sezer, A.D.**, *see* Gupta, A., *TSP 2021* 5756-5769
- ShahbazPanahi, S.**, *see* Haqiqatnejad, A., *TSP 2021* 5595-5610
- ShahbazPanahi, S.**, *see* Mirzaei, J., *TSP 2021* 5784-5800
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- Shamai, K.**, and Kassas, Z.M., A Joint TOA and DOA Acquisition and Tracking Approach for Positioning With LTE Signals; *TSP 2021* 2689-2705
- Shan, J.**, *see* Song, W., *TSP 2021* 15-27
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- Shanbhag, N.R.**, *see* Sakr, C., *TSP 2021* 6462-6472
- Shankar, M.R.B.**, *see* Sedighi, S., *TSP 2021* 2525-2540
- Shao, H.**, *see* Wu, X., *TSP 2021* 1226-1241
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- Shen, C.**, *see* Shi, C., *TSP 2021* 4385-4402
- Shen, H.**, *see* Wu, Z., *TSP 2021* 3839-3853
- Shen, Q.**, *see* Liang, Y., *TSP 2021* 4132-4148
- Shen, Y.**, *see* Wei, D., *TSP 2021* 5259-5272
- Shen, Y.**, *see* Wang, H., *TSP 2021* 2971-2986
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- Sheng, M.**, *see* Yang, X., *TSP 2021* 314-327
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- Shi, J.**, Zhao, Y., Xiang, W., Monga, V., Liu, X., and Tao, R., Deep Scattering Network With Fractional Wavelet Transform; *TSP 2021* 4740-4757

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- Shi, Q.,** see Dong, Y., *TSP 2021* 2316-2329
- Shi, Q.,** see Wu, X., *TSP 2021* 1226-1241
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- Shi, Y.,** see Xia, S., *TSP 2021* 5693-5707
- Shim, B.,** see Kim, J., *TSP 2021* 1521-1536
- Shim, B.,** see Nguyen, L.T., *TSP 2021* 6299-6313
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- Shlezinger, N.,** see Khobahi, S., *TSP 2021* 5651-5664
- Shlezinger, N.,** see Xi, F., *TSP 2021* 6267-6282
- Shlezinger, N.,** see Sery, T., *TSP 2021* 3796-3811
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- Shmaliy, Y.S.,** see Zhao, S., *TSP 2021* 6342-6354
- Shterenberg, R.,** see Dera, D., *TSP 2021* 4669-4684
- Si, Z.,** see Dai, J., *TSP 2021* 2203-2217
- Sidiropoulos, N.D.,** see Amiridi, M., *TSP 2021* 6195-6205
- Sidiropoulos, N.D.,** see Sorensen, M., *TSP 2021* 2452-2467
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- Sigigiridou, E.,** and Kugiumtzis, D., Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series; *TSP 2021* 5638-5650
- Silva, M.T.M.,** see Tiglea, D.G., *TSP 2021* 58-72
- Silva, R.,** see Imtiaz, H., *TSP 2021* 6355-6370
- Simeone, O.,** see Park, S., *TSP 2021* 226-239
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- Simon, S.,** see Sun, K., *TSP 2021* 6329-6341
- Singh Bedi, A.,** see Kalhan, D.S., *TSP 2021* 932-947
- Skog, I.,** see Kullberg, A., *TSP 2021* 4149-4161
- Skoglund, M.,** see Molavipour, S., *TSP 2021* 766-780
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- Smith, J.,** see Shaw, A., *TSP 2021* 6116-6130
- So, A.,** see Zhang, J., *TSP 2021* 4282-4295
- So, A.M.,** see Chen, S., *TSP 2021* 4759-4773
- So, H.C.,** see Dai, J., *TSP 2021* 4977-4990
- So, H.C.,** see Zhang, S., *TSP 2021* 5801-5814
- So, H.C.,** see Fan, W., *TSP 2021* 1563-1578
- So, H.C.,** see Zheng, Z., *TSP 2021* 5345-5358
- So, H.C.,** see Li, X.P., *TSP 2021* 3685-3698
- So, H.C.,** see Jin, D., *TSP 2021* 3782-3795
- Soh, Y.S.,** Group Invariant Dictionary Learning; *TSP 2021* 3612-3626
- Sohrabi, F.,** see Mirzaei, J., *TSP 2021* 5784-5800
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- Somekh-Baruch, A.,** see Yemini, M., *TSP 2021* 1108-1123
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- Song, K.,** see Nayebi, E., *TSP 2021* 655-668
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- Song, S.,** see Li, Z., *TSP 2021* 797-808
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- Spors, S.,** see Hahn, N., *TSP 2021* 4502-4512
- Stanczak, S.,** see Frey, M., *TSP 2021* 5739-5755
- Stanczak, S.,** see Fink, J., *TSP 2021* 5708-5722
- Stanczak, S.,** see Miretti, L., *TSP 2021* 3145-3159
- Studer, C.,** see Ghods, R., *TSP 2021* 5105-5119
- Studer, C.,** see Jeon, C., *TSP 2021* 6071-6082
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- Suh, C.,** see Zhang, Q., *TSP 2021* 917-931
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- Sun, S.,** see Zhang, S., *TSP 2021* 5935-5946
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- Sun, Y.,** see Xu, J., *TSP 2021* 3555-3570
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- Suo, F.,** see Yang, Y., *TSP 2021* 3383-3398
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- Svensson, L.,** see Garcia-Fernandez, A., *TSP 2021* 2600-2610
- Swindlehurst, A.L.,** see Nguyen, L.V., *TSP 2021* 2086-2099
- Swindlehurst, A.L.,** see Peng, Z., *TSP 2021* 837-851

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- Tabrikian, J.,** see Rubinstein, N., *TSP 2021* 6206-6220
- Tafazolli, R.,** see Kuzminskiy, A.M., *TSP 2021* 5134-5146
- Tan, V.Y.F.,** see Lahat, D., *TSP 2021* 3059-3074
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- Tandon, R.,** see Attia, M.A., *TSP 2021* 3977-3990
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- Tay, W.P.**, *see* Wang, C., *TSP 2021* 6530-6545
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- Teng, C.**, and Wu, A., Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning; *TSP 2021* 300-313
- Tennakoon, R.**, *see* Gostar, A.K., *TSP 2021* 878-891
- Tepedelenlioglu, C.**, *see* Senol, H., *TSP 2021* 385-400
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- Tian, Y.**, *see* Xu, J., *TSP 2021* 3555-3570
- Tian, Z.**, *see* Wang, F., *TSP 2021* 4444-4457
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- Tichavsky, P.**, *see* Koldovsky, Z., *TSP 2021* 2158-2173
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- Towliat, M.**, *see* Tabatabaei, S.M.J.A., *TSP 2021* 5147-5158
- Trung, N.L.**, *see* Thanh, L.T., *TSP 2021* 5372-5385
- Trung, N.L.**, *see* Thanh, L.T., *TSP 2021* 2070-2085
- Tsai, S.**, *see* Wang, C., *TSP 2021* 5770-5783
- Tsogka, C.**, *see* Moscoso, M., *TSP 2021* 2042-2055
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- U**
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- Ueno, N.**, Koyama, S., and Saruwatari, H., Directionally Weighted Wave Field Estimation Exploiting Prior Information on Source Direction ; *TSP 2021* 2383-2395
- Utschick, W.**, *see* Barthelme, A., *TSP 2021* 3075-3087
- Utschick, W.**, *see* Hellings, C., *TSP 2021* 1548-1562
- V**
- Vaidyanathan, P.**, *see* Chen, P., *TSP 2021* 4607-4622
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- Yin, W.,** see Chen, T., *TSP 2021 4937-4948*
- Yin, W.,** see Chen, T., *TSP 2021 4637-4651*
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Z

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- Zhang, H.**, Yang, B., Wang, L., and Wang, S., General Cauchy Conjugate Gradient Algorithms Based on Multiple Random Fourier Features; *TSP 2021* 1859-1873
- Zhang, H.**, Hua, G., and Xiang, Y., Enhanced Time-Frequency Representation and Mode Decomposition; *TSP 2021* 4296-4311
- Zhang, H.**, *see* Zou, Q., *TSP 2021* 4529-4543
- Zhang, H.**, *see* Chen, W., *TSP 2021* 1995-2009
- Zhang, J.**, *see* Zhang, S., *TSP 2021* 5801-5814
- Zhang, J.**, Liu, H., So, A., and Ling, Q., A Penalty Alternating Direction Method of Multipliers for Convex Composite Optimization Over Decentralized Networks; *TSP 2021* 4428-4425
- Zhang, J.**, *see* Wang, Z., *TSP 2021* 4486-4501
- Zhang, J.**, and Masouros, C., Learning-Based Predictive Transmitter-Receiver Beam Alignment in Millimeter Wave Fixed Wireless Access Links; *TSP 2021* 3268-3282
- Zhang, J.**, and Sun, J., Optimal Stealthy Linear-Attack Schedules on Remote State Estimation; *TSP 2021* 2807-2817
- Zhang, J.A.**, *see* Ni, Z., *TSP 2021* 1287-1300
- Zhang, L.**, and Lan, J., Tracking of Extended Object Using Random Matrix With Non-Uniformly Distributed Measurements; *TSP 2021* 3812-3825
- Zhang, L.**, Niu, D., Ma, T., Song, E., Li, Z., and Shi, Q., Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks; *TSP 2021* 2114-2128
- Zhang, M.**, Jin, D., Chen, J., and Ni, J., Zeroth-Order Diffusion Adaptive Filter Over Networks; *TSP 2021* 589-602

- Zhang, P.**, *see* Sun, H., *TSP 2021* 4843-4858
- Zhang, Q.**, Feng, W., Iu, H.H.C., and Wang, S., Adaptive Filters With Robust Augmented Space Linear Model: A Weightedk-NN Method; *TSP 2021* 6448-6461
- Zhang, Q.**, *see* Jiang, M., *TSP 2021* 986-997
- Zhang, Q.**, Dynamic System Fault Diagnosis Under Sparseness Assumption; *TSP 2021* 2499-2508
- Zhang, Q.**, Tan, V.Y.F., and Suh, C., Community Detection and Matrix Completion With Social and Item Similarity Graphs; *TSP 2021* 917-931
- Zhang, R.**, *see* Zhao, M., *TSP 2021* 1301-1316
- Zhang, S.**, Zhang, J., Xia, Y., and So, H.C., Adaptive Frequency-Domain Normalized Implementations of Widely-Linear Complex-Valued Filter; *TSP 2021* 5801-5814
- Zhang, S.**, Zhang, F., Chen, H., Merched, R., and Sayed, A.H., Frequency-Domain Diffusion Adaptation Over Networks; *TSP 2021* 5419-5430
- Zhang, S.**, Ahmed, A., Zhang, Y.D., and Sun, S., Enhanced DOA Estimation Exploiting Multi-Frequency Sparse Array; *TSP 2021* 5935-5946
- Zhang, X.**, Liu, Y., and Cui, W., Spectrally Sparse Signal Recovery via Hankel Matrix Completion With Prior Information; *TSP 2021* 2174-2187
- Zhang, X.**, *see* Zhang, Y., *TSP 2021* 6504-6514
- Zhang, X.**, Hong, M., Dhople, S., Yin, W., and Liu, Y., FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data; *TSP 2021* 6055-6070
- Zhang, X.**, *see* Li, S., *TSP 2021* 3367-3382
- Zhang, X.Y.**, *see* Zheng, X.X., *TSP 2021* 6101-6115
- Zhang, Y.**, Xie, Y., Li, X., Zhang, X., and Zhou, J., Frequency Estimation for Zero-Padded Signal Based on the Amplitude Ratio of Two DFT Samples; *TSP 2021* 6504-6514
- Zhang, Y.**, Chen, D., and Jiang, T., Robust Beamforming Design for Magnetic MIMO Wireless Power Transfer Systems; *TSP 2021* 5066-5077
- Zhang, Y.**, *see* Han, S., *TSP 2021* 560-572
- Zhang, Y.D.**, *see* Ahmed, A., *TSP 2021* 4580-4594
- Zhang, Y.D.**, *see* Zhang, S., *TSP 2021* 5935-5946
- Zhang, Z.**, and Fu, M., Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance; *TSP 2021* 3868-3877
- Zhang, Z.**, and Dai, L., A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network; *TSP 2021* 4085-4101
- Zhang, Z.**, *see* Peng, Z., *TSP 2021* 837-851
- Zhang, Z.**, *see* Gong, Z., *TSP 2021* 4204-4218
- Zhao, H.**, *see* Li, Y., *TSP 2021* 4102-4115
- Zhao, H.V.**, *see* Li, Q., *TSP 2021* 1140-1153
- Zhao, L.**, *see* Gong, S., *TSP 2021* 2706-2724
- Zhao, L.**, *see* Chen, S., *TSP 2021* 3699-3713
- Zhao, M.**, Liu, A., and Zhang, R., Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication; *TSP 2021* 1301-1316
- Zhao, M.**, *see* Liu, A., *TSP 2021* 3000-3015
- Zhao, Q.**, *see* Xu, X., *TSP 2021* 2371-2382
- Zhao, S.**, Wang, J., Shmaliy, Y.S., and Liu, F., Discrete Time q -Lag Maximum Likelihood FIR Smoothing and Iterative Recursive Algorithm; *TSP 2021* 6342-6354
- Zhao, T.**, *see* Liu, L., *TSP 2021* 3991-4006
- Zhao, X.**, *see* Gong, S., *TSP 2021* 3016-3032
- Zhao, Y.**, *see* Shi, J., *TSP 2021* 4740-4757
- Zhao, Y.**, *see* Ke, X., *TSP 2021* 1012-1027
- Zheng, W.X.**, *see* Li, J., *TSP 2021* 4949-4960
- Zheng, X.**, and Lau, V.K.N., Online Deep Neural Networks for MmWave Massive MIMO Channel Estimation With Arbitrary Array Geometry; *TSP 2021* 2010-2025
- Zheng, X.X.**, Yang, J., Yang, S.Y., Chen, W., Huang, L.Y., and Zhang, X.Y., Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response; *TSP 2021* 6101-6115
- Zheng, Z.**, Huang, Y., Wang, W., and So, H.C., Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray; *TSP 2021* 5345-5358
- Zheng, Z.**, *see* Li, S., *TSP 2021* 3117-3131

- Zhou, H.,** see Dong, Y., *TSP* 2021 2316-2329
Zhou, J., see Zhang, Y., *TSP* 2021 6504-6514
Zhou, J., see Rong, Y., *TSP* 2021 4556
Zhou, J., see Liu, M., *TSP* 2021 2766-2778
Zhou, M., Feng, Z., Huang, X., and Liu, Y., Maximum a Posteriori Probability (MAP) Joint Fine Frequency Offset and Channel Estimation for MIMO Systems With Channels of Arbitrary Correlation; *TSP* 2021 4357-4370
Zhou, R., and Palomar, D.P., Solving High-Order Portfolios via Successive Convex Approximation Algorithms; *TSP* 2021 892-904
Zhou, Y., see Xia, S., *TSP* 2021 5693-5707
Zhu, B., see Gong, Z., *TSP* 2021 4204-4218
Zhu, J., see Yang, Y., *TSP* 2021 3473-3483
Zhu, L., see Song, H., *TSP* 2021 3088-3103
Zhu, S., see Wang, H., *TSP* 2021 5994-6008
Zhu, Y., Guo, H., and Lau, V.K.N., Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array; *TSP* 2021 5463-5478
Zong, B., see Zhang, H., *TSP* 2021 1591-1602
Zou, J., see Li, S., *TSP* 2021 3117-3131
Zou, L., see Geng, H., *TSP* 2021 546-559
Zou, N., see Yang, Y., *TSP* 2021 3383-3398
Zou, Q., Zhang, H., and Yang, H., Multi-Layer Bilinear Generalized Approximate Message Passing; *TSP* 2021 4529-4543
Zoubir, A., see Faus, M., *TSP* 2021 2252-2283
Zuo, L., see Sun, H., *TSP* 2021 4843-4858

Subject Index

Numeric

5G mobile communication

- Channel Covariance Conversion and Modelling Using Infinite Dimensional Hilbert Spaces. *Miretti, L., +, TSP* 2021 3145-3159
 Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning. *Teng, C., +, TSP* 2021 300-313
 Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP* 2021 3541-3554
 Learning-Based Predictive Transmitter-Receiver Beam Alignment in Millimeter Wave Fixed Wireless Access Links. *Zhang, J., +, TSP* 2021 3268-3282

6G mobile communication

- Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP* 2021 5723-5738

A

Acoustic receivers

- Shallow Underwater Acoustic Massive MIMO Communications. *Wu, W., +, TSP* 2021 1124-1139

Acoustic signal processing

- A Robust Wavenumber-Domain Superdirective Beamforming for Endfire Arrays. *Yu, G., +, TSP* 2021 4890-4905
 Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP* 2021 1213-1225
 On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP* 2021 4906-4920
 S²H Domain Processing for Acoustic Source Localization and Beamforming Using Microphone Array on Spherical Sector. *Kumari, D., +, TSP* 2021 1983-1994

Active antenna arrays

- Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications. *Pascual Campo, P., +, TSP* 2021 370-384

Adaptation models

- Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series. *Sigiridou, E., +, TSP* 2021 5638-5650

- MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function. *Hu, B., +, TSP* 2021 6039-6054

Adaptive filters

- Adaptive Frequency-Domain Normalized Implementations of Widely-Linear Complex-Valued Filter. *Zhang, S., +, TSP* 2021 5801-5814
 Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP* 2021 5021-5036
 Bias-Compensated Sign Algorithm for Noisy Inputs and Its Step-Size Optimization. *Ni, J., +, TSP* 2021 2330-2342
 Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications. *Pascual Campo, P., +, TSP* 2021 370-384
 Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter. *Qian, G., +, TSP* 2021 2188-2202
 General Cauchy Conjugate Gradient Algorithms Based on Multiple Random Fourier Features. *Zhang, H., +, TSP* 2021 1859-1873
 On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP* 2021 4906-4920
 On the Tracking Performance of Adaptive Filters and Their Combinations. *Claser, R., +, TSP* 2021 3104-3116
 Towards Lower Precision Adaptive Filters: Facts From Backward Error Analysis of RLS. *Lee, J., +, TSP* 2021 3446-3458
 Zeroth-Order Diffusion Adaptive Filter Over Networks. *Zhang, M., +, TSP* 2021 589-602

Adaptive radar

- Adaptive Radar Detection and Classification Algorithms for Multiple Coherent Signals. *Han, S., +, TSP* 2021 560-572
 Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. *Rong, Y., +, TSP* 2021 1492-1506
 Adaptive Radar Detection in the Presence of Multiple Alternative Hypotheses Using Kullback-Leibler Information Criterion-Part I: Detector Designs. *Addabbo, P., +, TSP* 2021 3730-3741
 Adaptive Radar Detection in the Presence of Multiple Alternative Hypotheses Using Kullback-Leibler Information Criterion-Part II: Applications. *Addabbo, P., +, TSP* 2021 3742-3754
 Adaptive Radar Detection Without Secondary Data for Uncooperative Spectrum Sharing Scenarios. *Coluccia, A., +, TSP* 2021 3206-3219
 Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP* 2021 1924-1937
 Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP* 2021 4544-4555

Adaptive signal detection

- Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. *Rong, Y., +, TSP* 2021 1492-1506

Adaptive signal processing

- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. *Meriaux, B., +, TSP* 2021 603-616
 On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP* 2021 4906-4920
 On the Solvability of the Peak Value Problem for Bandlimited Signals With Applications. *Boche, H., +, TSP* 2021 103-118

Additive noise

- Privacy-Preserving Distributed Projection LMS for Linear Multitask Networks. *Wang, C., +, TSP* 2021 6530-6545

Adjacent channel interference

- Subspace-Based Estimation of Rapidly Varying Mobile Channels for OFDM Systems. *Senol, H., +, TSP* 2021 385-400

Affine transforms

- Fast Numerical Computation of Two-Dimensional Non-Separable Linear Canonical Transform Based on Matrix Decomposition. *Wei, D., +, TSP* 2021 5259-5272

- Matched Manifold Detection for Group-Invariant Registration and Classification of Images. *Yavo, Z., +, TSP* 2021 4162-4176

Algebra

- Algebraic Neural Networks: Stability to Deformations. *Parada-Mayorga, A., +, TSP* 2021 3351-3366
 Binary Discrete Fourier Transform and Its Inversion. *Levinson, H.W., +, TSP* 2021 3484-3499

Algebraic codes

Blind Reconstruction of BCH and RS Codes Using Single-Error Correction.
Song, M., +, TSP 2021 5120-5133

All-pass filters

Allpass Feedback Delay Networks. *Schlecht, S.J., TSP 2021 1028-1038*

Amplify and forward communication

Matrix-Monotonic Optimization— Part II: Multi-Variable Optimization.
Xing, C., +, TSP 2021 179-194

Multi-Layer Bilinear Generalized Approximate Message Passing. *Zou, Q., +, TSP 2021 4529-4543*

Analog-digital conversion

On Unlimited Sampling and Reconstruction. *Bhandari, A., +, TSP 2021 3827-3839*

Serial Quantization for Sparse Time Sequences. *Cohen, A., +, TSP 2021 3299-3314*

SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. *Nguyen, L.V., +, TSP 2021 2086-2099*

Task-Based Analog-to-Digital Converters. *Neuhaus, P., +, TSP 2021 5403-5418*

Time- and Frequency-Interleaving: Distinctions and Connections. *Song, J., +, TSP 2021 2555-2568*

Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*

Analytical models

Correction to “Information Geometric Approach to Multisensor Estimation Fusion”. *Rong, Y., +, TSP 2021 4556*

Antenna arrays

A Machine Learning Approach to DoA Estimation and Model Order Selection for Antenna Arrays With Subarray Sampling. *Barthelme, A., +, TSP 2021 3075-3087*

A Robust Wavenumber-Domain Superdirective Beamforming for Endfire Arrays. *Yu, G., +, TSP 2021 4890-4905*

An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. *Wang, H., +, TSP 2021 2971-2986*

Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array. *Zhu, Y., +, TSP 2021 5463-5478*

Channel Covariance Conversion and Modelling Using Infinite Dimensional Hilbert Spaces. *Miretti, L., +, TSP 2021 3145-3159*

Comments on “Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator”. *Friedlander, B., TSP 2021 6399-6400*

Construction of Golay Complementary Matrices and Its Applications to MIMO Omnidirectional Transmission. *Li, F., +, TSP 2021 2100-2113*

Erratum to “Massive MIMO radar for target detection”. *Fortunati, S., +, TSP 2021 3235*

High-Speed User-Centric Beampattern Synthesis via Frequency Diverse Array. *Wu, X., +, TSP 2021 1226-1241*

Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems. *Mirzaei, J., +, TSP 2021 5784-5800*

Joint TOA and DOA Estimation With CFO Compensation Using Large-Scale Array. *Gong, Z., +, TSP 2021 4204-4218*

Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves. *AlSharif, M.H., +, TSP 2021 5078-5093*

Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*

On Accurate Source Enumeration: A New Bayesian Information Criterion. *Ke, X., +, TSP 2021 1012-1027*

Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*

Radar and Communication Spectral Coexistence in Range-Dependent Interference. *Qian, J., +, TSP 2021 5891-5906*

Source Localization with Feedback Beamforming. *Karo, I.Y., +, TSP 2021 631-640*

Target Localization Geometry Gain in Distributed MIMO Radar. *Sadeghi, M., +, TSP 2021 1642-1652*

Tensor-Based Near-Field Localization Using Massive Antenna Arrays. *Podkurov, I., +, TSP 2021 5830-5845*

Time of Arrival and Angle of Arrival Estimation Algorithm in Dense Multipath. *Rogel, N., +, TSP 2021 5907-5919*

Trade-Offs in Decentralized Multi-Antenna Architectures: The WAX Decomposition. *Alegria, J.V., +, TSP 2021 3627-3641*

ULA Fitting for Sparse Array Design. *Shi, W., +, TSP 2021 6431-6447*

Antenna radiation patterns

High-Speed User-Centric Beampattern Synthesis via Frequency Diverse Array. *Wu, X., +, TSP 2021 1226-1241*

Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*

Antennas

Robust Energy-Efficient Resource Management, SIC Ordering, and Beamforming Design for MC MISO-NOMA Enabled 6G. *Zakeri, A., +, TSP 2021 2481-2498*

Aperture antennas

Source Localization with Feedback Beamforming. *Karo, I.Y., +, TSP 2021 631-640*

Application specific integrated circuits

An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. *Wang, H., +, TSP 2021 2971-2986*

Approximation algorithms

Mismatched Data Detection in Massive MU-MIMO. *Jeon, C., +, TSP 2021 6071-6082*

Signal Source Distribution Approximation to Speedup Scalar Quantizer Design. *Anavangot, V., +, TSP 2021 6314-6328*

Unitary Approximate Message Passing for Sparse Bayesian Learning. *Luo, M., +, TSP 2021 6023-6039*

Approximation theory

Accelerated Structured Alternating Projections for Robust Spectrally Sparse Signal Recovery. *Cai, H., +, TSP 2021 809-821*

An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. *Wang, H., +, TSP 2021 2971-2986*

An Improved Convergence Analysis for Decentralized Online Stochastic Non-Convex Optimization. *Xin, R., +, TSP 2021 1842-1858*

Approximate Inference and Learning of State Space Models With Laplace Noise. *Neri, J., +, TSP 2021 3176-3189*

Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery. *Yuan, Z., +, TSP 2021 617-630*

Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. *Gostar, A.K., +, TSP 2021 878-891*

Channel Estimation and Pilot Symbol Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Systems. *Chen, D., +, TSP 2021 4595-4606*

Clustering by Orthogonal NMF Model and Non-Convex Penalty Optimization. *Wang, S., +, TSP 2021 5273-5288*

Compressed Gradient Methods With Hessian-Aided Error Compensation. *Khirirat, S., +, TSP 2021 998-1011*

Computable Time Concentration of Bandlimited Signals and Systems. *Boche, H., +, TSP 2021 5523-5538*

Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*

Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*

Decentralized Learning With Lazy and Approximate Dual Gradients. *Liu, Y., +, TSP 2021 1362-1377*

Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*

Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*

Distributed Algorithms for Composite Optimization: Unified Framework and Convergence Analysis. *Xu, J., +, TSP 2021 3555-3570*

Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*

Fair Principal Component Analysis and Filter Design. *Zalcburg, G., +, TSP 2021 4835-4842*

- Fast Graph Filters for Decentralized Subspace Projection. *Romero, D., +, TSP 2021 150-164*
- HePPCAT: Probabilistic PCA for Data With Heteroscedastic Noise. *Hong, D., +, TSP 2021 4819-4834*
- Hermite Expansion Model and LMMSE Analysis for Low-Resolution Quantized MIMO Detection. *Liu, L., +, TSP 2021 5313-5328*
- Hybrid Sparse Expansion and Separable Hybrid Prony Method. *Wang, P., +, TSP 2021 3033-3043*
- Importance Gaussian Quadrature. *Elvira, V., +, TSP 2021 474-488*
- Matrix-Monotonic Optimization— Part I: Single-Variable Optimization. *Xing, C., +, TSP 2021 738-754*
- Memory-Constrained No-Regret Learning in Adversarial Multi-Armed Bandits. *Xu, X., +, TSP 2021 2371-2382*
- Mixture of Inference Networks for VAE-Based Audio-Visual Speech Enhancement. *Sadeghi, M., +, TSP 2021 1899-1909*
- Multi-Group Multicast Beamforming by Superiorized Projections Onto Convex Sets. *Fink, J., +, TSP 2021 5708-5722*
- Multimodal Data Fusion in High-Dimensional Heterogeneous Datasets Via Generative Models. *Yilmaz, Y., +, TSP 2021 5175-5188*
- Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*
- Nonparametric Compositional Stochastic Optimization for Risk-Sensitive Kernel Learning. *Bedi, A.S., +, TSP 2021 428-442*
- Novel Codebook Design for Channel State Information Quantization in MIMO Rician Fading Channels With Limited Feedback. *Kang, J., +, TSP 2021 2858-2872*
- On the Solvability of the Peak Value Problem for Bandlimited Signals With Applications. *Boche, H., +, TSP 2021 103-118*
- Online Generalized Eigenvectors Extraction Via a Fixed-Point Approach. *Cai, H., +, TSP 2021 2435-2451*
- Online Joint State Inference and Learning of Partially Unknown State-Space Models. *Kullberg, A., +, TSP 2021 4149-4161*
- Optimal Fractional Fourier Filtering for Graph Signals. *Ozturk, C., +, TSP 2021 2902-2912*
- Optimal Restricted Isometry Condition of Normalized Sampling Matrices for Exact Sparse Recovery With Orthogonal Least Squares. *Kim, J., +, TSP 2021 1521-1536*
- Polytopic Matrix Factorization: Determinant Maximization Based Criterion and Identifiability. *Tatli, G., +, TSP 2021 5431-5447*
- Practical Precoding via Asynchronous Stochastic Successive Convex Approximation. *Idrees, B.M., +, TSP 2021 4177-4191*
- Projection-Based QLP Algorithm for Efficiently Computing Low-Rank Approximation of Matrices. *Kaloorazi, M.F., +, TSP 2021 2218-2232*
- Random Matrix Based Extended Target Tracking With Orientation: A New Model and Inference. *Tuncer, B., +, TSP 2021 1910-1923*
- Reduced-Rank L1-Norm Principal-Component Analysis With Performance Guarantees. *Kamrani, H., +, TSP 2021 240-255*
- Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming. *He, X., +, TSP 2021 682-694*
- Solving High-Order Portfolios via Successive Convex Approximation Algorithms. *Zhou, R., +, TSP 2021 892-904*
- Spectrum Truncation Power Iteration for Agnostic Matrix Phase Retrieval. *Liu, L., +, TSP 2021 3991-4006*
- Support Recovery for Sparse Multidimensional Phase Retrieval. *Novikov, A., +, TSP 2021 4403-4415*
- Two-Stage Stochastic Optimization Via Primal-Dual Decomposition and Deep Unrolling. *Liu, A., +, TSP 2021 3000-3015*
- Arithmetic**
- Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response. *Zheng, X.X., +, TSP 2021 6101-6115*
- Array signal processing**
- A Fast Algorithm for Fractional QCQP and Applications to Secure Beamforming in Cognitive Nonorthogonal Multiple Access Networks. *Luo, H., +, TSP 2021 6237-6250*
- A Full Second-Order Analysis of the Widely Linear MVDR Beamformer for Noncircular Signals. *Li, Z., +, TSP 2021 4257-4268*
- A Machine Learning Approach to DoA Estimation and Model Order Selection for Antenna Arrays With Subarray Sampling. *Barthelme, A., +, TSP 2021 3075-3087*
- A Robust Wavenumber-Domain Superdirective Beamforming for Endfire Arrays. *Yu, G., +, TSP 2021 4890-4905*
- Adaptive Sparse Array Beamformer Design by Regularized Complementary Antenna Switching. *Wang, X., +, TSP 2021 2302-2315*
- Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. *Zheng, Z., +, TSP 2021 5345-5358*
- Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting. *Weiss, A., TSP 2021 531-545*
- Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*
- Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*
- Comments on “Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator”. *Friedlander, B., TSP 2021 6399-6400*
- Cramér-Rao Bound Analysis of Underdetermined Wideband DOA Estimation Under the Subband Model via Frequency Decomposition. *Liang, Y., +, TSP 2021 4132-4148*
- Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems. *Chopra, R., +, TSP 2021 4219-4233*
- Deep Networks for Direction-of-Arrival Estimation in Low SNR. *Papageorgiou, G., +, TSP 2021 3714-3729*
- Dilated Arrays: A Family of Sparse Arrays With Increased Uniform Degrees of Freedom and Reduced Mutual Coupling on a Moving Platform. *Li, S., +, TSP 2021 3367-3382*
- Direction of Arrival Estimation of Wideband Sources Using Sparse Linear Arrays. *Wang, F., +, TSP 2021 4444-4457*
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- Dynamic Independent Component/Vector Analysis: Time-Variant Linear Mixtures Separable by Time-Invariant Beamformers. *Koldovsky, Z., +, TSP 2021 2158-2173*
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- Frequency Diverse Array Signal Optimization: From Non-Cognitive to Cognitive Radar. *Rubinstein, N., +, TSP 2021 6206-6220*
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- Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems. *Mirzaei, J., +, TSP 2021 5784-5800*
- Joint Radar-Communication Transmission: A Generalized Pareto Optimization Framework. *Chen, L., +, TSP 2021 2752-2765*
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- Marginal Likelihood Maximization Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation. *Mao, Y., +, TSP 2021 5512-5522*
- Maximum Likelihood Optimization of Adaptive Asynchronous Interference Mitigation Beamformer. *Kuzminskiy, A.M., +, TSP 2021 5134-5146*
- Multi-Group Multicast Beamforming by Superiorized Projections Onto Convex Sets. *Fink, J., +, TSP 2021 5708-5722*
- MVDR Beamformer Design by Imposing Unit Circle Roots Constraints for Uniform Linear Arrays. *Shaw, A., +, TSP 2021 6116-6130*

- On Accurate Source Enumeration: A New Bayesian Information Criterion. *Ke, X., +, TSP 2021 1012-1027*
- On the Performance of One-Bit DoA Estimation via Sparse Linear Arrays. *Sedighi, S., +, TSP 2021 6165-6182*
- Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. *Zhao, M., +, TSP 2021 1301-1316*
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- Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. *Dai, J., +, TSP 2021 4977-4990*
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- Subspace-Constrained Array Response Estimation in the Presence of Model Errors. *Wax, M., +, TSP 2021 417-427*
- Tensor-Based Near-Field Localization Using Massive Antenna Arrays. *Podkurkov, I., +, TSP 2021 5830-5845*
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Artificial satellites

- A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*

Atmospheric measurements

- Scalable Detection and Tracking of Geometric Extended Objects. *Meyer, F., +, TSP 2021 6283-6298*

Audio coding

- Time-Frequency Phase Retrieval for Audio—The Effect of Transform Parameters. *Marafioti, A., +, TSP 2021 3585-3596*

Audio signal processing

- Mixture of Inference Networks for VAE-Based Audio-Visual Speech Enhancement. *Sadeghi, M., +, TSP 2021 1899-1909*

- Time-Frequency Phase Retrieval for Audio—The Effect of Transform Parameters. *Marafioti, A., +, TSP 2021 3585-3596*

Automatic repeat request

- Kalman Filtering Based Combining for MIMO Systems With Hybrid ARQ. *Park, S., TSP 2021 5250-5258*

Autonomous aerial vehicles

- Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error. *Afshari, M., +, TSP 2021 5206-5221*

Autoregressive processes

- A Comparative Study of Gamma Markov Chains for Temporal Non-Negative Matrix Factorization. *Filstroff, L., +, TSP 2021 1614-1626*

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- Online Topology Identification From Vector Autoregressive Time Series. *Zaman, B., +, TSP 2021 210-225*

B

Backpropagation

- MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function. *Hu, B., +, TSP 2021 6039-6054*
- RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection. *Pratik, K., +, TSP 2021 459-473*

Backtracking

- Reconstructing Point Sets From Distance Distributions. *Huang, S., +, TSP 2021 1811-1827*

Bandlimited signals

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Bandwidth

- Time of Arrival and Angle of Arrival Estimation Algorithm in Dense Multipath. *Rogel, N., +, TSP 2021 5907-5919*

Bayes methods

- An Efficient and Flexible Spike Train Model Via Empirical Bayes. *She, Q., +, TSP 2021 3236-3251*

- Application of the Free Energy Principle to Estimation and Control. *van-de-laar, T., +, TSP 2021 4234-4244*

- Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery. *Yuan, Z., +, TSP 2021 617-630*

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- Distributed Implementation of the Centralized Generalized Labeled Multi-Bernoulli Filter. *Herrmann, M., +, TSP 2021 5159-5174*

- Expectation Propagation-Based Sampling Decoding: Enhancement and Optimization. *Wang, Z., +, TSP 2021 195-209*

- Filtering in Pairwise Markov Model With Student's t Non-Stationary Noise With Application to Target Tracking. *Zhang, G., +, TSP 2021 1627-1641*

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- Learning-Based Predictive Transmitter-Receiver Beam Alignment in Millimeter Wave Fixed Wireless Access Links. *Zhang, J., +, TSP 2021 3268-3282*

- Marginal Likelihood Maximization Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation. *Mao, Y., +, TSP 2021 5512-5522*

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- Multimodal Data Fusion in High-Dimensional Heterogeneous Datasets Via Generative Models.** *Yilmaz, Y., +, TSP 2021 5175-5188*
- Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms.** *Guerra, A., +, TSP 2021 5723-5738*
- Nearly Consistent Finite Particle Estimates in Streaming Importance Sampling.** *Koppel, A., +, TSP 2021 6401-6415*
- On Accurate Source Enumeration: A New Bayesian Information Criterion.** *Ke, X., +, TSP 2021 1012-1027*
- PremiUm-CNN: Propagating Uncertainty Towards Robust Convolutional Neural Networks.** *Dera, D., +, TSP 2021 4669-4684*
- Random Matrix Based Extended Target Tracking With Orientation: A New Model and Inference.** *Tuncer, B., +, TSP 2021 1910-1923*
- Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays.** *Dai, J., +, TSP 2021 4977-4990*
- Reconfigurable Intelligent Surface for Massive Connectivity: Joint Activity Detection and Channel Estimation.** *Xia, S., +, TSP 2021 5693-5707*
- Robust M-Estimation Based Bayesian Cluster Enumeration for Real Elliptically Symmetric Distributions.** *Schroth, C., +, TSP 2021 3525-3540*
- Sequential Inference Methods for Non-Homogeneous Poisson Processes With State-Space Prior.** *Li, C., +, TSP 2021 1154-1168*
- Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks.** *Cadena, J., +, TSP 2021 1713-1724*
- Target Capacity Based Resource Optimization for Multiple Target Tracking in Radar Network.** *Yan, J., +, TSP 2021 2410-2421*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach.** *Xu, Y., +, TSP 2021 401-416*
- Tensor RNN With Bayesian Nonparametric Mixture for Radar HRRP Modeling and Target Recognition.** *Chen, W., +, TSP 2021 1995-2009*
- Tracking Cells and Their Lineages Via Labeled Random Finite Sets.** *Nguyen, T.T.D., +, TSP 2021 5611-5626*
- Tracking of Extended Object Using Random Matrix With Non-Uniformly Distributed Measurements.** *Zhang, L., +, TSP 2021 3812-3825*
- Two-Stage Bayesian Sequential Change Diagnosis.** *Ma, X., +, TSP 2021 6131-6147*
- Unitary Approximate Message Passing for Sparse Bayesian Learning.** *Luo, M., +, TSP 2021 6023-6039*
- BCH codes**
Blind Reconstruction of BCH and RS Codes Using Single-Error Correction.
Song, M., +, TSP 2021 5120-5133
- Belief networks**
Approximate Inference and Learning of State Space Models With Laplace Noise.
Neri, J., +, TSP 2021 3176-3189
- Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery.
Yuan, Z., +, TSP 2021 617-630
- Filtering in Pairwise Markov Model With Student's t Non-Stationary Noise With Application to Target Tracking.
Zhang, G., +, TSP 2021 1627-1641
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Ng, K.H.R., +, TSP 2021 1477-1491
- Policy Gradient Importance Sampling for Bayesian Inference.
El-Laham, Y., +, TSP 2021 4245-4256
- Belief propagation**
Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning.
Teng, C., +, TSP 2021 300-313
- Efficient Direct Target Localization for Distributed MIMO Radar With Expectation Propagation and Belief Propagation.
Yu, Z., +, TSP 2021 4055-4068
- Benchmark testing**
On the Performance of One-Bit DoA Estimation via Sparse Linear Arrays.
Sedighi, S., +, TSP 2021 6165-6182
- Big Data**
Compressed Gradient Methods With Hessian-Aided Error Compensation.
Khirirat, S., +, TSP 2021 998-1011
- Bioelectric potentials**
Robust Recovery of Jointly-Sparse Signals Using Minimax Concave Loss Function.
Suzuki, K., +, TSP 2021 669-681
- Biological effects of laser radiation**
Safety Analysis of Long-Range and High-Power Wireless Power Transfer Using Resonant Beam.
Fang, W., +, TSP 2021 2833-2843
- Biological techniques**
Tracking Cells and Their Lineages Via Labeled Random Finite Sets.
Nguyen, T.T.D., +, TSP 2021 5611-5626
- Biomedical electronics**
Safety Analysis of Long-Range and High-Power Wireless Power Transfer Using Resonant Beam.
Fang, W., +, TSP 2021 2833-2843
- Biomedical MRI**
Deep Learning Model-Aware Regularization With Applications to Inverse Problems.
Amjad, J., +, TSP 2021 6371-6385
- Time Undersampled Acquisition for Multidimensional Sparse Signals With Application to Magnetic Resonance Spectroscopic Imaging.
Karkouri, J., +, TSP 2021 5289-5298
- Blind equalizers**
A Robust Decision Directed Algorithm for Blind Equalization Under-Stationary Noise.
Li, J., +, TSP 2021 4949-4960
- Blind source separation**
Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting.
Weiss, A., TSP 2021 531-545
- Block Coordinate Descent Algorithms for Auxiliary-Function-Based Independent Vector Extraction.
Ikeshita, R., +, TSP 2021 3252-3267
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Koldovsky, Z., +, TSP 2021 2158-2173
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Miettinen, J., +, TSP 2021 2585-2599
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Scheibler, R., TSP 2021 2509-2524
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Hwang, W., +, TSP 2021 2233-2251
- Online Generalized Eigenvectors Extraction Via a Fixed-Point Approach.
Cai, H., +, TSP 2021 2435-2451
- Blockchains**
Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications.
Jiang, M., +, TSP 2021 986-997
- Blood**
Exploiting Relevance for Online Decision-Making in High-Dimensions.
Turgay, E., +, TSP 2021 1438-1451
- Brain modeling**
Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series.
Siggiridou, E., +, TSP 2021 5638-5650
- Broadcast channels**
Multi-Sensor Network Information for Linear-Gaussian Multi-Target Tracking Systems.
Clark, D.E., TSP 2021 4312-4325
- C**
- Cardiovascular system**
Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series.
Siggiridou, E., +, TSP 2021 5638-5650
- Causality**
Online Topology Identification From Vector Autoregressive Time Series.
Zaman, B., +, TSP 2021 210-225
- Cell motility**
Tracking Cells and Their Lineages Via Labeled Random Finite Sets.
Nguyen, T.T.D., +, TSP 2021 5611-5626
- Cellular biophysics**
Tracking Cells and Their Lineages Via Labeled Random Finite Sets.
Nguyen, T.T.D., +, TSP 2021 5611-5626

Cellular radio

- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*
 Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. *Jiang, M., +, TSP 2021 986-997*
 Learning-Based Predictive Transmitter-Receiver Beam Alignment in Millimeter Wave Fixed Wireless Access Links. *Zhang, J., +, TSP 2021 3268-3282*
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 Reconfigurable Intelligent Surfaces for Localization: Position and Orientation Error Bounds. *Elzantaty, A., +, TSP 2021 5386-5402*

Cellular transport

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Channel allocation

- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*

Channel bank filters

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Channel capacity

- Polar-Coded Spatial Modulation. *Dai, J., +, TSP 2021 2203-2217*

- Simultaneous Mobile Information and Power Transfer by Resonant Beam. *Liu, M., +, TSP 2021 2766-2778*

Channel coding

- Blind Reconstruction of BCH and RS Codes Using Single-Error Correction. *Song, M., +, TSP 2021 5120-5133*

- Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning. *Teng, C., +, TSP 2021 300-313*

- Incoherence is Sufficient for Statistical RIP of Unit Norm Tight Frames: Constructions and Properties. *Sasmal, P., +, TSP 2021 2343-2355*

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Channel estimation

- An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. *Wang, H., +, TSP 2021 2971-2986*

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Matrix-Monotonic Optimization– Part I: Single-Variable Optimization.

Xing, C., +, TSP 2021 738-754

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Xing, C., +, TSP 2021 179-194

Maximum a Posteriori Probability (MAP) Joint Fine Frequency Offset and Channel Estimation for MIMO Systems With Channels of Arbitrary Correlation.

Zhou, M., +, TSP 2021 4357-4370

Misspecified Cramer–Rao Bounds for Blind Channel Estimation Under Channel Order Misspecification.

Thanh, L.T., +, TSP 2021 5372-5385

mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation.

Prasanna, D., +, TSP 2021 2356-2370

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Xia, S., +, TSP 2021 5693-5707

Resource Allocation and Dithering of Bayesian Parameter Estimation Using Mixed-Resolution Data.

Berman, I., +, TSP 2021 6148-6164

Subspace-Based Estimation of Rapidly Varying Mobile Channels for OFDM Systems.

Senol, H., +, TSP 2021 385-400

SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems.

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Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems.

Du, J., +, TSP 2021 6251-6266

Tensor-Based Near-Field Localization Using Massive Antenna Arrays.

Podkurov, I., +, TSP 2021 5830-5845

Wide-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection.

Chen, Y., +, TSP 2021 4685-4698

Chaos**Efficient Node Selection Strategy for Sampling Bandlimited Signals on Graphs.**

Yang, G., +, TSP 2021 5815-5829

Circuit noise**Time- and Frequency-Interleaving: Distinctions and Connections.**

Song, J., +, TSP 2021 2555-2568

Closed loop systems**Protocol-Based Tobit Kalman Filter Under Integral Measurements and Probabilistic Sensor Failures.**

Geng, H., +, TSP 2021 546-559

Closed-form solutions**On the Performance of One-Bit DoA Estimation via Sparse Linear Arrays.**

Sedighi, S., +, TSP 2021 6165-6182

Clustering algorithms**A Two Stage Generalized Block Orthogonal Matching Pursuit (TSGBOMP) Algorithm.**

Mukhopadhyay, S., +, TSP 2021 5846-5858

Adaptive Filters With Robust Augmented Space Linear Model: A Weighted k-NN Method.

Zhang, Q., +, TSP 2021 6448-6461

Cochannel interference**Maximum Likelihood Optimization of Adaptive Asynchronous Interference Mitigation Beamformer.**

Kuzminskiy, A.M., +, TSP 2021 5134-5146

Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface.

Peng, Z., +, TSP 2021 837-851

Coding errors**Multi-Player Multi-Armed Bandits With Collision-Dependent Reward Distributions.**

Shi, C., +, TSP 2021 4385-4402

Cognitive radar**An Efficient Power Allocation Strategy for Maneuvering Target Tracking in Cognitive MIMO Radar.**

Zhang, H., +, TSP 2021 1591-1602

Frequency Diverse Array Signal Optimization: From Non-Cognitive to Cognitive Radar.

Rubinstein, N., +, TSP 2021 6206-6220

Spatial- and Range- ISLR Trade-Off in MIMO Radar Via Waveform Correlation Optimization.

Raei, E., +, TSP 2021 3283-3298

Cognitive radio**Energy Efficiency Optimization in Radar-Communication Spectrum Sharing.**

Grossi, E., +, TSP 2021 3541-3554

- Robust Spectrum Sensing Via Probability Measure Transform. *Sorek, Y., +, TSP 2021 4023-4038*
- Collaborative work**
- Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*
- Communication complexity**
- Decentralized Learning With Lazy and Approximate Dual Gradients. *Liu, Y., +, TSP 2021 1362-1377*
- Compensation**
- Enhanced Propriety-Based I/Q Imbalance Compensation in LTE/NR Receivers. *Paireder, T., +, TSP 2021 2569-2584*
- Complexity theory**
- FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data. *Zhang, X., +, TSP 2021 6055-6070*
- Compressed sensing**
- A Two Stage Generalized Block Orthogonal Matching Pursuit (TSGBOMP) Algorithm. *Mukhopadhyay, S., +, TSP 2021 5846-5858*
- Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery. *Yuan, Z., +, TSP 2021 617-630*
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- Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *Joseph, G., +, TSP 2021 905-916*
- Online Deep Neural Networks for MmWave Massive MIMO Channel Estimation With Arbitrary Array Geometry. *Zheng, X., +, TSP 2021 2010-2025*
- Optimal Data Detection and Signal Estimation in Systems With Input Noise. *Ghods, R., +, TSP 2021 5105-5119*
- Optimal Restricted Isometry Condition of Normalized Sampling Matrices for Exact Sparse Recovery With Orthogonal Least Squares. *Kim, J., +, TSP 2021 1521-1536*
- Phase Transitions in Frequency Agile Radar Using Compressed Sensing. *Li, Y., +, TSP 2021 4801-4818*
- Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. *Li, S., +, TSP 2021 3117-3131*
- Serial Quantization for Sparse Time Sequences. *Cohen, A., +, TSP 2021 3299-3314*
- Structured LISTA for Multidimensional Harmonic Retrieval. *Fu, R., +, TSP 2021 3459-3472*
- Support Recovery for Sparse Multidimensional Phase Retrieval. *Novikov, A., +, TSP 2021 4403-4415*
- Third-Order Statistics Reconstruction From Compressive Measurements. *Wang, Y., +, TSP 2021 2888-2901*
- Unambiguous Delay-Doppler Recovery From Random Phase Coded Pulses. *Liu, X., +, TSP 2021 4991-5004*
- Computational complexity**
- A Depth-First Iterative Algorithm for the Conjugate Pair Fast Fourier Transform. *Becoulet, A., +, TSP 2021 1537-1547*
- A Machine Learning Approach to DoA Estimation and Model Order Selection for Antenna Arrays With Subarray Sampling. *Barthelme, A., +, TSP 2021 3075-3087*
- A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*
- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*
- Accelerated Structured Alternating Projections for Robust Spectrally Sparse Signal Recovery. *Cai, H., +, TSP 2021 809-821*
- Adaptive Frequency-Domain Normalized Implementations of Widely-Linear Complex-Valued Filter. *Zhang, S., +, TSP 2021 5801-5814*
- Binary Discrete Fourier Transform and Its Inversion. *Levinson, H.W., +, TSP 2021 3484-3499*
- Binary MIMO Detection via Homotopy Optimization and Its Deep Adaptation. *Shao, M., +, TSP 2021 781-796*
- Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications. *Pascual Campo, P., +, TSP 2021 370-384*
- Complexity Blowup in Simulating Analog Linear Time-Invariant Systems on Digital Computers. *Boche, H., +, TSP 2021 5005-5020*
- Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*
- Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance. *Zhang, Z., +, TSP 2021 3868-3877*
- Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*
- Distributed Implementation of the Centralized Generalized Labeled Multi-Bernoulli Filter. *Herrmann, M., +, TSP 2021 5159-5174*
- Distributed Learning in Non-Convex Environments—Part I: Agreement at a Linear Rate. *Vlaski, S., +, TSP 2021 1242-1256*
- Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*
- Efficient Direct Target Localization for Distributed MIMO Radar With Expectation Propagation and Belief Propagation. *Yu, Z., +, TSP 2021 4055-4068*
- Exploiting Sparsity of Ranging Biases for NLOS Mitigation. *Jin, D., +, TSP 2021 3782-3795*
- Fast Signal Recovery From Quadratic Measurements. *Moscoso, M., +, TSP 2021 2042-2055*
- Finite-Alphabet Symbol-Level Multiuser Precoding for Massive MU-MIMO Downlink. *Haqiqatnejad, A., +, TSP 2021 5595-5610*
- Frequency Domain Analysis and Equalization for Molecular Communication. *Huang, Y., +, TSP 2021 1952-1967*
- General Cauchy Conjugate Gradient Algorithms Based on Multiple Random Fourier Features. *Zhang, H., +, TSP 2021 1859-1873*
- Generic FRI-Based DOA Estimation: A Model-Fitting Method. *Li, Y., +, TSP 2021 4102-4115*
- Globally Convergent Gradient Projection Type Algorithms for a Class of Robust Hypothesis Testings. *Ma, T., +, TSP 2021 1828-1841*
- Incoherence is Sufficient for Statistical RIP of Unit Norm Tight Frames: Constructions and Properties. *Sasmal, P., +, TSP 2021 2343-2355*
- Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks. *Zhang, L., +, TSP 2021 2114-2128*
- Kalman Filtering Based Combining for MIMO Systems With Hybrid ARQ. *Park, S., TSP 2021 5250-5258*
- Low-Complexity Scaling Methods for DCT-II Approximations. *Coelho, D., +, TSP 2021 4557-4566*
- Marginal Likelihood Maximization Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation. *Mao, Y., +, TSP 2021 5512-5522*
- Memory-Constrained No-Regret Learning in Adversarial Multi-Armed Bandits. *Xu, X., +, TSP 2021 2371-2382*
- Mixed Membership Graph Clustering via Systematic Edge Query. *Ibrahim, S., +, TSP 2021 5189-5205*
- Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. *Peng, Z., +, TSP 2021 837-851*
- Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*
- On the Tracking Performance of Adaptive Filters and Their Combinations. *Claser, R., +, TSP 2021 3104-3116*
- Online Joint State Inference and Learning of Partially Unknown State-Space Models. *Kullberg, A., +, TSP 2021 4149-4161*
- RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection. *Pratik, K., +, TSP 2021 459-473*
- Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. *Dai, J., +, TSP 2021 4977-4990*
- Reconfigurable Intelligent Surface for Massive Connectivity: Joint Activity Detection and Channel Estimation. *Xia, S., +, TSP 2021 5693-5707*

- Reduced-Rank L1-Norm Principal-Component Analysis With Performance Guarantees. *Kamrani, H., +, TSP 2021 240-255*
- Regularized Local Basis Function Approach to Identification of Nonstationary Processes. *Gancza, A., +, TSP 2021 1665-1680*
- Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*
- Robust Low-Rank Tensor Completion Based on Tensor Ring Rank via ℓ_1 -Norm. *Li, X.P., +, TSP 2021 3685-3698*
- Robust Sensor Placement for Signal Extraction. *Ghayem, F., +, TSP 2021 4513-4528*
- Safe Linear Thompson Sampling With Side Information. *Moradipari, A., +, TSP 2021 3755-3767*
- Sparse Phase Retrieval Via PhaseLiftOff. *Xia, Y., +, TSP 2021 2129-2143*
- Spatial-Slepian Transform on the Sphere. *Aslam, A., +, TSP 2021 4474-4485*
- Support Recovery for Sparse Multidimensional Phase Retrieval. *Novikov, A., +, TSP 2021 4403-4415*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*
- Trade-Offs in Decentralized Multi-Antenna Architectures: The WAX Decomposition. *Alegria, J.V., +, TSP 2021 3627-3641*
- Two-Stage Bayesian Sequential Change Diagnosis. *Ma, X., +, TSP 2021 6131-6147*
- Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*
- Computational efficiency**
- Two-Stage Bayesian Sequential Change Diagnosis. *Ma, X., +, TSP 2021 6131-6147*
- Computational geometry**
- A Riemannian Framework for Low-Rank Structured Elliptical Models. *Bouchard, F., +, TSP 2021 1185-1199*
- Multiple Importance Sampling for Symbol Error Rate Estimation of Maximum-Likelihood Detectors in MIMO Channels. *Elvira, V., +, TSP 2021 1200-1212*
- Computational modeling**
- A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation. *Imtiaz, H., +, TSP 2021 6355-6370*
- Accelerating Optimal Experimental Design for Robust Synchronization of Uncertain Kuramoto Oscillator Model Using Machine Learning. *Woo, H., +, TSP 2021 6473-6487*
- Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*
- FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data. *Zhang, X., +, TSP 2021 6055-6070*
- Gradual Federated Learning With Simulated Annealing. *Nguyen, L.T., +, TSP 2021 6299-6313*
- LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. *Khobahi, S., +, TSP 2021 5651-5664*
- Signal Source Distribution Approximation to Speedup Scalar Quantizer Design. *Anavangot, V., +, TSP 2021 6314-6328*
- Computed tomography**
- Bilateral Spectrum Weighted Total Variation for Noisy-Image Super-Resolution and Image Denoising. *Sun, K., +, TSP 2021 6329-6341*
- Computer aided instruction**
- Grade Prediction From Multi-Valued Click-Stream Traces via Bayesian-Regularized Deep Neural Networks. *Ng, K.H.R., +, TSP 2021 1477-1491*
- Computer vision**
- Band-Stop Smoothing Filter Design. *Roonizi, A.K., +, TSP 2021 1797-1810*
- Matched Manifold Detection for Group-Invariant Registration and Classification of Images. *Yavo, Z., +, TSP 2021 4162-4176*
- Robust Low-Rank Matrix Completion via an Alternating Manifold Proximal Gradient Continuation Method. *Huang, M., +, TSP 2021 2639-2652*
- Concave programming**
- A Neural Network Method for Nonconvex Optimization and its Application on Parameter Retrieval. *Yang, Y., +, TSP 2021 3383-3398*
- An Improved Convergence Analysis for Decentralized Online Stochastic Non-Convex Optimization. *Xin, R., +, TSP 2021 1842-1858*
- Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*
- Binary Discrete Fourier Transform and Its Inversion. *Levinson, H.W., +, TSP 2021 3484-3499*
- Clustering by Orthogonal NMF Model and Non-Convex Penalty Optimization. *Wang, S., +, TSP 2021 5273-5288*
- Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*
- CPGD: Cadzow Plug-and-Play Gradient Descent for Generalised FRI. *Simoni, M., +, TSP 2021 42-57*
- Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*
- Distributed Learning in Non-Convex Environments—Part I: Agreement at a Linear Rate. *Vlaski, S., +, TSP 2021 1242-1256*
- Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*
- Efficient Sparse Coding Using Hierarchical Riemannian Pursuit. *Xue, Y., +, TSP 2021 4069-4084*
- Fair Principal Component Analysis and Filter Design. *Zalberg, G., +, TSP 2021 4835-4842*
- HePPCAT: Probabilistic PCA for Data With Heteroscedastic Noise. *Hong, D., +, TSP 2021 4819-4834*
- Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *Cheng, X., +, TSP 2021 5448-5462*
- Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems. *Lu, S., +, TSP 2021 4859-4874*
- Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves. *AlSharif, M.H., +, TSP 2021 5078-5093*
- Manifold Proximal Point Algorithms for Dual Principal Component Pursuit and Orthogonal Dictionary Learning. *Chen, S., +, TSP 2021 4759-4773*
- Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel. *Hellings, C., +, TSP 2021 1548-1562*
- Multi-Group Multicast Beamforming by Superiorized Projections Onto Convex Sets. *Fink, J., +, TSP 2021 5708-5722*
- Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. *Peng, Z., +, TSP 2021 837-851*
- Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. *Aubry, A., +, TSP 2021 270-283*
- Power Allocation for Coexisting Multicarrier Radar and Communication Systems in Cluttered Environments. *Wang, F., +, TSP 2021 1603-1613*
- Practical Precoding via Asynchronous Stochastic Successive Convex Approximation. *Idrees, B.M., +, TSP 2021 4177-4191*
- Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*
- Robust Power Allocation for Resource-Aware Multi-Target Tracking With Colocated MIMO Radars. *Yuan, Y., +, TSP 2021 443-458*
- Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. *Fan, W., +, TSP 2021 1563-1578*
- Target Capacity Based Resource Optimization for Multiple Target Tracking in Radar Network. *Yan, J., +, TSP 2021 2410-2421*
- Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*
- Conjugate gradient methods**
- General Cauchy Conjugate Gradient Algorithms Based on Multiple Random Fourier Features. *Zhang, H., +, TSP 2021 1859-1873*
- Constraint theory**
- Conservative Stochastic Optimization With Expectation Constraints. *Akhtar, Z., +, TSP 2021 3190-3205*
- Continuous time filters**
- Nonuniform Sampling Rate Conversion:An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*

Continuous time systems

Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*

Task-Based Analog-to-Digital Converters. *Neuhaus, P., +, TSP 2021 5403-5418*

Control system synthesis

Robust State Estimation for Linear Systems Under Distributional Uncertainty. *Wang, S., +, TSP 2021 5963-5978*

Convergence

A Penalty Alternating Direction Method of Multipliers for Convex Composite Optimization Over Decentralized Networks. *Zhang, J., +, TSP 2021 4282-4295*

An Improved Convergence Analysis for Decentralized Online Stochastic Non-Convex Optimization. *Xin, R., +, TSP 2021 1842-1858*

Byzantine-Resilient Decentralized Policy Evaluation With Linear Function Approximation. *Wu, Z., +, TSP 2021 3839-3853*

Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance. *Zhang, Z., +, TSP 2021 3868-3877*

Distributed Inference With Sparse and Quantized Communication. *Mitra, A., +, TSP 2021 3906-3921*

Dual Consensus Proximal Algorithm for Multi-Agent Sharing Problems. *Alghunaim, S.A., +, TSP 2021 5568-5579*

Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter. *Qian, G., +, TSP 2021 2188-2202*

Graphon Signal Processing. *Ruiz, L., +, TSP 2021 4961-4976*

Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems. *Lu, S., +, TSP 2021 4859-4874*

Manifold Proximal Point Algorithms for Dual Principal Component Pursuit and Orthogonal Dictionary Learning. *Chen, S., +, TSP 2021 4759-4773*

Multi-Task Reinforcement Learning in Reproducing Kernel Hilbert Spaces via Cross-Learning. *Cervino, J., +, TSP 2021 5947-5962*

On the Convergence of Nested Decentralized Gradient Methods With Multiple Consensus and Gradient Steps. *Berahas, A., +, TSP 2021 4192-4203*

Signal Source Distribution Approximation to Speedup Scalar Quantizer Design. *Anavangot, V., +, TSP 2021 6314-6328*

Solving Stochastic Compositional Optimization is Nearly as Easy as Solving Stochastic Optimization. *Chen, T., +, TSP 2021 4937-4948*

Structured Covariance Matrix Estimation With Missing-(Complex) Data for Radar Applications via Expectation-Maximization. *Aubry, A., +, TSP 2021 5920-5934*

Time Encoding of Bandlimited Signals: Reconstruction by Pseudo-Inversion and Time-Varying Multiplierless FIR Filtering. *Thao, N.T., +, TSP 2021 341-356*

Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access. *Feres, C., +, TSP 2021 6515-6529*

Convergence of numerical methods

A Novel Framework for the Analysis and Design of Heterogeneous Federated Learning. *Wang, J., +, TSP 2021 5234-5249*

Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*

Fair Principal Component Analysis and Filter Design. *Zalcberg, G., +, TSP 2021 4835-4842*

Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter. *Qian, G., +, TSP 2021 2188-2202*

Frequency-Domain Diffusion Adaptation Over Networks. *Zhang, S., +, TSP 2021 5419-5430*

Nonparametric Compositional Stochastic Optimization for Risk-Sensitive Kernel Learning. *Bedi, A.S., +, TSP 2021 428-442*

Convex programming

A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network. *Zhang, Z., +, TSP 2021 4085-4101*

A Novel Framework for the Analysis and Design of Heterogeneous Federated Learning. *Wang, J., +, TSP 2021 5234-5249*

A Penalty Alternating Direction Method of Multipliers for Convex Composite Optimization Over Decentralized Networks. *Zhang, J., +, TSP 2021 4282-4295*

Accelerated Structured Alternating Projections for Robust Spectrally Sparse Signal Recovery. *Cai, H., +, TSP 2021 809-821*

Adaptive Superresolution in Deconvolution of Sparse Peaks. *Koulouri, A., +, TSP 2021 165-178*

An Efficient Power Allocation Strategy for Maneuvering Target Tracking in Cognitive MIMO Radar. *Zhang, H., +, TSP 2021 1591-1602*

An Improved Convergence Analysis for Decentralized Online Stochastic Non-Convex Optimization. *Xin, R., +, TSP 2021 1842-1858*

Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*

Binary MIMO Detection via Homotopy Optimization and Its Deep Adaptation. *Shao, M., +, TSP 2021 781-796*

Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*

Conservative Stochastic Optimization With Expectation Constraints. *Akhtar, Z., +, TSP 2021 3190-3205*

Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance. *Zhang, Z., +, TSP 2021 3868-3877*

Decentralized Online Convex Optimization With Event-Triggered Communications. *Cao, X., +, TSP 2021 284-299*

Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*

Distributed Algorithms for Composite Optimization: Unified Framework and Convergence Analysis. *Xu, J., +, TSP 2021 3555-3570*

Distributed Convex Optimization With State-Dependent (Social) Interactions and Time-Varying Topologies. *Alaviani, S.S., +, TSP 2021 2611-2624*

Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*

Dynamic Online Learning via Frank-Wolfe Algorithm. *Kalhan, D.S., +, TSP 2021 932-947*

Eavesdropper and Jammer Selection in Wireless Source Localization Networks. *Ozturk, C., +, TSP 2021 4341-4356*

Epigraphical Relaxation for Minimizing Layered Mixed Norms. *Kyochi, S., +, TSP 2021 2923-2938*

Fast Graph Filters for Decentralized Subspace Projection. *Romero, D., +, TSP 2021 150-164*

Fast Signal Recovery From Quadratic Measurements. *Moscoso, M., +, TSP 2021 2042-2055*

Fixed Point Strategies in Data Science. *Combettes, P.L., +, TSP 2021 3878-3905*

FlexPD: A Flexible Framework of First-Order Primal-Dual Algorithms for Distributed Optimization. *Mansoori, F., +, TSP 2021 3500-3512*

Globally Convergent Gradient Projection Type Algorithms for a Class of Robust Hypothesis Testings. *Ma, T., +, TSP 2021 1828-1841*

Gridless DOA Estimation and Root-MUSIC for Non-Uniform Linear Arrays. *Wagner, M., +, TSP 2021 2144-2157*

Learning Two-Layer ReLU Networks Is Nearly as Easy as Learning Linear Classifiers on Separable Data. *Yang, Q., +, TSP 2021 4416-4427*

Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems. *Lu, S., +, TSP 2021 4859-4874*

Low-Rank Matrix Recovery With Scaled Subgradient Methods: Fast and Robust Convergence Without the Condition Number. *Tong, T., +, TSP 2021 2396-2409*

Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel. *Hellings, C., +, TSP 2021 1548-1562*

MIMO Radar Waveform Design for Multipath Exploitation. *Xu, Z., +, TSP 2021 5359-5371*

Mixed Membership Graph Clustering via Systematic Edge Query. *Ibrahim, S., +, TSP 2021 5189-5205*

Multi-Group Multicast Beamforming by Superiorized Projections Onto Convex Sets. *Fink, J., +, TSP 2021 5708-5722*

On the Convergence of Nested Decentralized Gradient Methods With Multiple Consensus and Gradient Steps. *Berahas, A., +, TSP 2021 4192-4203*

- Optimal Feature Manipulation Attacks Against Linear Regression. *Li, F., +, TSP 2021 5580-5594*
- Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. *Aubry, A., +, TSP 2021 270-283*
- Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. *Zhao, M., +, TSP 2021 1301-1316*
- Polytopic Matrix Factorization: Determinant Maximization Based Criterion and Identifiability. *Tatli, G., +, TSP 2021 5431-5447*
- Power Allocation for Coexisting Multicarrier Radar and Communication Systems in Cluttered Environments. *Wang, F., +, TSP 2021 1603-1613*
- Practical Precoding via Asynchronous Stochastic Successive Convex Approximation. *Idrees, B.M., +, TSP 2021 4177-4191*
- Radar and Communication Spectral Coexistence in Range-Dependent Interference. *Qian, J., +, TSP 2021 5891-5906*
- Reconfigurable Intelligent Surface Aided Constant-Envelope Wireless Power Transfer. *Yang, H., +, TSP 2021 1347-1361*
- Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*
- Robust Beamforming Design for Magnetic MIMO Wireless Power Transfer Systems. *Zhang, Y., +, TSP 2021 5066-5077*
- Robust Low-Rank Matrix Completion via an Alternating Manifold Proximal Gradient Continuation Method. *Huang, M., +, TSP 2021 2639-2652*
- Robust Low-Rank Tensor Completion Based on Tensor Ring Rank via ℓ_1 -Norm. *Li, X.P., +, TSP 2021 3685-3698*
- Robust Subspace Tracking With Missing Data and Outliers: Novel Algorithm With Convergence Guarantee. *Thanh, L.T., +, TSP 2021 2070-2085*
- Solving High-Order Portfolios via Successive Convex Approximation Algorithms. *Zhou, R., +, TSP 2021 892-904*
- Sparse Phase Retrieval Via PhaseLiftOff. *Xia, Y., +, TSP 2021 2129-2143*
- Sparse-Group Lasso for Graph Learning From Multi-Attribute Data. *Tugnait, J.K., TSP 2021 1771-1786*
- Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. *Fan, W., +, TSP 2021 1563-1578*
- The Benefits of Acting Locally: Reconstruction Algorithms for Sparse in Levels Signals With Stable and Robust Recovery Guarantees. *Adcock, B., +, TSP 2021 3160-3175*
- Two-Stage Stochastic Optimization Via Primal-Dual Decomposition and Deep Unrolling. *Liu, A., +, TSP 2021 3000-3015*
- Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*
- Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*
- Convolution**
- A Novel Low-Complexity GFDM Relay Communication System: Relay Selection and Filter-and-Forward. *Tabatabaei, S.M.J.A., +, TSP 2021 5147-5158*
- Algebraic Neural Networks: Stability to Deformations. *Parada-Mayorga, A., +, TSP 2021 3351-3366*
- Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*
- Discrete Signal Processing with Set Functions. *Puschel, M., +, TSP 2021 1039-1053*
- Octonion Short-Time Fourier Transform for Time-Frequency Representation and Its Applications. *Gao, W., +, TSP 2021 6386-6398*
- SR2CNN: Zero-Shot Learning for Signal Recognition. *Dong, Y., +, TSP 2021 2316-2329*
- Structured LISTA for Multidimensional Harmonic Retrieval. *Fu, R., +, TSP 2021 3459-3472*
- Convolutional neural nets**
- Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning. *Teng, C., +, TSP 2021 300-313*
- Deep Networks for Direction-of-Arrival Estimation in Low SNR. *Papageorgiou, G., +, TSP 2021 3714-3729*
- Deep Scattering Network With Fractional Wavelet Transform. *Shi, J., +, TSP 2021 4740-4757*
- PremiUm-CNN: Propagating Uncertainty Towards Robust Convolutional Neural Networks. *Dera, D., +, TSP 2021 4669-4684*
- Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. *Li, S., +, TSP 2021 3117-3131*
- SR2CNN: Zero-Shot Learning for Signal Recognition. *Dong, Y., +, TSP 2021 2316-2329*
- Cooperative communication**
- Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. *Gostar, A.K., +, TSP 2021 878-891*
- Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks. *Cadena, J., +, TSP 2021 1713-1724*
- Correlation**
- A Comparative Study of Gamma Markov Chains for Temporal Non-Negative Matrix Factorization. *Filstroff, L., +, TSP 2021 1614-1626*
- A Two Stage Generalized Block Orthogonal Matching Pursuit (TSGBOMP) Algorithm. *Mukhopadhyay, S., +, TSP 2021 5846-5858*
- Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*
- Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP 2021 1924-1937*
- Construction of Golay Complementary Matrices and Its Applications to MIMO Omnidirectional Transmission. *Li, F., +, TSP 2021 2100-2113*
- Directionally Weighted Wave Field Estimation Exploiting Prior Information on Source Direction. *Ueno, N., +, TSP 2021 2383-2395*
- Distributed Adaptive Trace Ratio Optimization in Wireless Sensor Networks. *Musluoglu, C.A., +, TSP 2021 3635-3670*
- Efficient Node Selection Strategy for Sampling Bandlimited Signals on Graphs. *Yang, G., +, TSP 2021 5815-5829*
- Enhanced DOA Estimation Exploiting Multi-Frequency Sparse Array. *Zhang, S., +, TSP 2021 5935-5946*
- Generalized Canonical Correlation Analysis: A Subspace Intersection Approach. *Sorensen, M., +, TSP 2021 2452-2467*
- Over-the-Air Computation in Correlated Channels. *Frey, M., +, TSP 2021 5739-5755*
- Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. *Ni, Z., +, TSP 2021 1287-1300*
- Cost function**
- MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function. *Hu, B., +, TSP 2021 6039-6054*
- Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access. *Feres, C., +, TSP 2021 6515-6529*
- Costs**
- Accelerating Optimal Experimental Design for Robust Synchronization of Uncertain Kuramoto Oscillator Model Using Machine Learning. *Woo, H., +, TSP 2021 6473-6487*
- MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function. *Hu, B., +, TSP 2021 6039-6054*
- Two-Stage Bayesian Sequential Change Diagnosis. *Ma, X., +, TSP 2021 6131-6147*
- Couplings**
- ULA Fitting for Sparse Array Design. *Shi, W., +, TSP 2021 6431-6447*
- Covariance analysis**
- Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*
- Covariance matrices**
- A Riemannian Framework for Low-Rank Structured Elliptical Models. *Bouchard, F., +, TSP 2021 1185-1199*
- Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. *Rong, Y., +, TSP 2021 1492-1506*
- Adaptive Radar Detection Without Secondary Data for Uncooperative Spectrum Sharing Scenarios. *Coluccia, A., +, TSP 2021 3206-3219*
- Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. *Zheng, Z., +, TSP 2021 5345-5358*

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- Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*
- Corrections to “Sparse-Group Lasso for Graph Learning From Multi-Attribute Data”. *Tugnait, J., TSP 2021 4758*
- Coupled Regularized Sample Covariance Matrix Estimator for Multiple Classes. *Raninen, E., +, TSP 2021 5681-5692*
- Cyclostationary Processes With Evolving Periods and Amplitudes. *Das, S., +, TSP 2021 1579-1590*
- Deep Networks for Direction-of-Arrival Estimation in Low SNR. *Papageorgiou, G., +, TSP 2021 3714-3729*
- Detection of the Number of Signals by Signal Subspace Matching. *Wax, M., +, TSP 2021 973-985*
- Discrete Time φ -Lag Maximum Likelihood FIR Smoothing and Iterative Recursive Algorithm. *Zhao, S., +, TSP 2021 6342-6354*
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- Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. *Robbiano, C., +, TSP 2021 5627-5637*
- Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*
- Learning Strategies for Radar Clutter Classification. *Addabbo, P., +, TSP 2021 1070-1082*
- Limited Feedforward Waveform Design for OFDM Dual-Functional Radar-Communications. *Keskin, M.F., +, TSP 2021 2955-2970*
- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. *Meriaux, B., +, TSP 2021 603-616*
- Maximum Likelihood Optimization of Adaptive Asynchronous Interference Mitigation Beamformer. *Kuzminskiy, A.M., +, TSP 2021 5134-5146*
- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. *Prasanna, D., +, TSP 2021 2356-2370*
- Network Topology Inference From Heterogeneous Incomplete Graph Signals. *Yang, X., +, TSP 2021 314-327*
- Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*
- Probability of Resolution of Partially Relaxed Deterministic Maximum Likelihood: An Asymptotic Approach. *Schenck, D., +, TSP 2021 852-866*
- Protocol-Based Tobit Kalman Filter Under Integral Measurements and Probabilistic Sensor Failures. *Geng, H., +, TSP 2021 546-559*
- Resource Allocation and Dithering of Bayesian Parameter Estimation Using Mixed-Resolution Data. *Berman, I., +, TSP 2021 6148-6164*
- Robust Spectrum Sensing Via Probability Measure Transform. *Sorek, Y., +, TSP 2021 4023-4038*
- Shallow Underwater Acoustic Massive MIMO Communications. *Wu, W., +, TSP 2021 1124-1139*
- Shrinking the Eigenvalues of M-Estimators of Covariance Matrix. *Ollila, E., +, TSP 2021 256-269*
- Space-Time Adaptive Detection at Low Sample Support. *Robinson, B.D., +, TSP 2021 2939-2954*
- Sparse Activity Detection in Multi-Cell Massive MIMO Exploiting Channel Large-Scale Fading. *Chen, Z., +, TSP 2021 3768-3781*
- Sparse-Group Lasso for Graph Learning From Multi-Attribute Data. *Tugnait, J.K., TSP 2021 1771-1786*
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- Target Detection Within Nonhomogeneous Clutter Via Total Bregman Divergence-Based Matrix Information Geometry Detectors. *Hua, X., +, TSP 2021 4326-4340*
- Throughput Maximization for Intelligent Reflecting Surface Aided MIMO WPCNs With Different DL/UL Reflection Patterns. *Gong, S., +, TSP 2021 2706-2724*
- Unitary Approximate Message Passing for Sparse Bayesian Learning. *Luo, M., +, TSP 2021 6023-6039*
- Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection. *Chen, Y., +, TSP 2021 4685-4698*
- Cramer-Rao bounds**
Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*
- CW radar**
Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*
- Cyber-physical systems**
Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems. *Krishnamurthy, V., TSP 2021 1054-1069*
- Cyclic redundancy check codes**
Convolutional Neural Network-Aided Tree-Based Bit-Flipping Framework for Polar Decoder Using Imitation Learning. *Teng, C., +, TSP 2021 300-313*
- D**
- Data analysis**
Correction to “Information Geometric Approach to Multisensor Estimation Fusion”. *Rong, Y., +, TSP 2021 4556*
- Discrete Signal Processing on Meet/Join Lattices. *Puschel, M., +, TSP 2021 3571-3584*
- Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
- Identifiability-Guaranteed Simplex-Structured Post-Nonlinear Mixture Learning via Autoencoder. *Lyu, Q., +, TSP 2021 4921-4936*
- Multimodal Data Fusion in High-Dimensional Heterogeneous Datasets Via Generative Models. *Yilmaz, Y., +, TSP 2021 5175-5188*
- Data compression**
A Novel Framework for Combining Multiple Radar Waveforms Using Time Compression Overlap-Add. *Youssef, A., +, TSP 2021 4371-4384*
- Compressed Gradient Methods With Hessian-Aided Error Compensation. *Khirirat, S., +, TSP 2021 998-1011*
- Grid-Graph Signal Processing (Grid-GSP): A Graph Signal Processing Framework for the Power Grid. *Ramakrishna, R., +, TSP 2021 2725-2739*
- Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *Cheng, X., +, TSP 2021 5448-5462*
- Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks. *Zhang, L., +, TSP 2021 2114-2128*
- Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. *Li, S., +, TSP 2021 3117-3131*
- The Benefits of Acting Locally: Reconstruction Algorithms for Sparse in Levels Signals With Stable and Robust Recovery Guarantees. *Adcock, B., +, TSP 2021 3160-3175*
- Data fusion**
Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
- Multimodal Data Fusion in High-Dimensional Heterogeneous Datasets Via Generative Models. *Yilmaz, Y., +, TSP 2021 5175-5188*
- Data handling**
Change Point Detection in Time Series Data Using Autoencoders With a Time-Invariant Representation. *De Ryck, T., +, TSP 2021 3513-3524*
- Distributed and Quantized Online Multi-Kernel Learning. *Shen, Y., +, TSP 2021 5496-5511*
- Fixed Point Strategies in Data Science. *Combettes, P.L., +, TSP 2021 3878-3905*
- HePPCAT: Probabilistic PCA for Data With Heteroscedastic Noise. *Hong, D., +, TSP 2021 4819-4834*

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- Low-Rank Matrix Recovery With Scaled Subgradient Methods: Fast and Robust Convergence Without the Condition Number. *Tong, T., +, TSP 2021 2396-2409*
- Robust Subspace Tracking With Missing Data and Outliers: Novel Algorithm With Convergence Guarantee. *Thanh, L.T., +, TSP 2021 2070-2085*
- Sparse-Group Lasso for Graph Learning From Multi-Attribute Data. *Tugnait, J.K., TSP 2021 1771-1786*
- Third-Order Statistics Reconstruction From Compressive Measurements. *Wang, Y., +, TSP 2021 2888-2901*
- Data integration**
- Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
- Data models**
- Accelerating Optimal Experimental Design for Robust Synchronization of Uncertain Kuramoto Oscillator Model Using Machine Learning. *Woo, H., +, TSP 2021 6473-6487*
- Comments on “Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator”. *Friedlander, B., TSP 2021 6399-6400*
- Correction to “Information Geometric Approach to Multisensor Estimation Fusion”. *Rong, Y., +, TSP 2021 4556*
- Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*
- FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data. *Zhang, X., +, TSP 2021 6055-6070*
- Gradual Federated Learning With Simulated Annealing. *Nguyen, L.T., +, TSP 2021 6299-6313*
- Polytopic Matrix Factorization: Determinant Maximization Based Criterion and Identifiability. *Tatli, G., +, TSP 2021 5431-5447*
- Sequential Inference Methods for Non-Homogeneous Poisson Processes With State-Space Prior. *Li, C., +, TSP 2021 1154-1168*
- Database theory**
- Discrete Signal Processing on Meet/Join Lattices. *Puschel, M., +, TSP 2021 3571-3584*
- Decentralized control**
- Decentralized Online Convex Optimization With Event-Triggered Communications. *Cao, X., +, TSP 2021 284-299*
- Design of Asymmetric Shift Operators for Efficient Decentralized Subspace Projection. *Mollaebrahim, S., +, TSP 2021 2056-2069*
- Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error. *Afshari, M., +, TSP 2021 5206-5221*
- Decision feedback equalizers**
- Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*
- Decision making**
- Decision Making in Star Networks With Incorrect Beliefs. *Seo, D., +, TSP 2021 6221-6236*
- Exploiting Relevance for Online Decision-Making in High-Dimensions. *Turgay, E., +, TSP 2021 1438-1451*
- MAP Ratio Test Detector for Radar System. *Guruacharya, S., +, TSP 2021 573-588*
- On the Adversarial Robustness of Hypothesis Testing. *Jin, Y., +, TSP 2021 515-530*
- PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data. *Li, Q., +, TSP 2021 1140-1153*
- Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems. *Krishnamurthy, V., TSP 2021 1054-1069*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*
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- Decision theory**
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*

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Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel. *Hellings, C., +, TSP 2021 1548-1562*

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A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*

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Expectation Propagation-Based Sampling Decoding: Enhancement and Optimization. *Wang, Z., +, TSP 2021 195-209*

Mixture of Inference Networks for VAE-Based Audio-Visual Speech Enhancement. *Sadeghi, M., +, TSP 2021 1899-1909*

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Adaptive Superresolution in Deconvolution of Sparse Peaks. *Koulouri, A., +, TSP 2021 165-178*

Decorrelation

Epigraphical Relaxation for Minimizing Layered Mixed Norms. *Kyochi, S., +, TSP 2021 2923-2938*

Deep learning

Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*

LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. *Khobahi, S., +, TSP 2021 5651-5664*

Deep learning (artificial intelligence)

Change Point Detection in Time Series Data Using Autoencoders With a Time-Invariant Representation. *De Ryck, T., +, TSP 2021 3513-3524*

Deep Learning Enabled Semantic Communication Systems. *Xie, H., +, TSP 2021 2663-2675*

Deep Networks for Direction-of-Arrival Estimation in Low SNR. *Papageorgiou, G., +, TSP 2021 3714-3729*

Deep Scattering Network With Fractional Wavelet Transform. *Shi, J., +, TSP 2021 4740-4757*

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Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. *Li, S., +, TSP 2021 3117-3131*

Structured LISTA for Multidimensional Harmonic Retrieval. *Fu, R., +, TSP 2021 3459-3472*

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Analysis of Propagation Delay Effects on Bearings-Only Fusion of Heterogeneous Sensors. *Arulampalam, S., +, TSP 2021 6488-6503*

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- Detectors**
- LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. *Khobahi, S., +, TSP 2021 5651-5664*
 - Mismatched Data Detection in Massive MU-MIMO. *Jeon, C., +, TSP 2021 6071-6082*
- Deterministic algorithms**
- Distributed Learning in Non-Convex Environments—Part I: Agreement at a Linear Rate. *Vlaski, S., +, TSP 2021 1242-1256*
- Differential equations**
- A Novel Wave Decomposition for Oscillatory Signals. *RuedaSabater, C., +, TSP 2021 960-972*
 - A Stochastic Model for Characterizing Fluctuations in Chemical Sensing. *Grover, A., +, TSP 2021 1938-1951*
 - Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*
- Differential privacy**
- A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation. *Imtiaz, H., +, TSP 2021 6355-6370*
- Diffusion**
- Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors. *Alexandru, R., +, TSP 2021 5539-5554*
 - Graphon Filters: Graph Signal Processing in the Limit. *Morency, M.W., +, TSP 2021 1740-1754*
- Digital arithmetic**
- A Depth-First Iterative Algorithm for the Conjugate Pair Fast Fourier Transform. *Becoulet, A., +, TSP 2021 1537-1547*
 - Low-Complexity Scaling Methods for DCT-II Approximations. *Coelho, D., +, TSP 2021 4557-4566*
- Digital filters**
- Task-Based Analog-to-Digital Converters. *Neuhaus, P., +, TSP 2021 5403-5418*
- Digital signal processing chips**
- The JM-Filter to Detect Specific Frequency in Monitored Signal. *Jaber, M.A., +, TSP 2021 1468-1476*
- Directed graphs**
- Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*
 - Decentralized Online Convex Optimization With Event-Triggered Communications. *Cao, X., +, TSP 2021 284-299*
 - Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*
 - Minimum-Degree Distributed Graph Filter Design. *Ding, K., +, TSP 2021 1083-1096*
- Direction-of-arrival estimation**
- A Joint TOA and DOA Acquisition and Tracking Approach for Positioning With LTE Signals. *Shamaei, K., +, TSP 2021 2689-2705*
 - A Machine Learning Approach to DoA Estimation and Model Order Selection for Antenna Arrays With Subarray Sampling. *Barthelme, A., +, TSP 2021 3075-3087*
 - Adaptive Radar Detection and Classification Algorithms for Multiple Coherent Signals. *Han, S., +, TSP 2021 560-572*
 - Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. *Zheng, Z., +, TSP 2021 5345-5358*
 - Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*
 - Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting. *Weiss, A., TSP 2021 531-545*
 - Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*
 - Cramér-Rao Bound Analysis of Underdetermined Wideband DOA Estimation Under the Subband Model via Frequency Decomposition. *Liang, Y., +, TSP 2021 4132-4148*
 - Deep Networks for Direction-of-Arrival Estimation in Low SNR. *Papageorgiou, G., +, TSP 2021 3714-3729*
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- Direction of Arrival Estimation** of Wideband Sources Using Sparse Linear Arrays. *Wang, F., +, TSP 2021 4444-4457*
- Distributed Algorithms** for Array Signal Processing. *Chen, P., +, TSP 2021 4607-4622*
- Enhanced DOA Estimation** Exploiting Multi-Frequency Sparse Array. *Zhang, S., +, TSP 2021 5935-5946*
- Generalized Non-Redundant Sparse Array Designs**. *Ahmed, A., +, TSP 2021 4580-4594*
- Generic FRI-Based DOA Estimation**: A Model-Fitting Method. *Li, Y., +, TSP 2021 4102-4115*
- Gridless DOA Estimation** and Root-MUSIC for Non-Uniform Linear Arrays. *Wagner, M., +, TSP 2021 2144-2157*
- Joint TOA and DOA Estimation** With CFO Compensation Using Large-Scale Array. *Gong, Z., +, TSP 2021 4204-4218*
- Marginal Likelihood Maximization** Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation. *Mao, Y., +, TSP 2021 5512-5522*
- MVDR Beamformer Design** by Imposing Unit Circle Roots Constraints for Uniform Linear Arrays. *Shaw, A., +, TSP 2021 6116-6130*
- Near-Field Tracking** With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*
- On the Performance** of One-Bit DoA Estimation via Sparse Linear Arrays. *Sedighi, S., +, TSP 2021 6165-6182*
- Performance Analysis** of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*
- Probability of Resolution** of Partially Relaxed Deterministic Maximum Likelihood: An Asymptotic Approach. *Schenck, D., +, TSP 2021 852-866*
- Real-Valued Sparse Bayesian Learning** for DOA Estimation With Arbitrary Linear Arrays. *Dai, J., +, TSP 2021 4977-4990*
- Sparse Symmetric Linear Arrays** With Low Redundancy and a Contiguous Sum Co-Array. *Rajamaki, R., +, TSP 2021 1697-1712*
- Subspace-Constrained Array Response Estimation** in the Presence of Model Errors. *Wax, M., +, TSP 2021 417-427*
- Uplink Sensing** in Perceptive Mobile Networks With Asynchronous Transceivers. *Ni, Z., +, TSP 2021 1287-1300*
- Discrete cosine transforms**
- Low-Complexity Scaling Methods for DCT-II Approximations. *Coelho, D., +, TSP 2021 4557-4566*
- Discrete Fourier transforms**
- Binary Discrete Fourier Transform and Its Inversion. *Levinson, H.W., +, TSP 2021 3484-3499*
 - Eigenvalue Decomposition of a Parahermitian Matrix: Extraction of Analytic Eigenvalues. *Weiss, S., +, TSP 2021 722-737*
 - Frequency Estimation for Zero-Padded Signal Based on the Amplitude Ratio of Two DFT Samples. *Zhang, Y., +, TSP 2021 6504-6514*
 - The JM-Filter to Detect Specific Frequency in Monitored Signal. *Jaber, M.A., +, TSP 2021 1468-1476*
- Discrete time filters**
- Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*
 - Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*
- Discrete time systems**
- Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*
 - Protocol-Based Tobit Kalman Filter Under Integral Measurements and Probabilistic Sensor Failures. *Geng, H., +, TSP 2021 546-559*
- Diseases**
- Exploiting Relevance for Online Decision-Making in High-Dimensions. *Turgay, E., +, TSP 2021 1438-1451*
 - Heterogeneity Aware Two-Stage Group Testing. *Attia, M.A., +, TSP 2021 3977-3990*
- Distortion**
- UVeQFed: Universal Vector Quantization for Federated Learning. *Shlezinger, N., +, TSP 2021 500-514*

Distributed algorithms

- Decentralized Learning With Lazy and Approximate Dual Gradients. *Liu, Y., +, TSP 2021 1362-1377*
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 Distributed and Quantized Online Multi-Kernel Learning. *Shen, Y., +, TSP 2021 5496-5511*
 Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*
 FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data. *Zhang, X., +, TSP 2021 6055-6070*
 On the Convergence of Nested Decentralized Gradient Methods With Multiple Consensus and Gradient Steps. *Berahas, A., +, TSP 2021 4192-4203*
 Optimality Conditions of Performance-Guaranteed Power Minimization in MIMO Networks: A Distributed Algorithm and Its Feasibility. *Xiong, G., +, TSP 2021 119-135*
 Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks. *Cadena, J., +, TSP 2021 1713-1724*

Distributed databases

- Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*
 FedPD: A Federated Learning Framework With Adaptivity to Non-IID Data. *Zhang, X., +, TSP 2021 6055-6070*
 Over-the-Air Computation in Correlated Channels. *Frey, M., +, TSP 2021 5739-5755*

Distributed processing

- Decision Making in Star Networks With Incorrect Beliefs. *Seo, D., +, TSP 2021 6221-6236*
 Design of Asymmetric Shift Operators for Efficient Decentralized Subspace Projection. *Mollaebrahim, S., +, TSP 2021 2056-2069*
 Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*

Distributed sensors

- Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*
 Distributed Implementation of the Centralized Generalized Labeled Multi-Bernoulli Filter. *Herrmann, M., +, TSP 2021 5159-5174*

Diversity reception

- Kalman Filtering Based Combining for MIMO Systems With Hybrid ARQ. *Park, S., TSP 2021 5250-5258*
 Polar Coded Diversity on Block Fading Channels Via Polar Spectrum. *Niu, K., +, TSP 2021 4007-4022*

Doppler radar

- A Novel Framework for Combining Multiple Radar Waveforms Using Time Compression Overlap-Add. *Youssef, A., +, TSP 2021 4371-4384*
 Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*
 Phase Transitions in Frequency Agile Radar Using Compressed Sensing. *Li, Y., +, TSP 2021 4801-4818*
 Randomized Stepped Frequency Radars Exploiting Block Sparsity of Extended Targets: A Theoretical Analysis. *Wang, L., +, TSP 2021 1378-1393*
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- Optimality Conditions of Performance-Guaranteed Power Minimization in MIMO Networks: A Distributed Algorithm and Its Feasibility. *Xiong, G., +, TSP 2021 119-135*

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- Shrinking the Eigenvalues of M-Estimators of Covariance Matrix. *Ollila, E., +, TSP 2021 256-269*

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- Grade Prediction From Multi-Valued Click-Stream Traces via Bayesian-Regularized Deep Neural Networks. *Ng, K.H.R., +, TSP 2021 1477-1491*

Educational courses

- Grade Prediction From Multi-Valued Click-Stream Traces via Bayesian-Regularized Deep Neural Networks. *Ng, K.H.R., +, TSP 2021 1477-1491*

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- A Novel Low-Complexity GFDM Relay Communication System: Relay Selection and Filter-and-Forward. *Tabatabaei, S.M.J.A., +, TSP 2021 5147-5158*

- Algebraic Neural Networks: Stability to Deformations. *Parada-Mayorga, A., +, TSP 2021 3351-3366*

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- Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*

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- Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*

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- Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*

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- Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions. *Colominas, M.A., +, TSP 2021 5094-5104*

- Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series. *Sigrididou, E., +, TSP 2021 5638-5650*

- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. *Meriaux, B., +, TSP 2021 603-616*

- On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. *Komaty, A., +, TSP 2021 2676-2688*

Electromagnetic fields

End-to-End Transmission Analysis of Simultaneous Wireless Information and Power Transfer Using Resonant Beam. *Fang, W., +, TSP 2021 3642-3652*

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PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data. *Li, Q., +, TSP 2021 1140-1153*

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Energy conservation

Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*

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Energy efficiency

Signal Processing Methods to Enhance the Energy Efficiency of In-Memory Computing Architectures. *Sakr, C., +, TSP 2021 6462-6472*

Entropy

Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter. *Qian, G., +, TSP 2021 2188-2202*

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SR2CNN: Zero-Shot Learning for Signal Recognition. *Dong, Y., +, TSP 2021 2316-2329*

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Compressed Gradient Methods With Hessian-Aided Error Compensation. *Khirirat, S., +, TSP 2021 998-1011*

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Error correction codes

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Error probability

Decision Making in Star Networks With Incorrect Beliefs. *Seo, D., +, TSP 2021 6221-6236*

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Corrections to “Sparse-Group Lasso for Graph Learning From Multi-Attribute Data”. *Tugnait, J., TSP 2021 4758*

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- Time of Arrival and Angle of Arrival Estimation Algorithm in Dense Multipath. *Rogel, N., +, TSP 2021 5907-5919*
- Estimation error**
- On the Performance of One-Bit DoA Estimation via Sparse Linear Arrays. *Sedighi, S., +, TSP 2021 6165-6182*
- Estimation theory**
- A Comparative Study of Gamma Markov Chains for Temporal Non-Negative Matrix Factorization. *Filstroff, L., +, TSP 2021 1614-1626*
- A Joint TOA and DOA Acquisition and Tracking Approach for Positioning With LTE Signals. *Shamaei, K., +, TSP 2021 2689-2705*
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- Directionally Weighted Wave Field Estimation Exploiting Prior Information on Source Direction. *Ueno, N., +, TSP 2021 2383-2395*
- Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*
- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. *Meriaux, B., +, TSP 2021 603-616*
- Neural Estimators for Conditional Mutual Information Using Nearest Neighbors Sampling. *Molavipour, S., +, TSP 2021 766-780*
- Optimal Data Detection and Signal Estimation in Systems With Input Noise. *Ghods, R., +, TSP 2021 5105-5119*
- Performance Analysis of Joint Range-Velocity Estimator With 2D-MUSIC in OFDM Radar. *Xie, R., +, TSP 2021 4787-4800*
- Robust M-Estimation Based Bayesian Cluster Enumeration for Real Elliptically Symmetric Distributions. *Schroth, C., +, TSP 2021 3525-3540*
- Robust State Estimation for Linear Systems Under Distributional Uncertainty. *Wang, S., +, TSP 2021 5963-5978*
- Space-Time Adaptive Detection at Low Sample Support. *Robinson, B.D., +, TSP 2021 2939-2954*
- Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection. *Chen, Y., +, TSP 2021 4685-4698*
- Expectation-maximization algorithms**
- Approximate Inference and Learning of State Space Models With Laplace Noise. *Neri, J., +, TSP 2021 3176-3189*
- Learning Strategies for Radar Clutter Classification. *Addabbo, P., +, TSP 2021 1070-1082*
- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. *Prasanna, D., +, TSP 2021 2356-2370*
- Real Elliptically Skewed Distributions and Their Application to Robust Cluster Analysis. *Schroth, C., +, TSP 2021 3947-3962*
- Recovering Joint Probability of Discrete Random Variables From Pairwise Marginals. *Ibrahim, S., +, TSP 2021 4116-4131*
- F**
- Face recognition**
- Generalized Multiview Shared Subspace Learning Using View Bootstrapping. *Somandepalli, K., +, TSP 2021 4774-4786*
- Fading channels**
- Learning to Demodulate From Few Pilots via Offline and Online Meta-Learning. *Park, S., +, TSP 2021 226-239*
- Maximum Likelihood Time Synchronization for Zero-Padded OFDM. *Roshandeh, K.P., +, TSP 2021 641-654*
- Multi-Layer Bilinear Generalized Approximate Message Passing. *Zou, Q., +, TSP 2021 4529-4543*
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- SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. *Nguyen, L.V., +, TSP 2021 2086-2099*
- Fast Fourier transforms**
- A Depth-First Iterative Algorithm for the Conjugate Pair Fast Fourier Transform. *Becoulet, A., +, TSP 2021 1537-1547*
- Bayesian Reconstruction of Fourier Pairs. *Tobar, F., +, TSP 2021 73-87*
- Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*
- The JM-Filter to Detect Specific Frequency in Monitored Signal. *Jaber, M.A., +, TSP 2021 1468-1476*
- Fault diagnosis**
- Dynamic System Fault Diagnosis Under Sparseness Assumption. *Zhang, Q., TSP 2021 2499-2508*
- Fault tolerant computing**
- Byzantine-Resilient Decentralized Policy Evaluation With Linear Function Approximation. *Wu, Z., +, TSP 2021 3839-3853*
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- A Neural Network Method for Nonconvex Optimization and its Application on Parameter Retrieval. *Yang, Y., +, TSP 2021 3383-3398*
- Generalized Canonical Correlation Analysis: A Subspace Intersection Approach. *Sørensen, M., +, TSP 2021 2452-2467*
- Generalized Multiview Shared Subspace Learning Using View Bootstrapping. *Somandepalli, K., +, TSP 2021 4774-4786*
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- Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. *Robbiano, C., +, TSP 2021 5627-5637*
- Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*
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- Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*
- On the Adversarial Robustness of LASSO Based Feature Selection. *Li, F., +, TSP 2021 5555-5567*
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- Feature selection**
- On the Adversarial Robustness of LASSO Based Feature Selection. *Li, F., +, TSP 2021 5555-5567*
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- Decentralized Online Convex Optimization With Event-Triggered Communications. *Cao, X., +, TSP 2021 284-299*
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- Source Localization with Feedback Beamforming. *Karo, I.Y., +, TSP 2021 631-640*
- Feedforward**
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- Feedforward neural networks**
- Randomized Neural Networks Based Decentralized Multi-Task Learning via Hybrid Multi-Block ADMM. *Ye, Y., +, TSP 2021 2844-2857*
- RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection. *Pratik, K., +, TSP 2021 459-473*
- Field programmable gate arrays**
- An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. *Wang, H., +, TSP 2021 2971-2986*
- Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response. *Zheng, X.X., +, TSP 2021 6101-6115*

Filtering

Gaussian Variational State Estimation for Nonlinear State-Space Models. *Courts, J., +, TSP 2021 5979-5993*

Filtering algorithms

Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response. *Zheng, X.X., +, TSP 2021 6101-6115*

Filtering theory

A Linear Algorithm for Multi-Target Tracking in the Context of Possibility Theory. *Houssineau, J., TSP 2021 2740-2751*

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Nonuniform Sampling Rate Conversion: An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*

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Tracking Cells and Their Lineages Via Labeled Random Finite Sets. *Nguyen, T.D., +, TSP 2021 5611-5626*

Filters

Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP 2021 3541-3554*

Finite element analysis

Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*

Finite impulse response filters

Discrete Time φ -Lag Maximum Likelihood FIR Smoothing and Iterative Recursive Algorithm. *Zhao, S., +, TSP 2021 6342-6354*

Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response. *Zheng, X.X., +, TSP 2021 6101-6115*

FIR filters

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Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*

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Minimum-Degree Distributed Graph Filter Design. *Ding, K., +, TSP 2021 1083-1096*

Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*

Time Encoding of Bandlimited Signals: Reconstruction by Pseudo-Inversion and Time-Varying Multiplierless FIR Filtering. *Thao, N.T., +, TSP 2021 341-356*

Fluctuations

A Stochastic Model for Characterizing Fluctuations in Chemical Sensing. *Grover, A., +, TSP 2021 1938-1951*

FM radar

Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*

Fokker-Planck equation

A Stochastic Model for Characterizing Fluctuations in Chemical Sensing. *Grover, A., +, TSP 2021 1938-1951*

Fourier analysis

Discrete Signal Processing on Meet/Join Lattices. *Puschel, M., +, TSP 2021 3571-3584*

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The Wasserstein-Fourier Distance for Stationary Time Series. *Cazelles, E., +, TSP 2021 709-721*

Fourier series

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Complexity Blowup in Simulating Analog Linear Time-Invariant Systems on Digital Computers. *Boche, H., +, TSP 2021 5005-5020*

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Supervised Learning and Canonical Decomposition of Multivariate Functions. *Kargas, N., +, TSP 2021 1097-1107*

Fourier transform optics

Fast Numerical Computation of Two-Dimensional Non-Separable Linear Canonical Transform Based on Matrix Decomposition. *Wei, D., +, TSP 2021 5259-5272*

Fourier transforms

Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*

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- Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*
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- Distributed Nonlinear Polynomial Graph Filter and Its Output Graph Spectrum: Filter Analysis and Design. *Xiao, Z., +, TSP 2021 1725-1739*
- Enhanced Time-Frequency Representation and Mode Decomposition. *Zhang, H., +, TSP 2021 4296-4311*
- Graphon Signal Processing. *Ruiz, L., +, TSP 2021 4961-4976*
- Octonion Short-Time Fourier Transform for Time-Frequency Representation and Its Applications. *Gao, W., +, TSP 2021 6386-6398*
- Optimal Fractional Fourier Filtering for Graph Signals. *Ozturk, C., +, TSP 2021 2902-2912*
- Time Undersampled Acquisition for Multidimensional Sparse Signals With Application to Magnetic Resonance Spectroscopic Imaging. *Karkouri, J., +, TSP 2021 5289-5298*
- Time-Frequency Phase Retrieval for Audio—The Effect of Transform Parameters. *Marafioti, A., +, TSP 2021 3585-3596*
- Fractals**
- On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. *Komaty, A., +, TSP 2021 2676-2688*
- Free energy**
- Application of the Free Energy Principle to Estimation and Control. *vandelaar, T., +, TSP 2021 4234-4244*
- Free-space optical communication**
- Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*
- Frequency agility**
- Phase Transitions in Frequency Agile Radar Using Compressed Sensing. *Li, Y., +, TSP 2021 4801-4818*
- Frequency diversity**
- Space-Time Coding Technique for Coherent Frequency Diverse Array. *Wang, H., +, TSP 2021 5994-6008*
- Frequency division multiplexing**
- A Novel Low-Complexity GFDM Relay Communication System: Relay Selection and Filter-and-Forward. *Tabatabaei, S.M.J.A., +, TSP 2021 5147-5158*
- Frequency estimation**
- Enhanced Time-Frequency Representation and Mode Decomposition. *Zhang, H., +, TSP 2021 4296-4311*
- Frequency Estimation for Zero-Padded Signal Based on the Amplitude Ratio of Two DFT Samples. *Zhang, Y., +, TSP 2021 6504-6514*
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- G**
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- Gaussian distribution**
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Hessian matrices

Compressed Gradient Methods With Hessian-Aided Error Compensation. *Khirirat, S., +, TSP 2021 998-1011*

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Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array. *Zhu, Y., +, TSP 2021 5463-5478*

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Image matching

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Importance Gaussian Quadrature. *Elvira, V., +, TSP 2021 474-488*
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- Byzantine-Resilient Decentralized Policy Evaluation With Linear Function Approximation. *Wu, Z., +, TSP 2021 3839-3853*
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- Group Invariant Dictionary Learning. *Soh, Y.S., TSP 2021 3612-3626*
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- Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*
- Learning Gaussian Graphical Models With Ordered Weighted ℓ_1 Regularization. *Mazza-Anthony, C., +, TSP 2021 489-499*
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- Nonparametric Compositional Stochastic Optimization for Risk-Sensitive Kernel Learning. *Bedi, A.S., +, TSP 2021 428-442*
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- Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
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- ### Recovering Joint Probability of Discrete Random Variables From Pairwise Marginals. *Ibrahim, S., +, TSP 2021 4116-4131*
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- Sparse-Group Lasso for Graph Learning From Multi-Attribute Data. *Tugnait, J.K., TSP 2021 1771-1786*
- Subspace-Constrained Array Response Estimation in the Presence of Model Errors. *Wax, M., +, TSP 2021 417-427*
- Target Localization and Clock Refinement in Distributed MIMO Radar Systems With Time Synchronization Errors. *Song, H., +, TSP 2021 3088-3103*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*
- Temporal Parallelization of Inference in Hidden Markov Models. *Hassan, S., +, TSP 2021 4875-4887*
- Mean square error methods**
- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*
- Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*
- Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*
- Bilinear Channel Estimation for MIMO OFDM: Lower Bounds and Training Sequence Optimization. *Elnakeeb, A., +, TSP 2021 1317-1331*
- Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting. *Weiss, A., TSP 2021 531-545*
- Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP 2021 1924-1937*
- Coupled Regularized Sample Covariance Matrix Estimator for Multiple Classes. *Raninen, E., +, TSP 2021 5681-5692*
- Cramér-Rao Bound for Estimation After Model Selection and Its Application to Sparse Vector Estimation. *Meir, E., +, TSP 2021 2284-2301*
- Distributed Design of Robust Kalman Filters Over Corrupted Channels. *He, X., +, TSP 2021 2422-2434*
- Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems. *Mirzaei, J., +, TSP 2021 5784-5800*
- Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks. *Zhang, L., +, TSP 2021 2114-2128*
- Low-Complexity Scaling Methods for DCT-II Approximations. *Coelho, D., +, TSP 2021 4557-4566*
- Mathematical Theory of Atomic Norm Denoising in Blind Two-Dimensional Super-Resolution. *Suliman, M.A., +, TSP 2021 1681-1696*
- Maximum Likelihood Time Synchronization for Zero-Padded OFDM. *Roshandeh, K.P., +, TSP 2021 641-654*
- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. *Prasanna, D., +, TSP 2021 2356-2370*
- Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error. *Afshari, M., +, TSP 2021 5206-5221*
- Multi-Layer Bilinear Generalized Approximate Message Passing. *Zou, Q., +, TSP 2021 4529-4543*
- Non-Bayesian Estimation Framework for Signal Recovery on Graphs. *Routenberg, T., TSP 2021 1169-1184*
- Optimal Fractional Fourier Filtering for Graph Signals. *Ozturk, C., +, TSP 2021 2902-2912*
- Optimal Sampling of a Bandlimited Noisy Multiple Output Channel. *Soldoky, G., +, TSP 2021 2026-2041*
- Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming. *He, X., +, TSP 2021 682-694*
- Subspace-Based Estimation of Rapidly Varying Mobile Channels for OFDM Systems. *Senol, H., +, TSP 2021 385-400*
- Task-Based Analog-to-Digital Converters. *Neuhaus, P., +, TSP 2021 5403-5418*
- Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*
- Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. *Ni, Z., +, TSP 2021 1287-1300*
- Measurement**
- Nearly Consistent Finite Particle Estimates in Streaming Importance Sampling. *Koppel, A., +, TSP 2021 6401-6415*
- Probabilistic PCA From Heteroscedastic Signals: Geometric Framework and Application to Clustering. *Collas, A., +, TSP 2021 6546-6560*
- Measurement uncertainty**
- Joint Nonlinear Sparse Error Correction for Robust State Estimation. *Kibria, S., +, TSP 2021 5859-5874*
- Multi-Sensor Filtering Fusion With Parametric Uncertainties and Measurement Censoring: Monotonicity and Boundedness. *Geng, H., +, TSP 2021 5875-5890*
- Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*
- Medical control systems**
- Exploiting Relevance for Online Decision-Making in High-Dimensions. *Turgay, E., +, TSP 2021 1438-1451*
- Medical image processing**
- Deep Learning Model-Aware Regularization With Applications to Inverse Problems. *Amjad, J., +, TSP 2021 6371-6385*
- Phase Retrieval Using Expectation Consistent Signal Recovery Algorithm Based on Hypernetwork. *Wang, C., +, TSP 2021 5770-5783*
- Time Undersampled Acquisition for Multidimensional Sparse Signals With Application to Magnetic Resonance Spectroscopic Imaging. *Karkouri, J., +, TSP 2021 5289-5298*
- Medical signal processing**
- Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*
- Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions. *Colominas, M.A., +, TSP 2021 5094-5104*
- Null Space Component Analysis of One-Shot Single-Channel Source Separation Problem. *Hwang, W., +, TSP 2021 2233-2251*
- On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. *Komaty, A., +, TSP 2021 2676-2688*
- On Unlimited Sampling and Reconstruction. *Bhandari, A., +, TSP 2021 3827-3839*
- Robust Recovery of Jointly-Sparse Signals Using Minimax Concave Loss Function. *Suzuki, K., +, TSP 2021 669-681*
- Template Adaptation of 2D Quasi-Periodic Data Using a Soft-Assign Localized Correspondence Matrix. *Karisik, F., +, TSP 2021 826-836*
- Memory management**
- Signal Processing Methods to Enhance the Energy Efficiency of In-Memory Computing Architectures. *Sakr, C., +, TSP 2021 6462-6472*
- Message passing**
- Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery. *Yuan, Z., +, TSP 2021 617-630*
- Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array. *Zhu, Y., +, TSP 2021 5463-5478*
- Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance. *Zhang, Z., +, TSP 2021 3868-3877*

- Efficient Direct Target Localization for Distributed MIMO Radar With Expectation Propagation and Belief Propagation. Yu, Z., +, *TSP 2021 4055-4068*
- Mismatched Data Detection in Massive MU-MIMO. Jeon, C., +, *TSP 2021 6071-6082*
- Multi-Layer Bilinear Generalized Approximate Message Passing. Zou, Q., +, *TSP 2021 4529-4543*
- Optimal Data Detection and Signal Estimation in Systems With Input Noise. Ghods, R., +, *TSP 2021 5105-5119*
- Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. Dai, J., +, *TSP 2021 4977-4990*
- Reconfigurable Intelligent Surface for Massive Connectivity: Joint Activity Detection and Channel Estimation. Xia, S., +, *TSP 2021 5693-5707*
- Unitary Approximate Message Passing for Sparse Bayesian Learning. Luo, M., +, *TSP 2021 6023-6039*
- Microeconomics**
- PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data. Li, Q., +, *TSP 2021 1140-1153*
- Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems. Krishnamurthy, V., *TSP 2021 1054-1069*
- Microphone arrays**
- A Robust Wavenumber-Domain Superdirective Beamforming for Endfire Arrays. Yu, G., +, *TSP 2021 4890-4905*
- S²H Domain Processing for Acoustic Source Localization and Beamforming Using Microphone Array on Spherical Sector. Kumari, D., +, *TSP 2021 1983-1994*
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- Learning-Based Predictive Transmitter-Receiver Beam Alignment in Millimeter Wave Fixed Wireless Access Links. Zhang, J., +, *TSP 2021 3268-3282*
- Millimeter wave communication**
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- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. Prasanna, D., +, *TSP 2021 2356-2370*
- Online Deep Neural Networks for MmWave Massive MIMO Channel Estimation With Arbitrary Array Geometry. Zheng, X., +, *TSP 2021 2010-2025*
- MIMO**
- A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network. Zhang, Z., +, *TSP 2021 4085-4101*
- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. Ebrahimi, R., +, *TSP 2021 2468-2480*
- An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. Wang, H., +, *TSP 2021 2971-2986*
- Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array. Zhu, Y., +, *TSP 2021 5463-5478*
- BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. Xi, F., +, *TSP 2021 6267-6282*
- Bilinear Channel Estimation for MIMO OFDM: Lower Bounds and Training Sequence Optimization. Elnakeeb, A., +, *TSP 2021 1317-1331*
- Binary MIMO Detection via Homotopy Optimization and Its Deep Adaptation. Shao, M., +, *TSP 2021 781-796*
- Construction of Golay Complementary Matrices and Its Applications to MIMO Omnidirectional Transmission. Li, F., +, *TSP 2021 2100-2113*
- Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems. Chopra, R., +, *TSP 2021 4219-4233*
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- Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. Grossi, E., +, *TSP 2021 3541-3554*
- Expectation Propagation-Based Sampling Decoding: Enhancement and Optimization. Wang, Z., +, *TSP 2021 195-209*
- Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. Wang, Z., +, *TSP 2021 6083-6100*
- Finite-Alphabet Symbol-Level Multiuser Precoding for Massive MU-MIMO Downlink. Haqiqatnejad, A., +, *TSP 2021 5595-5610*
- Hermite Expansion Model and LMMSE Analysis for Low-Resolution Quantized MIMO Detection. Liu, L., +, *TSP 2021 5313-5328*
- Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems. Mirzaei, J., +, *TSP 2021 5784-5800*
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- Linear MIMO Precoders With Finite Alphabet Inputs via Stochastic Optimization and Deep Neural Networks (DNNs). Jing, S., +, *TSP 2021 4269-4281*
- LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. Khobahi, S., +, *TSP 2021 5651-5664*
- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. Meriaux, B., +, *TSP 2021 603-616*
- Matrix-Monotonic Optimization—Part I: Single-Variable Optimization. Xing, C., +, *TSP 2021 738-754*
- Matrix-Monotonic Optimization—Part II: Multi-Variable Optimization. Xing, C., +, *TSP 2021 179-194*
- Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel. Hellings, C., +, *TSP 2021 1548-1562*
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- Mismatched Data Detection in Massive MU-MIMO. Jeon, C., +, *TSP 2021 6071-6082*
- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. Prasanna, D., +, *TSP 2021 2356-2370*
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- Optimal Data Detection and Signal Estimation in Systems With Input Noise. Ghods, R., +, *TSP 2021 5105-5119*
- Optimality Conditions of Performance-Guaranteed Power Minimization in MIMO Networks: A Distributed Algorithm and Its Feasibility. Xiong, G., +, *TSP 2021 119-135*
- Polar-Coded Spatial Modulation. Dai, J., +, *TSP 2021 2203-2217*
- Polynomial GSVD Beamforming for Two-User Frequency-Selective MIMO Channels. Hassan, D., +, *TSP 2021 948-959*
- Radar and Communication Spectral Coexistence in Range-Dependent Interference. Qian, J., +, *TSP 2021 5891-5906*
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- Reconfigurable Intelligent Surface Aided Constant-Envelope Wireless Power Transfer. Yang, H., +, *TSP 2021 1347-1361*
- Robust Spectrum Sensing Via Probability Measure Transform. Sorek, Y., +, *TSP 2021 4023-4038*
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- SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. Nguyen, L.V., +, *TSP 2021 2086-2099*
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- Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*
- Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection. *Chen, Y., +, TSP 2021 4685-4698*
- MIMO radar**
- An Efficient Power Allocation Strategy for Maneuvering Target Tracking in Cognitive MIMO Radar. *Zhang, H., +, TSP 2021 1591-1602*
- BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. *Xi, F., +, TSP 2021 6267-6282*
- Co-Located MIMO Radar Target Detection in Cluttered and Noisy Environment Based on 2D Block Sparse Recovery. *Lu, X., +, TSP 2021 3431-3445*
- Conditional and Unconditional Cramér-Rao Bounds for Near-Field Localization in Bistatic MIMO Radar Systems. *Khamidullina, L., +, TSP 2021 3220-3234*
- Efficient Direct Target Localization for Distributed MIMO Radar With Expectation Propagation and Belief Propagation. *Yu, Z., +, TSP 2021 4055-4068*
- Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP 2021 3541-3554*
- Erratum to “Massive MIMO radar for target detection”. *Fortunati, S., +, TSP 2021 3235*
- Generalized Multiplexed Waveform Design Framework for Cost-Optimized MIMO Radar. *Hammes, C., +, TSP 2021 88-102*
- MIMO Radar Waveform Design for Multipath Exploitation. *Xu, Z., +, TSP 2021 5359-5371*
- Radar and Communication Spectral Coexistence in Range-Dependent Interference. *Qian, J., +, TSP 2021 5891-5906*
- Robust Power Allocation for Resource-Aware Multi-Target Tracking With Colocated MIMO Radars. *Yuan, Y., +, TSP 2021 443-458*
- Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*
- Spatial- and Range- ISLR Trade-Off in MIMO Radar Via Waveform Correlation Optimization. *Raei, E., +, TSP 2021 3283-3298*
- Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. *Fan, W., +, TSP 2021 1563-1578*
- Target Localization and Clock Refinement in Distributed MIMO Radar Systems With Time Synchronization Errors. *Song, H., +, TSP 2021 3088-3103*
- Target Localization Geometry Gain in Distributed MIMO Radar. *Sadeghi, M., +, TSP 2021 1642-1652*
- Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*
- MIMO systems**
- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*
- Allpass Feedback Delay Networks. *Schlecht, S.J., TSP 2021 1028-1038*
- Minimax techniques**
- Finite-Alphabet Symbol-Level Multiuser Precoding for Massive MU-MIMO Downlink. *Haqiqatnejad, A., +, TSP 2021 5595-5610*
- Globally Convergent Gradient Projection Type Algorithms for a Class of Robust Hypothesis Testings. *Ma, T., +, TSP 2021 1828-1841*
- MIMO Radar Waveform Design for Multipath Exploitation. *Xu, Z., +, TSP 2021 5359-5371*
- Minimax Robust Detection: Classic Results and Recent Advances. *Faus, M., +, TSP 2021 2252-2283*
- On the Adversarial Robustness of Hypothesis Testing. *Jin, Y., +, TSP 2021 515-530*
- Robust Recovery of Jointly-Sparse Signals Using Minimax Concave Loss Function. *Suzuki, K., +, TSP 2021 669-681*
- Minimization**
- A Novel Regularized Model for Third-Order Tensor Completion. *Yang, Y., +, TSP 2021 3473-3483*
- A Penalty Alternating Direction Method of Multipliers for Convex Composite Optimization Over Decentralized Networks. *Zhang, J., +, TSP 2021 4282-4295*
- Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*
- ADMM-Net for Communication Interference Removal in Stepped-Frequency Radar. *Johnston, J., +, TSP 2021 2818-2832*
- An Improved Convergence Analysis for Decentralized Online Stochastic Non-Convex Optimization. *Xin, R., +, TSP 2021 1842-1858*
- Application of the Free Energy Principle to Estimation and Control. *vandelaar, T., +, TSP 2021 4234-4244*
- Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. *Zheng, Z., +, TSP 2021 5345-5358*
- Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*
- Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP 2021 1924-1937*
- Constructing Fast Approximate Eigenspaces With Application to the Fast Graph Fourier Transforms. *Rusu, C., +, TSP 2021 5037-5050*
- Corrections to “Sparse-Group Lasso for Graph Learning From Multi-Attribute Data”. *Tugnait, J., TSP 2021 4758*
- Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. *Jiang, M., +, TSP 2021 986-997*
- Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*
- Efficient Sensor Placement for Signal Reconstruction Based on Recursive Methods. *Li, B., +, TSP 2021 1885-1898*
- Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. *You, L., +, TSP 2021 1407-1421*
- Epigraphical Relaxation for Minimizing Layered Mixed Norms. *Kyochi, S., +, TSP 2021 2923-2938*
- Fast Graph Filters for Decentralized Subspace Projection. *Romero, D., +, TSP 2021 150-164*
- Fixed Point Strategies in Data Science. *Combettes, P.L., +, TSP 2021 3878-3905*
- FlexPD: A Flexible Framework of First-Order Primal-Dual Algorithms for Distributed Optimization. *Mansoori, F., +, TSP 2021 3500-3512*
- Generalized Multiplexed Waveform Design Framework for Cost-Optimized MIMO Radar. *Hammes, C., +, TSP 2021 88-102*
- Globally Convergent Gradient Projection Type Algorithms for a Class of Robust Hypothesis Testings. *Ma, T., +, TSP 2021 1828-1841*
- Independent Vector Analysis via Log-Quadratically Penalized Quadratic Minimization. *Scheibler, R., TSP 2021 2509-2524*
- Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *Cheng, X., +, TSP 2021 5448-5462*
- Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks. *Zhang, L., +, TSP 2021 2114-2128*
- Joint Nonlinear Sparse Error Correction for Robust State Estimation. *Kibriya, S., +, TSP 2021 5859-5874*
- Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems. *Lu, S., +, TSP 2021 4859-4874*
- Localization With One-Bit Passive Radars in Narrowband Internet-of-Things Using Multivariate Polynomial Optimization. *Sedighi, S., +, TSP 2021 2525-2540*
- Low-Rank Matrix Recovery With Scaled Subgradient Methods: Fast and Robust Convergence Without the Condition Number. *Tong, T., +, TSP 2021 2396-2409*
- Majorization-Minimization on the Stiefel Manifold With Application to Robust Sparse PCA. *Breloy, A., +, TSP 2021 1507-1520*
- Mathematical Theory of Atomic Norm Denoising in Blind Two-Dimensional Super-Resolution. *Suliman, M.A., +, TSP 2021 1681-1696*
- Optimality Conditions of Performance-Guaranteed Power Minimization in MIMO Networks: A Distributed Algorithm and Its Feasibility. *Xiong, G., +, TSP 2021 119-135*

- Positive Semidefinite Matrix Factorization: A Connection With Phase Retrieval and Affine Rank Minimization. *Lahat, D., +, TSP 2021 3059-3074*
- Robust Low-Rank Matrix Completion via an Alternating Manifold Proximal Gradient Continuation Method. *Huang, M., +, TSP 2021 2639-2652*
- Robust Low-Rank Tensor Completion Based on Tensor Ring Rank via ℓ_1 -Norm. *Li, X.P., +, TSP 2021 3685-3698*
- Spatial- and Range- ISLR Trade-Off in MIMO Radar Via Waveform Correlation Optimization. *Raei, E., +, TSP 2021 3283-3298*
- Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*
- Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access. *Feres, C., +, TSP 2021 6515-6529*
- MISO communication**
- Bayesian Channel Estimation in Multi-User Massive MIMO With Extremely Large Antenna Array. *Zhu, Y., +, TSP 2021 5463-5478*
- Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*
- Mixture models**
- Heterogeneous Multi-Sensor Fusion With Random Finite Set Multi-Object Densities. *Yi, W., +, TSP 2021 3399-3414*
- Mobile computing**
- Simultaneous Mobile Information and Power Transfer by Resonant Beam. *Liu, M., +, TSP 2021 2766-2778*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*
- Mobile radio**
- A Quasi-Coherent Detection Framework for Mobile Multi-Agent Networks. *Gu, K., +, TSP 2021 6416-6430*
- Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems. *Chopra, R., +, TSP 2021 4219-4233*
- Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors. *Alexandru, R., +, TSP 2021 5539-5554*
- Maximum Likelihood Time Synchronization for Zero-Padded OFDM. *Roshandel, K.P., +, TSP 2021 641-654*
- Reconfigurable Intelligent Surfaces for Localization: Position and Orientation Error Bounds. *Elzanaty, A., +, TSP 2021 5386-5402*
- Subspace-Based Estimation of Rapidly Varying Mobile Channels for OFDM Systems. *Senol, H., +, TSP 2021 385-400*
- Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. *Ni, Z., +, TSP 2021 1287-1300*
- Mobile robots**
- Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. *Robbiano, C., +, TSP 2021 5627-5637*
- Modulation**
- A Robust Decision Directed Algorithm for Blind Equalization Under-Stable Noise. *Li, J., +, TSP 2021 4949-4960*
- Modulation coding**
- Expectation Propagation-Based Sampling Decoding: Enhancement and Optimization. *Wang, Z., +, TSP 2021 195-209*
- Polar-Coded Spatial Modulation. *Dai, J., +, TSP 2021 2203-2217*
- Molecular communication (telecommunication)**
- Frequency Domain Analysis and Equalization for Molecular Communication. *Huang, Y., +, TSP 2021 1952-1967*
- Monte Carlo methods**
- A Unified Framework for Multistatic Passive Radar Target Detection Under Uncalibrated Receivers. *Zaimbashi, A., TSP 2021 695-708*
- Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. *Gostar, A.K., +, TSP 2021 878-891*
- Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems. *Chopra, R., +, TSP 2021 4219-4233*
- Distributed Auxiliary Particle Filtering With Diffusion Strategy for Target Tracking: A Dynamic Event-Triggered Approach. *Song, W., +, TSP 2021 328-340*
- Expectation Propagation-Based Sampling Decoding: Enhancement and Optimization. *Wang, Z., +, TSP 2021 195-209*
- General Cauchy Conjugate Gradient Algorithms Based on Multiple Random Fourier Features. *Zhang, H., +, TSP 2021 1859-1873*
- Maximum Likelihood Time Synchronization for Zero-Padded OFDM. *Roshandel, K.P., +, TSP 2021 641-654*
- Nearly Consistent Finite Particle Estimates in Streaming Importance Sampling. *Koppel, A., +, TSP 2021 6401-6415*
- On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP 2021 4906-4920*
- Optimal Sequential Detection of Signals With Unknown Appearance and Disappearance Points in Time. *Tartakovskiy, A.G., +, TSP 2021 2653-2662*
- Space-Time Adaptive Detection at Low Sample Support. *Robinson, B.D., +, TSP 2021 2939-2954*
- Moving average processes**
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- A Unified Framework for Multistatic Passive Radar Target Detection Under Uncalibrated Receivers. *Zaimbashi, A., TSP 2021 695-708*
- Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*
- Localization With One-Bit Passive Radars in Narrowband Internet-of-Things Using Multivariate Polynomial Optimization. *Sedighi, S., +, TSP 2021 2525-2540*
- MAP Ratio Test Detector for Radar System. *Guruacharya, S., +, TSP 2021 573-588*
- Patient diagnosis**
- Heterogeneity Aware Two-Stage Group Testing. *Attia, M.A., +, TSP 2021 3977-3990*
- Patient monitoring**
- Exploiting Relevance for Online Decision-Making in High-Dimensions. *Turgay, E., +, TSP 2021 1438-1451*
- Pattern classification**
- Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*
- Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. *Robbiano, C., +, TSP 2021 5627-5637*
- Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*
- Learning Two-Layer ReLU Networks Is Nearly as Easy as Learning Linear Classifiers on Separable Data. *Yang, Q., +, TSP 2021 4416-4427*
- Neural Estimators for Conditional Mutual Information Using Nearest Neighbors Sampling. *Molavipour, S., +, TSP 2021 766-780*
- The Wasserstein-Fourier Distance for Stationary Time Series. *Cazelles, E., +, TSP 2021 709-721*
- Pattern clustering**
- Clustering by Orthogonal NMF Model and Non-Convex Penalty Optimization. *Wang, S., +, TSP 2021 5273-5288*
- Differentiable Bi-Sparse Multi-View Co-Clustering. *Du, S., +, TSP 2021 4623-4636*
- Heterogeneous Multi-Sensor Fusion With Random Finite Set Multi-Object Densities. *Yi, W., +, TSP 2021 3399-3414*
- Mixed Membership Graph Clustering via Systematic Edge Query. *Ibrahim, S., +, TSP 2021 5189-5205*
- Real Elliptically Skewed Distributions and Their Application to Robust Cluster Analysis. *Schroth, C., +, TSP 2021 3947-3962*
- Robust Non-Linear Matrix Factorization for Dictionary Learning, Denoising, and Clustering. *Fan, J., +, TSP 2021 1755-1770*
- Pattern recognition**
- Band-Stop Smoothing Filter Design. *Roonizi, A.K., +, TSP 2021 1797-1810*
- Ordering for Communication-Efficient Quickest Change Detection in a Decomposable Graphical Model. *Chen, Y., +, TSP 2021 4710-4723*
- Peptides**
- Reconstructing Point Sets From Distance Distributions. *Huang, S., +, TSP 2021 1811-1827*
- Performance evaluation**
- Signal Source Distribution Approximation to Speedup Scalar Quantizer Design. *Anavangot, V., +, TSP 2021 6314-6328*
- Periodic structures**
- Synthesis of Linear-Phase FIR Filters With a Complex Exponential Impulse Response. *Zheng, X.X., +, TSP 2021 6101-6115*
- Perturbation theory**
- Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*
- Phase coding**
- Unambiguous Delay-Doppler Recovery From Random Phase Coded Pulses. *Liu, X., +, TSP 2021 4991-5004*
- Phase modulation**
- Generalized Multiplexed Waveform Design Framework for Cost-Optimized MIMO Radar. *Hammes, C., +, TSP 2021 88-102*
- Phase noise**
- Time- and Frequency-Interleaving: Distinctions and Connections. *Song, J., +, TSP 2021 2555-2568*
- Phase shift keying**
- Enhanced Proprietary-Based I/Q Imbalance Compensation in LTE/NR Receivers. *Paireder, T., +, TSP 2021 2569-2584*
- Phase transformations**
- Sparse Activity Detection in Multi-Cell Massive MIMO Exploiting Channel Large-Scale Fading. *Chen, Z., +, TSP 2021 3768-3781*
- Phased array radar**
- Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*
- Phasor measurement**
- Grid-Graph Signal Processing (Grid-GSP): A Graph Signal Processing Framework for the Power Grid. *Ramakrishna, R., +, TSP 2021 2725-2739*
- Piecewise linear techniques**
- Adaptive Sparse Array Beamformer Design by Regularized Complementary Antenna Switching. *Wang, X., +, TSP 2021 2302-2315*
- Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors. *Alexandru, R., +, TSP 2021 5539-5554*
- Pneumodynamics**
- Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions. *Colominas, M.A., +, TSP 2021 5094-5104*
- Poisson distribution**
- An Efficient and Flexible Spike Train Model Via Empirical Bayes. *She, Q., +, TSP 2021 3236-3251*

Polar codes

Polar Coded Diversity on Block Fading Channels Via Polar Spectrum. *Niu, K., +, TSP 2021 4007-4022*

Polar-Coded Spatial Modulation. *Dai, J., +, TSP 2021 2203-2217*

Polynomial approximation

Complexity Blowup in Simulating Analog Linear Time-Invariant Systems on Digital Computers. *Boche, H., +, TSP 2021 5005-5020*

Distributed Nonlinear Polynomial Graph Filter and Its Output Graph Spectrum: Filter Analysis and Design. *Xiao, Z., +, TSP 2021 1725-1739*

Eigenvalue Decomposition of a Parahermitian Matrix: Extraction of Analytic Eigenvalues. *Weiss, S., +, TSP 2021 722-737*

Polynomial matrices

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Minimum-Degree Distributed Graph Filter Design. *Ding, K., +, TSP 2021 1083-1096*

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A Generalized Walsh System and Its Fast Algorithm. *Yuan, X., +, TSP 2021 5222-5233*

Blind Reconstruction of BCH and RS Codes Using Single-Error Correction. *Song, M., +, TSP 2021 5120-5133*

Designing Unimodular Sequences With Optimized Auto/Cross-Correlation Properties via Consensus-ADMM/PDMM Approaches. *Wang, J., +, TSP 2021 2987-2999*

Distributed Learning in Non-Convex Environments— Part II: Polynomial Escape From Saddle-Points. *Vlaski, S., +, TSP 2021 1257-1270*

Distributed Nonlinear Polynomial Graph Filter and Its Output Graph Spectrum: Filter Analysis and Design. *Xiao, Z., +, TSP 2021 1725-1739*

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Importance Gaussian Quadrature. *Elvira, V., +, TSP 2021 474-488*

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Signal Processing Methods to Enhance the Energy Efficiency of In-Memory Computing Architectures. *Sakr, C., +, TSP 2021 6462-6472*

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A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*

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Grid-Graph Signal Processing (Grid-GSP): A Graph Signal Processing Framework for the Power Grid. *Ramakrishna, R., +, TSP 2021 2725-2739*

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A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network. *Zhang, Z., +, TSP 2021 4085-4101*

Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. *You, L., +, TSP 2021 1407-1421*

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Matrix-Monotonic Optimization— Part II: Multi-Variable Optimization. *Xing, C., +, TSP 2021 179-194*

Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. *Peng, Z., +, TSP 2021 837-851*

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Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*

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Application of the Free Energy Principle to Estimation and Control. *vandelaar, T., +, TSP 2021 4234-4244*

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Pricing

PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data. *Li, Q., +, TSP 2021 1140-1153*

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Closed-Form, Provable, and Robust PCA via Leverage Statistics and Innovation Search. *Rahmani, M., +, TSP 2021 3132-3144*

Distributed Algorithms for Array Signal Processing. *Chen, P., +, TSP 2021 4607-4622*

Fair Principal Component Analysis and Filter Design. *Zalcburg, G., +, TSP 2021 4835-4842*

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The Wasserstein-Fourier Distance for Stationary Time Series. *Cazelles, E., +, TSP 2021 709-721*

Printing

Signal Processing Methods to Enhance the Energy Efficiency of In-Memory Computing Architectures. *Sakr, C., +, TSP 2021 6462-6472*

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A Linear Algorithm for Multi-Target Tracking in the Context of Possibility Theory. *Houssineau, J., TSP 2021 2740-2751*

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- MAP Ratio Test Detector for Radar System.** *Guruacharya, S., +, TSP 2021 573-588*
- Maximum Likelihood Time Synchronization for Zero-Padded OFDM.** *Roshandeh, K.P., +, TSP 2021 641-654*
- Minimax Robust Detection: Classic Results and Recent Advances.** *Faus, M., +, TSP 2021 2252-2283*
- On Accurate Source Enumeration: A New Bayesian Information Criterion.** *Ke, X., +, TSP 2021 1012-1027*
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- Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturation.** *Song, W., +, TSP 2021 15-27*
- Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration.** *Liu, J., +, TSP 2021 4544-4555*
- PremiUm-CNN: Propagating Uncertainty Towards Robust Convolutional Neural Networks.** *Dera, D., +, TSP 2021 4669-4684*
- PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data.** *Li, Q., +, TSP 2021 1140-1153*
- Probability of Resolution of Partially Relaxed Deterministic Maximum Likelihood: An Asymptotic Approach.** *Schenck, D., +, TSP 2021 852-866*
- Quantization Games on Social Networks and Language Evolution.** *Mani, A., +, TSP 2021 3922-3934*
- Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems.** *Krishnamurthy, V., TSP 2021 1054-1069*
- Recovering Joint Probability of Discrete Random Variables From Pairwise Marginals.** *Ibrahim, S., +, TSP 2021 4116-4131*
- Robust Spectrum Sensing Via Probability Measure Transform.** *Sorek, Y., +, TSP 2021 4023-4038*
- Safe Linear Thompson Sampling With Side Information.** *Moradipari, A., +, TSP 2021 3755-3767*
- Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming.** *He, X., +, TSP 2021 682-694*
- Signal Source Distribution Approximation to Speedup Scalar Quantizer Design.** *Anavangot, V., +, TSP 2021 6314-6328*
- Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties.** *Bavevani, A., +, TSP 2021 2779-2794*
- Space-Time Adaptive Detection at Low Sample Support.** *Robinson, B.D., +, TSP 2021 2939-2954*
- Support Recovery for Sparse Multidimensional Phase Retrieval.** *Novikov, A., +, TSP 2021 4403-4415*
- The Wasserstein-Fourier Distance for Stationary Time Series.** *Cazelles, E., +, TSP 2021 709-721*
- Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection.** *Chen, Y., +, TSP 2021 4685-4698*
- Probability density function**
- Mismatched Data Detection in Massive MU-MIMO.** *Jeon, C., +, TSP 2021 6071-6082*
- Multi-Sensor Filtering Fusion With Parametric Uncertainties and Measurement Censoring: Monotonicity and Boundedness.** *Geng, H., +, TSP 2021 5875-5890*
- Programming**
- A Fast Algorithm for Fractional QCQP and Applications to Secure Beamforming in Cognitive Nonorthogonal Multiple Access Networks.** *Luo, H., +, TSP 2021 6237-6250*
- Corrections to “Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming”.** *He, X., +, TSP 2021 1664*
- Robust Energy-Efficient Resource Management, SIC Ordering, and Beamforming Design for MC MISO-NOMA Enabled 6G.** *Zakeri, A., +, TSP 2021 2481-2498*
- Propagation delay**
- Analysis of Propagation Delay Effects on Bearings-Only Fusion of Heterogeneous Sensors.** *Arulampalam, S., +, TSP 2021 6488-6503*

Protocols

- A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation.** *Imtiaz, H., +, TSP 2021 6355-6370*
- Distributed Auxiliary Particle Filtering With Diffusion Strategy for Target Tracking: A Dynamic Event-Triggered Approach.** *Song, W., +, TSP 2021 328-340*
- Multi-Player Multi-Armed Bandits With Collision-Dependent Reward Distributions.** *Shi, C., +, TSP 2021 4385-4402*

Psychology

- Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems.** *Krishnamurthy, V., TSP 2021 1054-1069*

Q**Quadratic programming**

- Asymptotically Optimal Sampling Policy for Quickest Change Detection With Observation-Switching Cost.** *Lau, T.S., +, TSP 2021 1332-1346*
- Convergence Properties of Message-Passing Algorithm for Distributed Convex Optimisation With Scaled Diagonal Dominance.** *Zhang, Z., +, TSP 2021 3868-3877*
- Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems.** *Wang, Z., +, TSP 2021 4486-4501*
- Finite-Alphabet Symbol-Level Multiuser Precoding for Massive MU-MIMO Downlink.** *Haqiqatnejad, A., +, TSP 2021 5595-5610*
- Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network.** *Cheng, X., +, TSP 2021 5448-5462*
- Linearized ADMM Converges to Second-Order Stationary Points for Non-Convex Problems.** *Lu, S., +, TSP 2021 4859-4874*

Quadrature amplitude modulation

- Channel Estimation and Pilot Symbol Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Systems.** *Chen, D., +, TSP 2021 4595-4606*
- Enhanced Propriety-Based I/Q Imbalance Compensation in LTE/NR Receivers.** *Paireder, T., +, TSP 2021 2569-2584*

Quantization (signal)

- BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization.** *Xi, F., +, TSP 2021 6267-6282*
- Binary MIMO Detection via Homotopy Optimization and Its Deep Adaptation.** *Shao, M., +, TSP 2021 781-796*
- Distributed Inference With Sparse and Quantized Communication.** *Mitra, A., +, TSP 2021 3906-3921*
- Frequency Estimation for Zero-Padded Signal Based on the Amplitude Ratio of Two DFT Samples.** *Zhang, Y., +, TSP 2021 6504-6514*
- LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers.** *Khobahi, S., +, TSP 2021 5651-5664*
- Novel Codebook Design for Channel State Information Quantization in MIMO Rician Fading Channels With Limited Feedback.** *Kang, J., +, TSP 2021 2858-2872*
- On Unlimited Sampling and Reconstruction.** *Bhandari, A., +, TSP 2021 3827-3839*

- Quantization Games on Social Networks and Language Evolution.** *Mani, A., +, TSP 2021 3922-3934*

- Reconfigurable Intelligent Surface Aided Constant-Envelope Wireless Power Transfer.** *Yang, H., +, TSP 2021 1347-1361*

- Resource Allocation and Dithering of Bayesian Parameter Estimation Using Mixed-Resolution Data.** *Berman, I., +, TSP 2021 6148-6164*

- Serial Quantization for Sparse Time Sequences.** *Cohen, A., +, TSP 2021 3299-3314*

- Signal Source Distribution Approximation to Speedup Scalar Quantizer Design.** *Anavangot, V., +, TSP 2021 6314-6328*

- Task-Based Analog-to-Digital Converters.** *Neuhaus, P., +, TSP 2021 5403-5418*

Query processing

- Mixed Membership Graph Clustering via Systematic Edge Query.** *Ibrahim, S., +, TSP 2021 5189-5205*

R**Radar**

- Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*
 Frequency Diverse Array Signal Optimization: From Non-Cognitive to Cognitive Radar. *Rubinstein, N., +, TSP 2021 6206-6220*
 Space-Time Coding Technique for Coherent Frequency Diverse Array. *Wang, H., +, TSP 2021 5994-6008*
 Structured Covariance Matrix Estimation With Missing-(Complex) Data for Radar Applications via Expectation-Maximization. *Aubry, A., +, TSP 2021 5920-5934*

Radar antennas

- A Novel Framework for Combining Multiple Radar Waveforms Using Time Compression Overlap-Add. *Youssef, A., +, TSP 2021 4371-4384*
 Erratum to “Massive MIMO radar for target detection”. *Fortunati, S., +, TSP 2021 3235*
 Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*
 Structured Covariance Matrix Estimation With Missing-(Complex) Data for Radar Applications via Expectation-Maximization. *Aubry, A., +, TSP 2021 5920-5934*
 Target Localization Geometry Gain in Distributed MIMO Radar. *Sadeghi, M., +, TSP 2021 1642-1652*
 Waveform Design for Collocated MIMO Radar With High-Mix-Low-Resolution ADCs. *Cheng, Z., +, TSP 2021 28-41*

Radar clutter

- A Novel Framework for Combining Multiple Radar Waveforms Using Time Compression Overlap-Add. *Youssef, A., +, TSP 2021 4371-4384*
 Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. *Rong, Y., +, TSP 2021 1492-1506*
 Co-Located MIMO Radar Target Detection in Cluttered and Noisy Environment Based on 2D Block Sparse Recovery. *Lu, X., +, TSP 2021 3431-3445*
 Learning Strategies for Radar Clutter Classification. *Addabbo, P., +, TSP 2021 1070-1082*
 Receiver Design With Reduced DOF in Frequency Domain for Target Detection Under Gaussian Clutter. *Li, Y., +, TSP 2021 3315-3324*
 Space-Time Adaptive Detection at Low Sample Support. *Robinson, B.D., +, TSP 2021 2939-2954*
 Target Detection Within Nonhomogeneous Clutter Via Total Bregman Divergence-Based Matrix Information Geometry Detectors. *Hua, X., +, TSP 2021 4326-4340*

Radar computing

- ADMM-Net for Communication Interference Removal in Stepped-Frequency Radar. *Johnston, J., +, TSP 2021 2818-2832*
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 A Unified Framework for Multistatic Passive Radar Target Detection Under Uncalibrated Receivers. *Zaimbashi, A., TSP 2021 695-708*
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 Adaptive Radar Detection in the Presence of Multiple Alternative Hypotheses Using Kullback-Leibler Information Criterion-Part II: Applications. *Addabbo, P., +, TSP 2021 3742-3754*
 Adaptive Radar Detection Without Secondary Data for Uncooperative Spectrum Sharing Scenarios. *Coluccia, A., +, TSP 2021 3206-3219*

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 Enhanced Time-Frequency Representation and Mode Decomposition. *Zhang, H., +, TSP 2021 4296-4311*

Impact of Covariance Mismatched Training Samples on Constant False Alarm Rate Detectors. *Besson, O., TSP 2021 755-765*
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Minimax Robust Detection: Classic Results and Recent Advances. *Faus, M., +, TSP 2021 2252-2283*

Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*
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Receiver Design With Reduced DOF in Frequency Domain for Target Detection Under Gaussian Clutter. *Li, Y., +, TSP 2021 3315-3324*

Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*

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Radar imaging

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Adaptive Radar Detection and Classification Algorithms for Multiple Coherent Signals. *Han, S., +, TSP 2021 560-572*

Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. *Liu, J., +, TSP 2021 4544-4555*

Radar receivers

A Unified Framework for Multistatic Passive Radar Target Detection Under Uncalibrated Receivers. *Zaimbashi, A., TSP 2021 695-708*

Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP 2021 3541-3554*

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Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. *Ni, Z., +, TSP 2021 1287-1300*

Radar resolution

ADMM-Net for Communication Interference Removal in Stepped-Frequency Radar. *Johnston, J., +, TSP 2021 2818-2832*

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Radio receivers

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RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection. *Pratik, K., +, TSP 2021 459-473*

- Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*
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- Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. *You, L., +, TSP 2021 1407-1421*
- Reconfigurable Intelligent Surface Aided Constant-Envelope Wireless Power Transfer. *Yang, H., +, TSP 2021 1347-1361*
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- Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*
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- Multi-Player Multi-Armed Bandits With Collision-Dependent Reward Distributions. *Shi, C., +, TSP 2021 4385-4402*
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- Unambiguous Delay-Doppler Recovery From Random Phase Coded Pulses. *Liu, X., +, TSP 2021 4991-5004*
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- Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties. *Baxevani, A., +, TSP 2021 2779-2794*
- Statistical Inference for the Expected Utility Portfolio in High Dimensions. *Bohdar, T., +, TSP 2021 1-14*
- Random sequences**
- Bilinear Channel Estimation for MIMO OFDM: Lower Bounds and Training Sequence Optimization. *Elnakeeb, A., +, TSP 2021 1317-1331*
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- Information-Theoretic Feature Selection via Tensor Decomposition and Submodularity. *Amiridi, M., +, TSP 2021 6195-6205*
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- Randomized algorithms**
- Projection-Based QLP Algorithm for Efficiently Computing Low-Rank Approximation of Matrices. *Kaloorazi, M.F., +, TSP 2021 2218-2232*
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- Reactive power**
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- Receivers**
- BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. *Xi, F., +, TSP 2021 6267-6282*
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- Receiving antennas**
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- Redundancy**
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 - Supervised Learning and Canonical Decomposition of Multivariate Functions. *Kargas, N., +, TSP 2021 1097-1107*
- Reinforcement learning**
- Multi-Task Reinforcement Learning in Reproducing Kernel Hilbert Spaces via Cross-Learning. *Cervino, J., +, TSP 2021 5947-5962*
- Relaxation theory**
- Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*
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 - Multi-Layer Bilinear Generalized Approximate Message Passing. *Zou, Q., +, TSP 2021 4529-4543*
- Resource allocation**
- Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. *Jiang, M., +, TSP 2021 986-997*
 - Enhanced Propriety-Based I/Q Imbalance Compensation in LTE/NR Receivers. *Paireder, T., +, TSP 2021 2569-2584*
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 - Radar and Communication Spectral Coexistence in Range-Dependent Interference. *Qian, J., +, TSP 2021 5891-5906*
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 - Target Capacity Based Resource Optimization for Multiple Target Tracking in Radar Network. *Yan, J., +, TSP 2021 2410-2421*
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- A Fast Algorithm for Fractional QCQP and Applications to Secure Beamforming in Cognitive Nonorthogonal Multiple Access Networks. *Luo, H., +, TSP 2021 6237-6250*
 - Resource Allocation and Dithering of Bayesian Parameter Estimation Using Mixed-Resolution Data. *Berman, I., +, TSP 2021 6148-6164*
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- Retail data processing**
- PRIMA++: A Probabilistic Framework for User Choice Modelling With Small Data. *Li, Q., +, TSP 2021 1140-1153*
- Reverberation**
- Allpass Feedback Delay Networks. *Schlecht, S.J., TSP 2021 1028-1038*
 - Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*
- Rician channels**
- Novel Codebook Design for Channel State Information Quantization in MIMO Rician Fading Channels With Limited Feedback. *Kang, J., +, TSP 2021 2858-2872*
- Road vehicle radar**
- Spatial- and Range- ISLR Trade-Off in MIMO Radar Via Waveform Correlation Optimization. *Raei, E., +, TSP 2021 3283-3298*
- Robust control**
- Robust Non-Linear Matrix Factorization for Dictionary Learning, Denoising, and Clustering. *Fan, J., +, TSP 2021 1755-1770*
 - Robust State Estimation for Linear Systems Under Distributional Uncertainty. *Wang, S., +, TSP 2021 5963-5978*
- Robustness**
- Adaptive Filters With Robust Augmented Space Linear Model: A Weighted-k-NN Method. *Zhang, Q., +, TSP 2021 6448-6461*
- RSSI**
- Adaptive IQ Mismatch Compensation in Time-Domain Using Frequency-Domain Observations. *Nayebi, E., +, TSP 2021 655-668*

S**Sampling methods**

- Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors. *Alexandru, R., +, TSP 2021 5539-5554*

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- Satellite navigation**
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- Scheduling**
- Optimal Stealthy Linear-Attack Schedules on Remote State Estimation. *Zhang, J., +, TSP 2021 2807-2817*
- Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. *Xu, Y., +, TSP 2021 401-416*
- Sea measurements**
- Scalable Detection and Tracking of Geometric Extended Objects. *Meyer, F., +, TSP 2021 6283-6298*
- Search problems**
- A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*
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- Reconstructing Point Sets From Distance Distributions. *Huang, S., +, TSP 2021 1811-1827*
- Search radar**
- Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP 2021 3541-3554*
- Security of data**
- Byzantine-Resilient Decentralized Policy Evaluation With Linear Function Approximation. *Wu, Z., +, TSP 2021 3839-3853*
- Optimal Feature Manipulation Attacks Against Linear Regression. *Li, F., +, TSP 2021 5580-5594*
- Optimal Stealthy Linear-Attack Schedules on Remote State Estimation. *Zhang, J., +, TSP 2021 2807-2817*
- Sensitivity analysis**
- Statistical Inference for the Expected Utility Portfolio in High Dimensions. *Bodnar, T., +, TSP 2021 1-14*
- Sensor arrays**
- Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting. *Weiss, A., TSP 2021 531-545*
- Comments on “Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator”. *Friedlander, B., TSP 2021 6399-6400*
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- Analysis of Propagation Delay Effects on Bearings-Only Fusion of Heterogeneous Sensors. *Arulampalam, S., +, TSP 2021 6488-6503*
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- Multi-Sensor Track-to-Track Association and Spatial Registration Algorithm Under Incomplete Measurements. *Wang, J., +, TSP 2021 3337-3350*
- Ordering for Communication-Efficient Quickest Change Detection in a Decomposable Graphical Model. *Chen, Y., +, TSP 2021 4710-4723*
- Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*
- Sensor placement**
- Efficient Sensor Placement for Signal Reconstruction Based on Recursive Methods. *Li, B., +, TSP 2021 1885-1898*
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- Robust Sensor Placement for Signal Extraction. *Ghayem, F., +, TSP 2021 4513-4528*
- Sensors**
- A Two Stage Generalized Block Orthogonal Matching Pursuit (TSGBOMP) Algorithm. *Mukhopadhyay, S., +, TSP 2021 5846-5858*
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- Sequential analysis**
- Reconstructing Point Sets From Distance Distributions. *Huang, S., +, TSP 2021 1811-1827*
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- Sequential estimation**
- Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *Cheng, X., +, TSP 2021 5448-5462*
- Servers**
- Federated Learning With Spiking Neural Networks. *Venkatesha, Y., +, TSP 2021 6183-6194*
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- Set theory**
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- Signal classification**
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- Adaptive Savitzky-Golay Filtering in Non-Gaussian Noise. *John, A., +, TSP 2021 5021-5036*
- Block Coordinate Descent Algorithms for Auxiliary-Function-Based Independent Vector Extraction. *Ikeshita, R., +, TSP 2021 3252-3267*
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- Gradual Federated Learning With Simulated Annealing. *Nguyen, L.T., +, TSP 2021 6299-6313*
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- Signal reconstruction**
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 - Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *Joseph, G., +, TSP 2021 905-916*
 - On Unlimited Sampling and Reconstruction. *Bhandari, A., +, TSP 2021 3827-3839*
 - Optimal Sampling of a Bandlimited Noisy Multiple Output Channel. *Solodky, G., +, TSP 2021 2026-2041*
 - Performance Analysis of Joint Range-Velocity Estimator With 2D-MUSIC in OFDM Radar. *Xie, R., +, TSP 2021 4787-4800*
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- Serial Quantization for Sparse Time Sequences. *Cohen, A., +, TSP 2021 3299-3314*
- Sparse Phase Retrieval Via PhaseLiftOff. *Xia, Y., +, TSP 2021 2129-2143*
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 - Ridge-Aware Weighted Sparse Time-Frequency Representation. *Tong, C., +, TSP 2021 136-149*
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 - Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*
- Signal resolution**
- Adaptive Superresolution in Deconvolution of Sparse Peaks. *Koulouri, A., +, TSP 2021 165-178*
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 - Frequency Estimation for Zero-Padded Signal Based on the Amplitude Ratio of Two DFT Samples. *Zhang, Y., +, TSP 2021 6504-6514*
 - Generalized Non-Redundant Sparse Array Designs. *Ahmed, A., +, TSP 2021 4580-4594*
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 - Mathematical Theory of Atomic Norm Denoising in Blind Two-Dimensional Super-Resolution. *Suliman, M.A., +, TSP 2021 1681-1696*
 - Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *Joseph, G., +, TSP 2021 905-916*
 - Multiple Importance Sampling for Symbol Error Rate Estimation of Maximum-Likelihood Detectors in MIMO Channels. *Elvira, V., +, TSP 2021 1200-1212*
 - Non-Bayesian Estimation Framework for Signal Recovery on Graphs. *Routenberg, T., TSP 2021 1169-1184*

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- On Unlimited Sampling and Reconstruction. *Bhandari, A., +, TSP 2021 3827-3839*
- Optimal Restricted Isometry Condition of Normalized Sampling Matrices for Exact Sparse Recovery With Orthogonal Least Squares. *Kim, J., +, TSP 2021 1521-1536*
- Optimal Sampling of a Bandlimited Noisy Multiple Output Channel. *Solodky, G., +, TSP 2021 2026-2041*
- Phase Retrieval for Partially Coherent Observations. *Kornprobst, J., +, TSP 2021 1394-1406*
- Serial Quantization for Sparse Time Sequences. *Cohen, A., +, TSP 2021 3299-3314*
- Sparse Phase Retrieval Via PhaseLiftOff. *Xia, Y., +, TSP 2021 2129-2143*
- Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*
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- Signal to noise ratio**
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- Simulated annealing**
- Gradual Federated Learning With Simulated Annealing. *Nguyen, L.T., +, TSP 2021 6299-6313*
- Single-input single-output systems (control)**
- Allpass Feedback Delay Networks. *Schlecht, S.J., TSP 2021 1028-1038*
- Singular value decomposition**
- A Novel Regularized Model for Third-Order Tensor Completion. *Yang, Y., +, TSP 2021 3473-3483*
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- Skin**
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- Diffusion SLAM: Localizing Diffusion Sources From Samples Taken by Location-Unaware Mobile Sensors. *Alexandru, R., +, TSP 2021 5539-5554*
- Smoothing methods**
- Approximate Inference and Learning of State Space Models With Laplace Noise. *Neri, J., +, TSP 2021 3176-3189*
- Band-Stop Smoothing Filter Design. *Roonizi, A.K., +, TSP 2021 1797-1810*
- Discrete Timeq-Lag Maximum Likelihood FIR Smoothing and Iterative Recursive Algorithm. *Zhao, S., +, TSP 2021 6342-6354*
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- Sociology**
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- Source separation**
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- Construction of Golay Complementary Matrices and Its Applications to MIMO Omnidirectional Transmission. *Li, F., +, TSP 2021 2100-2113*
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- Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*
- Sparse matrices**
- Corrections to “Sparse-Group Lasso for Graph Learning From Multi-Attribute Data”. *Tugnait, J., TSP 2021 4758*
- Enhanced DOA Estimation Exploiting Multi-Frequency Sparse Array. *Zhang, S., +, TSP 2021 5935-5946*
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- Spatiotemporal phenomena**
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- Speaker recognition**
- Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*

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A Multi-Taper S-Transform Method for Spectral Estimation of Stationary Processes. *Huang, Z., +, TSP 2021 1452-1467*

Accelerated Structured Alternating Projections for Robust Spectrally Sparse Signal Recovery. *Cai, H., +, TSP 2021 809-821*

Bayesian Reconstruction of Fourier Pairs. *Tobar, F., +, TSP 2021 73-87*

Discrete Signal Processing on Meet/Join Lattices. *Puschel, M., +, TSP 2021 3571-3584*

On the Detection of Low-Rank Signal in the Presence of Spatially Uncorrelated Noise: A Frequency Domain Approach. *Rosuel, A., +, TSP 2021 4458-4473*

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Spatial-Slepian Transform on the Sphere. *Aslam, A., +, TSP 2021 4474-4485*

Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*

Speech enhancement

Mixture of Inference Networks for VAE-Based Audio-Visual Speech Enhancement. *Sadeghi, M., +, TSP 2021 1899-1909*

Speech processing

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Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications. *Pascual Campo, P., +, TSP 2021 370-384*

Standards

Corrections to “Sparse-Group Lasso for Graph Learning From Multi-Attribute Data”. *Tugnait, J., TSP 2021 4758*

State estimation

Gaussian Variational State Estimation for Nonlinear State-Space Models. *Courts, J., +, TSP 2021 5979-5993*

Joint Nonlinear Sparse Error Correction for Robust State Estimation. *Kibriya, S., +, TSP 2021 5859-5874*

Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error. *Afshari, M., +, TSP 2021 5206-5221*

Optimal Stealthy Linear-Attack Schedules on Remote State Estimation. *Zhang, J., +, TSP 2021 2807-2817*

Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturation. *Song, W., +, TSP 2021 15-27*

Protocol-Based Tobit Kalman Filter Under Integral Measurements and Probabilistic Sensor Failures. *Geng, H., +, TSP 2021 546-559*

Resource Allocation for Multitarget Tracking and Data Reduction in Radar Network With Sensor Location Uncertainty. *Sun, H., +, TSP 2021 4843-4858*

Robust State Estimation for Linear Systems Under Distributional Uncertainty. *Wang, S., +, TSP 2021 5963-5978*

Robust Variational-Based Kalman Filter for Outlier Rejection With Correlated Measurements. *Li, H., +, TSP 2021 357-369*

State-space methods

Approximate Inference and Learning of State Space Models With Laplace Noise. *Neri, J., +, TSP 2021 3176-3189*

Dynamic System Fault Diagnosis Under Sparseness Assumption. *Zhang, Q., TSP 2021 2499-2508*

Online Joint State Inference and Learning of Partially Unknown State-Space Models. *Kullberg, A., +, TSP 2021 4149-4161*

Statistical analysis

An Efficient and Flexible Spike Train Model Via Empirical Bayes. *She, Q., +, TSP 2021 3236-3251*

Bias-Compensated Sign Algorithm for Noisy Inputs and Its Step-Size Optimization. *Ni, J., +, TSP 2021 2330-2342*

Cyclostationary Processes With Evolving Periods and Amplitudes. *Das, S., +, TSP 2021 1579-1590*

Enhanced Propriety-Based I/Q Imbalance Compensation in LTE/NR Receivers. *Paireder, T., +, TSP 2021 2569-2584*

Large-Dimensional Characterization of Robust Linear Discriminant Analysis. *Auguin, N., +, TSP 2021 2625-2638*

Network Topology Inference From Heterogeneous Incomplete Graph Signals. *Yang, X., +, TSP 2021 314-327*

On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. *Komaty, A., +, TSP 2021 2676-2688*

On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP 2021 4906-4920*

On the Detection of Low-Rank Signal in the Presence of Spatially Uncorrelated Noise: A Frequency Domain Approach. *Rosuel, A., +, TSP 2021 4458-4473*

Quickest Change Detection of Time Inconsistent Anticipatory Agents. Human-Sensor and Cyber-Physical Systems. *Krishnamurthy, V., TSP 2021 1054-1069*

Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*

Space-Time Adaptive Detection at Low Sample Support. *Robinson, B.D., +, TSP 2021 2939-2954*

Statistical Inference for the Expected Utility Portfolio in High Dimensions. *Bodnar, T., +, TSP 2021 1-14*

Stochastic Graph Neural Networks. *Gao, Z., +, TSP 2021 4428-4443*

Third-Order Statistics Reconstruction From Compressive Measurements. *Wang, Y., +, TSP 2021 2888-2901*

Statistical distributions

Approximate Inference and Learning of State Space Models With Laplace Noise. *Neri, J., +, TSP 2021 3176-3189*

Impact of Covariance Mismatched Training Samples on Constant False Alarm Rate Detectors. *Besson, O., TSP 2021 755-765*

Minimax Robust Detection: Classic Results and Recent Advances. *Faus, M., +, TSP 2021 2252-2283*

Ordering for Communication-Efficient Quickest Change Detection in a Decomposable Graphical Model. *Chen, Y., +, TSP 2021 4710-4723*

Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturation. *Song, W., +, TSP 2021 15-27*

Performance Analysis of Joint Range-Velocity Estimator With 2D-MUSIC in OFDM Radar. *Xie, R., +, TSP 2021 4787-4800*

Quantization Games on Social Networks and Language Evolution. *Mani, A., +, TSP 2021 3922-3934*

Robust M-Estimation Based Bayesian Cluster Enumeration for Real Elliptically Symmetric Distributions. *Schroth, C., +, TSP 2021 3525-3540*

Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties. *Baxevani, A., +, TSP 2021 2779-2794*

Statistical mechanics

Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties. *Baxevani, A., +, TSP 2021 2779-2794*

Statistical testing

Minimax Robust Detection: Classic Results and Recent Advances. *Faus, M., +, TSP 2021 2252-2283*

Robust Two-Sample Location Testing via Probability Measure Transform. *Eder, Y., +, TSP 2021 4724-4739*

Statistical Inference for the Expected Utility Portfolio in High Dimensions. *Bodnar, T., +, TSP 2021 1-14*

Stochastic processes

A Stochastic Model for Characterizing Fluctuations in Chemical Sensing. *Grover, A., +, TSP 2021 1938-1951*

Communication-Adaptive Stochastic Gradient Methods for Distributed Learning. *Chen, T., +, TSP 2021 4637-4651*

Community Detection and Matrix Completion With Social and Item Similarity Graphs. *Zhang, Q., +, TSP 2021 917-931*

Compressed Gradient Methods With Hessian-Aided Error Compensation. *Khirirat, S., +, TSP 2021 998-1011*

Conservative Stochastic Optimization With Expectation Constraints. *Akhtar, Z., +, TSP 2021 3190-3205*

Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*

Decision Making in Star Networks With Incorrect Beliefs. *Seo, D., +, TSP 2021 6221-6236*

- Distributed Design of Robust Kalman Filters Over Corrupted Channels. *He, X., +, TSP 2021 2422-2434*
- Distributed Learning in Non-Convex Environments— Part II: Polynomial Escape From Saddle-Points. *Vlaski, S., +, TSP 2021 1257-1270*
- Distributed Stochastic Consensus Optimization With Momentum for Non-convex Nonsmooth Problems. *Wang, Z., +, TSP 2021 4486-4501*
- Linear MIMO Precoders With Finite Alphabet Inputs via Stochastic Optimization and Deep Neural Networks (DNNs). *Jing, S., +, TSP 2021 4269-4281*
- Memory-Constrained No-Regret Learning in Adversarial Multi-Armed Bandits. *Xu, X., +, TSP 2021 2371-2382*
- Multi-Agent Estimation and Filtering for Minimizing Team Mean-Squared Error. *Afshari, M., +, TSP 2021 5206-5221*
- On the Convergence Behavior of Partitioned-Block Frequency-Domain Adaptive Filters. *Yang, F., +, TSP 2021 4906-4920*
- Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. *Aubry, A., +, TSP 2021 270-283*
- Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. *Zhao, M., +, TSP 2021 1301-1316*
- Over-the-Air Federated Learning From Heterogeneous Data. *Sery, T., +, TSP 2021 3796-3811*
- Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturations. *Song, W., +, TSP 2021 15-27*
- Practical Precoding via Asynchronous Stochastic Successive Convex Approximation. *Idrees, B.M., +, TSP 2021 4177-4191*
- Regularized Local Basis Function Approach to Identification of Nonstationary Processes. *Gancza, A., +, TSP 2021 1665-1680*
- Safe Linear Thompson Sampling With Side Information. *Moradipari, A., +, TSP 2021 3755-3767*
- Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties. *Baxevani, A., +, TSP 2021 2779-2794*
- Solving Stochastic Compositional Optimization is Nearly as Easy as Solving Stochastic Optimization. *Chen, T., +, TSP 2021 4937-4948*
- Stochastic Graph Neural Networks. *Gao, Z., +, TSP 2021 4428-4443*
- Supervised Learning and Canonical Decomposition of Multivariate Functions. *Kargas, N., +, TSP 2021 1097-1107*
- Zeroth-Order Diffusion Adaptive Filter Over Networks. *Zhang, M., +, TSP 2021 589-602*
- Stochastic programming**
- Distributed Learning in Non-Convex Environments—Part I: Agreement at a Linear Rate. *Vlaski, S., +, TSP 2021 1242-1256*
- Nonparametric Compositional Stochastic Optimization for Risk-Sensitive Kernel Learning. *Bedi, A.S., +, TSP 2021 428-442*
- Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks. *Cadena, J., +, TSP 2021 1713-1724*
- Two-Stage Stochastic Optimization Via Primal-Dual Decomposition and Deep Unrolling. *Liu, A., +, TSP 2021 3000-3015*
- Stochastic systems**
- Application of the Free Energy Principle to Estimation and Control. *vandelaar, T., +, TSP 2021 4234-4244*
- Cooperative Field Prediction and Smoothing via Covariance Intersection. *Li, Z., +, TSP 2021 797-808*
- Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturations. *Song, W., +, TSP 2021 15-27*
- Superresolution**
- Bilateral Spectrum Weighted Total Variation for Noisy-Image Super-Resolution and Image Denoising. *Sun, K., +, TSP 2021 6329-6341*
- Supervised learning**
- Dynamic Online Learning via Frank-Wolfe Algorithm. *Kalhan, D.S., +, TSP 2021 932-947*
- Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
- Supervised Learning and Canonical Decomposition of Multivariate Functions. *Kargas, N., +, TSP 2021 1097-1107*
- SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. *Nguyen, L.V., +, TSP 2021 2086-2099*

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Symmetric matrices

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Synchronization

- Accelerating Optimal Experimental Design for Robust Synchronization of Uncertain Kuramoto Oscillator Model Using Machine Learning. *Woo, H., +, TSP 2021 6473-6487*

- Maximum Likelihood Time Synchronization for Zero-Padded OFDM. *Roshandeh, K.P., +, TSP 2021 641-654*

- Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*

- Target Localization and Clock Refinement in Distributed MIMO Radar Systems With Time Synchronization Errors. *Song, H., +, TSP 2021 3088-3103*

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- Multi-Sensor Spatial Association Using Joint Range-Doppler Features. *Gupta, A., +, TSP 2021 5756-5769*

T**Table lookup**

- Cascaded Spline-Based Models for Complex Nonlinear Systems: Methods and Applications. *Pascual Campo, P., +, TSP 2021 370-384*

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- A Poisson Multi-Bernoulli Mixture Filter for Coexisting Point and Extended Targets. *Garcia-Fernandez, A., +, TSP 2021 2600-2610*

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- Analysis of Propagation Delay Effects on Bearings-Only Fusion of Heterogeneous Sensors. *Arulampalam, S., +, TSP 2021 6488-6503*

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- Multi-Sensor Track-to-Track Association and Spatial Registration Algorithm Under Incomplete Measurements. *Wang, J., +, TSP 2021 3337-3350*

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- Tracking Cells and Their Lineages Via Labeled Random Finite Sets. *Nguyen, T.T.D., +, TSP 2021 5611-5626*
- Task analysis**
- BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. *Xi, F., +, TSP 2021 6267-6282*
- Information-Theoretic Feature Selection via Tensor Decomposition and Submodularity. *Amiridi, M., +, TSP 2021 6195-6205*
- Multi-Task Reinforcement Learning in Reproducing Kernel Hilbert Spaces via Cross-Learning. *Cervino, J., +, TSP 2021 5947-5962*
- Privacy-Preserving Distributed Projection LMS for Linear Multitask Networks. *Wang, C., +, TSP 2021 6530-6545*
- Telecommunication channels**
- Distributed Design of Robust Kalman Filters Over Corrupted Channels. *He, X., +, TSP 2021 2422-2434*
- Telecommunication computing**
- A New Method of Integer Parameter Estimation in Linear Models With Applications to GNSS High Precision Positioning. *Wang, Z., +, TSP 2021 4567-4579*
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- Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. *Jiang, M., +, TSP 2021 986-997*
- Learning Strategies for Radar Clutter Classification. *Addabbo, P., +, TSP 2021 1070-1082*
- Learning to Demodulate From Few Pilots via Offline and Online Meta-Learning. *Park, S., +, TSP 2021 226-239*
- Linear MIMO Precoders With Finite Alphabet Inputs via Stochastic Optimization and Deep Neural Networks (DNNs). *Jing, S., +, TSP 2021 4269-4281*
- mmWave Channel Estimation via Compressive Covariance Estimation: Role of Sparsity and Intra-Vector Correlation. *Prasanna, D., +, TSP 2021 2356-2370*
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- RE-MIMO: Recurrent and Permutation Equivariant Neural MIMO Detection. *Pratik, K., +, TSP 2021 459-473*
- Stochastic Gradient-Based Distributed Bayesian Estimation in Cooperative Sensor Networks. *Cadena, J., +, TSP 2021 1713-1724*
- SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. *Nguyen, L.V., +, TSP 2021 2086-2099*
- Telecommunication network planning**
- Robust Sensor Placement for Signal Extraction. *Ghayem, F., +, TSP 2021 4513-4528*
- Telecommunication network reliability**
- Multi-Player Multi-Armed Bandits With Collision-Dependent Reward Distributions. *Shi, C., +, TSP 2021 4385-4402*
- Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. *Zhao, M., +, TSP 2021 1301-1316*
- Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming. *He, X., +, TSP 2021 682-694*
- Telecommunication network routing**
- Maximum a Posteriori Probability (MAP) Joint Fine Frequency Offset and Channel Estimation for MIMO Systems With Channels of Arbitrary Correlation. *Zhou, M., +, TSP 2021 4357-4370*
- Telecommunication network topology**
- Distributed Adaptive Trace Ratio Optimization in Wireless Sensor Networks. *Musluoglu, C.A., +, TSP 2021 3653-3670*
- Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *Joseph, G., +, TSP 2021 905-916*
- Network Topology Inference From Heterogeneous Incomplete Graph Signals. *Yang, X., +, TSP 2021 314-327*
- Telecommunication power management**
- Comments on “Energy-Efficient Beamforming Design for MU-MISO Mixed RF/VLC Heterogeneous Wireless Networks”. *Pham, T.V., +, TSP 2021 824-825*
- Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. *You, L., +, TSP 2021 1407-1421*
- Energy Efficiency Optimization in Radar-Communication Spectrum Sharing. *Grossi, E., +, TSP 2021 3541-3554*
- Reconfigurable Intelligent Surface Aided Constant-Envelope Wireless Power Transfer. *Yang, H., +, TSP 2021 1347-1361*
- Telecommunication security**
- Eavesdropper and Jammer Selection in Wireless Source Localization Networks. *Ozturk, C., +, TSP 2021 4341-4356*
- Telecommunication signaling**
- Reconfigurable Intelligent Surfaces for Localization: Position and Orientation Error Bounds. *Elzanaty, A., +, TSP 2021 5386-5402*
- Telecommunication switching**
- Distributed Design of Robust Kalman Filters Over Corrupted Channels. *He, X., +, TSP 2021 2422-2434*
- Tensors**
- A Novel Regularized Model for Third-Order Tensor Completion. *Yang, Y., +, TSP 2021 3473-3483*
- Blind Direction-of-Arrival Estimation in Acoustic Vector-Sensor Arrays via Tensor Decomposition and Kullback-Leibler Divergence Covariance Fitting. *Weiss, A., TSP 2021 531-545*
- Epigraphical Relaxation for Minimizing Layered Mixed Norms. *Kyochi, S., +, TSP 2021 2923-2938*
- Information-Theoretic Feature Selection via Tensor Decomposition and Submodularity. *Amiridi, M., +, TSP 2021 6195-6205*
- Recovering Joint Probability of Discrete Random Variables From Pairwise Marginals. *Ibrahim, S., +, TSP 2021 4116-4131*
- Robust Low-Rank Tensor Completion Based on Tensor Ring Rank via ℓ_1 -Norm. *Li, X.P., +, TSP 2021 3685-3698*
- Supervised Learning and Canonical Decomposition of Multivariate Functions. *Kargas, N., +, TSP 2021 1097-1107*
- Tensor RNN With Bayesian Nonparametric Mixture for Radar HRRP Modeling and Target Recognition. *Chen, W., +, TSP 2021 1995-2009*
- Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems. *Du, J., +, TSP 2021 6251-6266*
- Tensor-Based Near-Field Localization Using Massive Antenna Arrays. *Podkurov, I., +, TSP 2021 5830-5845*
- Testing**
- Adaptive Filters With Robust Augmented Space Linear Model: A Weighted-kNN Method. *Zhang, Q., +, TSP 2021 6448-6461*
- Text analysis**
- Deep Learning Enabled Semantic Communication Systems. *Xie, H., +, TSP 2021 2663-2675*
- Thermal noise**
- Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. *Rong, Y., +, TSP 2021 1492-1506*
- Time division multiplexing**
- A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*
- Time measurement**
- Gaussian Variational State Estimation for Nonlinear State-Space Models. *Courts, J., +, TSP 2021 5979-5993*
- Time series**
- A Comparative Study of Gamma Markov Chains for Temporal Non-Negative Matrix Factorization. *Filstroff, L., +, TSP 2021 1614-1626*
- A Multi-Taper S-Transform Method for Spectral Estimation of Stationary Processes. *Huang, Z., +, TSP 2021 1452-1467*
- An Efficient Forecasting Approach to Reduce Boundary Effects in Real-Time Time-Frequency Analysis. *Meynard, A., +, TSP 2021 1653-1663*
- Change Point Detection in Time Series Data Using Autoencoders With a Time-Invariant Representation. *De Ryck, T., +, TSP 2021 3513-3524*
- Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions. *Colominas, M.A., +, TSP 2021 5094-5104*
- Online Topology Identification From Vector Autoregressive Time Series. *Zaman, B., +, TSP 2021 210-225*
- Template Adaptation of 2D Quasi-Periodic Data Using a Soft-Assign Localized Correspondence Matrix. *Karisik, F., +, TSP 2021 826-836*

The Wasserstein-Fourier Distance for Stationary Time Series. *Cazelles, E., +, TSP 2021 709-721*

Time series analysis

Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series. *Sigiridou, E., +, TSP 2021 5638-5650*

Time-domain analysis

Adaptive IQ Mismatch Compensation in Time-Domain Using Frequency-Domain Observations. *Nayebi, E., +, TSP 2021 655-668*

Time Domain Sampling of the Radial Functions in Spherical Harmonics Expansions. *Hahn, N., +, TSP 2021 4502-4512*

Time-frequency analysis

A Multi-Taper S-Transform Method for Spectral Estimation of Stationary Processes. *Huang, Z., +, TSP 2021 1452-1467*

A Novel Ridge Detector for Nonstationary Multicomponent Signals: Development and Application to Robust Mode Retrieval. *Laurent, N., +, TSP 2021 3325-3336*

An Efficient Forecasting Approach to Reduce Boundary Effects in Real-Time Time-Frequency Analysis. *Meynard, A., +, TSP 2021 1653-1663*

Design of an Optimal Piece-Wise Spline Wigner-Ville Distribution for TFD Performance Evaluation and Comparison. *Al-Sa'd, M., +, TSP 2021 3963-3976*

Enhanced Time-Frequency Representation and Mode Decomposition. *Zhang, H., +, TSP 2021 4296-4311*

Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. *Robbiano, C., +, TSP 2021 5627-5637*

Joint Estimation of Velocity, Angle-of-Arrival and Range (JEVAR) Using a Conjugate Pair of Zadoff-Chu Sequences. *Yang, Z., +, TSP 2021 6009-6022*

Octonion Short-Time Fourier Transform for Time-Frequency Representation and Its Applications. *Gao, W., +, TSP 2021 6386-6398*

Ridge-Aware Weighted Sparse Time-Frequency Representation. *Tong, C., +, TSP 2021 136-149*

Signals Featuring Harmonics With Random Frequencies – Spectral, Distributional and Ergodic Properties. *Baxevani, A., +, TSP 2021 2779-2794*

Space-Time Coding Technique for Coherent Frequency Diverse Array. *Wang, H., +, TSP 2021 5994-6008*

Time-Frequency Phase Retrieval for Audio—The Effect of Transform Parameters. *Marafioti, A., +, TSP 2021 3585-3596*

Time-of-arrival estimation

A Joint TOA and DOA Acquisition and Tracking Approach for Positioning With LTE Signals. *Shamaei, K., +, TSP 2021 2689-2705*

Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. *Wang, G., +, TSP 2021 3415-3430*

Eavesdropper and Jammer Selection in Wireless Source Localization Networks. *Ozturk, C., +, TSP 2021 4341-4356*

Exploiting Sparsity of Ranging Biases for NLOS Mitigation. *Jin, D., +, TSP 2021 3782-3795*

Joint TOA and DOA Estimation With CFO Compensation Using Large-Scale Array. *Gong, Z., +, TSP 2021 4204-4218*

Target Localization and Clock Refinement in Distributed MIMO Radar Systems With Time Synchronization Errors. *Song, H., +, TSP 2021 3088-3103*

Time-varying channels

Data Aided MSE-Optimal Time Varying Channel Tracking in Massive MIMO Systems. *Chopra, R., +, TSP 2021 4219-4233*

Maximum a Posteriori Probability (MAP) Joint Fine Frequency Offset and Channel Estimation for MIMO Systems With Channels of Arbitrary Correlation. *Zhou, M., +, TSP 2021 4357-4370*

Subspace-Based Estimation of Rapidly Varying Mobile Channels for OFDM Systems. *Senol, H., +, TSP 2021 385-400*

Time-varying systems

Dynamic System Fault Diagnosis Under Sparseness Assumption. *Zhang, Q., TSP 2021 2499-2508*

Nonuniform Sampling Rate Conversion:An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*

Octonion Short-Time Fourier Transform for Time-Frequency Representation and Its Applications. *Gao, W., +, TSP 2021 6386-6398*

Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturation. *Song, W., +, TSP 2021 15-27*

Protocol-Based Tobit Kalman Filter Under Integral Measurements and Probabilistic Sensor Failures. *Geng, H., +, TSP 2021 546-559*

Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems. *Du, J., +, TSP 2021 6251-6266*

Toeplitz matrices

Gridless DOA Estimation and Root-MUSIC for Non-Uniform Linear Arrays. *Wagner, M., +, TSP 2021 2144-2157*

Group Invariant Dictionary Learning. *Soh, Y.S., TSP 2021 3612-3626*

Structured LISTA for Multidimensional Harmonic Retrieval. *Fu, R., +, TSP 2021 3459-3472*

Topology

Blind Inference of Eigenvector Centrality Rankings. *Roddenberry, T., +, TSP 2021 3935-3946*

Online Topology Identification From Vector Autoregressive Time Series. *Zaman, B., +, TSP 2021 210-225*

Tracking

Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. *Guerra, A., +, TSP 2021 5723-5738*

Robust Subspace Tracking With Missing Data and Outliers: Novel Algorithm With Convergence Guarantee. *Thanh, L.T., +, TSP 2021 2070-2085*

Tracking filters

Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. *Gostar, A.K., +, TSP 2021 878-891*

On the Tracking Performance of Adaptive Filters and Their Combinations. *Claser, R., +, TSP 2021 3104-3116*

Training data

Adaptive Filters With Robust Augmented Space Linear Model: A Weighted-k-NN Method. *Zhang, Q., +, TSP 2021 6448-6461*

Information-Theoretic Feature Selection via Tensor Decomposition and Submodularity. *Amiridi, M., +, TSP 2021 6195-6205*

LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. *Khobahi, S., +, TSP 2021 5651-5664*

MIMO Modeling by Learning Explicitly the Projection Space: The Maximum Correlation Ratio Cost Function. *Hu, B., +, TSP 2021 6039-6054*

Multi-Task Reinforcement Learning in Reproducing Kernel Hilbert Spaces via Cross-Learning. *Cervino, J., +, TSP 2021 5947-5962*

Privacy-Preserving Distributed Projection LMS for Linear Multitask Networks. *Wang, C., +, TSP 2021 6530-6545*

Trajectory control

Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. *Aubry, A., +, TSP 2021 270-283*

Transceivers

Limited Feedforward Waveform Design for OFDM Dual-Functional Radar-Communications. *Keskin, M.F., +, TSP 2021 2955-2970*

Transforms

A Multi-Taper S-Transform Method for Spectral Estimation of Stationary Processes. *Huang, Z., +, TSP 2021 1452-1467*

Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. *Dai, J., +, TSP 2021 4977-4990*

Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. *Li, S., +, TSP 2021 3117-3131*

Transient response

Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP 2021 1924-1937*

Nonuniform Sampling Rate Conversion:An Efficient Approach. *Martinez-Nuevo, P., TSP 2021 2913-2922*

Transmission line matrix methods

Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems. *Du, J., +, TSP 2021 6251-6266*

Transmitters

Exploiting Information About the Structure of Signals of Opportunity for Passive Radar Performance Increase. *Wang, Z., +, TSP 2021 6083-6100*

- Over-the-Air Computation in Correlated Channels. *Frey, M., +, TSP 2021 5739-5755*
- The Interference Channel Revisited: Aligning Interference by Adjusting Antenna Separation. *Leshem, A., +, TSP 2021 1874-1884*
- Transmitting antennas**
- Signal Detection in Distributed MIMO Radar With Non-Orthogonal Waveforms and Sync Errors. *Li, H., +, TSP 2021 3671-3684*
- Tuning**
- Mismatched Data Detection in Massive MU-MIMO. *Jeon, C., +, TSP 2021 6071-6082*
- Turbulence**
- On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. *Komaty, A., +, TSP 2021 2676-2688*
- Turing machines**
- Complexity Blowup in Simulating Analog Linear Time-Invariant Systems on Digital Computers. *Boche, H., +, TSP 2021 5005-5020*
- Computable Time Concentration of Bandlimited Signals and Systems. *Boche, H., +, TSP 2021 5523-5538*
- TV**
- Bilateral Spectrum Weighted Total Variation for Noisy-Image Super-Resolution and Image Denoising. *Sun, K., +, TSP 2021 6329-6341*
- Typesetting**
- Signal Processing Methods to Enhance the Energy Efficiency of In-Memory Computing Architectures. *Sakr, C., +, TSP 2021 6462-6472*
- U**
- Ultrasonic applications**
- Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves. *AlSharif, M.H., +, TSP 2021 5078-5093*
- Uncertain systems**
- Accelerating Optimal Experimental Design for Robust Synchronization of Uncertain Kuramoto Oscillator Model Using Machine Learning. *Woo, H., +, TSP 2021 6473-6487*
- Multi-Sensor Filtering Fusion With Parametric Uncertainties and Measurement Censoring: Monotonicity and Boundedness. *Geng, H., +, TSP 2021 5875-5890*
- Robust State Estimation for Linear Systems Under Distributional Uncertainty. *Wang, S., +, TSP 2021 5963-5978*
- Underwater acoustic communication**
- Shallow Underwater Acoustic Massive MIMO Communications. *Wu, W., +, TSP 2021 1124-1139*
- Unsupervised learning**
- Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. *Behmanesh, M., +, TSP 2021 1271-1286*
- Graph Unrolling Networks: Interpretable Neural Networks for Graph Signal Denoising. *Chen, S., +, TSP 2021 3699-3713*
- Identifiability-Guaranteed Simplex-Structured Post-Nonlinear Mixture Learning via Autoencoder. *Lyu, Q., +, TSP 2021 4921-4936*
- Multimodal Data Fusion in High-Dimensional Heterogeneous Datasets Via Generative Models. *Yilmaz, Y., +, TSP 2021 5175-5188*
- Upper bound**
- Sequential Inference Methods for Non-Homogeneous Poisson Processes With State-Space Prior. *Li, C., +, TSP 2021 1154-1168*
- V**
- Variational techniques**
- Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. *Dai, J., +, TSP 2021 4977-4990*
- Vector quantization**
- Novel Codebook Design for Channel State Information Quantization in MIMO Rician Fading Channels With Limited Feedback. *Kang, J., +, TSP 2021 2858-2872*
- UVeQFed: Universal Vector Quantization for Federated Learning. *Shlezinger, N., +, TSP 2021 500-514*
- Vectors**
- Blind Localization of Early Room Reflections Using Phase Aligned Spatial Correlation. *Shlomo, T., +, TSP 2021 1213-1225*
- Block Coordinate Descent Algorithms for Auxiliary-Function-Based Independent Vector Extraction. *Ikeshita, R., +, TSP 2021 3252-3267*
- Channel Covariance Conversion and Modelling Using Infinite Dimensional Hilbert Spaces. *Miretti, L., +, TSP 2021 3145-3159*
- Fast Signal Recovery From Quadratic Measurements. *Moscoso, M., +, TSP 2021 2042-2055*
- Joint Dimension Assignment and Compression for Deterministic Parameter Vector Estimation in Distributed Multisensor Networks. *Zhang, L., +, TSP 2021 2114-2128*
- Kalman Filtering Based Combining for MIMO Systems With Hybrid ARQ. *Park, S., TSP 2021 5250-5258*
- Matched and Mismatched Estimation of Kronecker Product of Linearly Structured Scatter Matrices Under Elliptical Distributions. *Meriaux, B., +, TSP 2021 603-616*
- Phase Retrieval for Partially Coherent Observations. *Kornprobst, J., +, TSP 2021 1394-1406*
- Polytopic Matrix Factorization: Determinant Maximization Based Criterion and Identifiability. *Tatli, G., +, TSP 2021 5431-5447*
- SR2CNN: Zero-Shot Learning for Signal Recognition. *Dong, Y., +, TSP 2021 2316-2329*
- Video signal processing**
- Tracking Cells and Their Lineages Via Labeled Random Finite Sets. *Nguyen, T.T.D., +, TSP 2021 5611-5626*
- Video surveillance**
- Robust Low-Rank Matrix Completion via an Alternating Manifold Proximal Gradient Continuation Method. *Huang, M., +, TSP 2021 2639-2652*
- Virtualization**
- Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. *Jiang, M., +, TSP 2021 986-997*
- Viterbi decoding**
- Temporal Parallelization of Inference in Hidden Markov Models. *Hassan, S., +, TSP 2021 4875-4887*
- Voice activity detection**
- Block Coordinate Descent Algorithms for Auxiliary-Function-Based Independent Vector Extraction. *Ikeshita, R., +, TSP 2021 3252-3267*
- W**
- Walsh functions**
- A Generalized Walsh System and Its Fast Algorithm. *Yuan, X., +, TSP 2021 5222-5233*
- Waveform analysis**
- Constrained Radar Waveform Design for Range Profiling. *Tang, B., +, TSP 2021 1924-1937*
- Wavelet transforms**
- A Generalized Walsh System and Its Fast Algorithm. *Yuan, X., +, TSP 2021 5222-5233*
- Decomposing Non-Stationary Signals With Time-Varying Wave-Shape Functions. *Colominas, M.A., +, TSP 2021 5094-5104*
- Deep Scattering Network With Fractional Wavelet Transform. *Shi, J., +, TSP 2021 4740-4757*
- Graph Unrolling Networks: Interpretable Neural Networks for Graph Signal Denoising. *Chen, S., +, TSP 2021 3699-3713*
- Spatial-Slepian Transform on the Sphere. *Aslam, A., +, TSP 2021 4474-4485*
- Theory and Design of Joint Time-Vertex Nonsubsampled Filter Banks. *Jiang, J., +, TSP 2021 1968-1982*
- White noise**
- Detection of the Number of Signals by Signal Subspace Matching. *Wax, M., +, TSP 2021 973-985*
- Optimal Sampling of a Bandlimited Noisy Multiple Output Channel. *Solodky, G., +, TSP 2021 2026-2041*
- Source Localization with Feedback Beamforming. *Karo, I.Y., +, TSP 2021 631-640*
- Wiener filters**
- Digraph Signal Processing With Generalized Boundary Conditions. *Seifert, B., +, TSP 2021 1422-1437*
- Discrete Signal Processing on Meet/Join Lattices. *Puschel, M., +, TSP 2021 3571-3584*

Wigner distribution

Design of an Optimal Piece-Wise Spline Wigner-Ville Distribution for TFD Performance Evaluation and Comparison. *Al-Sa'd, M., +, TSP 2021 3963-3976*

Wireless channels

A Smart Pilot Assignment in Multi-Cell Massive MIMO Systems Using Virtual Modeling of Assigning Cost. *Ebrahimi, R., +, TSP 2021 2468-2480*

Channel Covariance Conversion and Modelling Using Infinite Dimensional Hilbert Spaces. *Miretti, L., +, TSP 2021 3145-3159*

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Distributed Inference With Sparse and Quantized Communication. *Mitra, A., +, TSP 2021 3906-3921*

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Joint Power Allocation and Distributed Equalization Design for OFDM-Based Filter-and-Forward Two-Way Multi-Relay Networks. *Kiani, S., +, TSP 2021 4652-4668*

Maximizing the Partial Decode-and-Forward Rate in the Gaussian MIMO Relay Channel. *Hellings, C., +, TSP 2021 1548-1562*

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Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. *Peng, Z., +, TSP 2021 837-851*

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Over-the-Air Federated Learning From Heterogeneous Data. *Sery, T., +, TSP 2021 3796-3811*

Polar-Coded Spatial Modulation. *Dai, J., +, TSP 2021 2203-2217*

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Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. *Gong, S., +, TSP 2021 3016-3032*

Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection. *Chen, Y., +, TSP 2021 4685-4698*

Wireless communication

Over-the-Air Computation in Correlated Channels. *Frey, M., +, TSP 2021 5739-5755*

Wireless sensor networks

A Low-Cost Algorithm for Adaptive Sampling and Censoring in Diffusion Networks. *Tiglea, D.G., +, TSP 2021 58-72*

Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. *Gostar, A.K., +, TSP 2021 878-891*

Design of Asymmetric Shift Operators for Efficient Decentralized Subspace Projection. *Mollaebrahim, S., +, TSP 2021 2056-2069*

Distributed Adaptive Trace Ratio Optimization in Wireless Sensor Networks. *Musluoglu, C.A., +, TSP 2021 3653-3670*

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Eavesdropper and Jammer Selection in Wireless Source Localization Networks. *Ozturk, C., +, TSP 2021 4341-4356*

Fast Graph Filters for Decentralized Subspace Projection. *Romero, D., +, TSP 2021 150-164*

Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *Cheng, X., +, TSP 2021 5448-5462*

Matrix-Monotonic Optimization– Part II: Multi-Variable Optimization. *Xing, C., +, TSP 2021 179-194*

Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *Joseph, G., +, TSP 2021 905-916*

Ordering for Communication-Efficient Quickest Change Detection in a Decomposable Graphical Model. *Chen, Y., +, TSP 2021 4710-4723*

Over-the-Air Computation in Correlated Channels. *Frey, M., +, TSP 2021 5739-5755*

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Practical Precoding via Asynchronous Stochastic Successive Convex Approximation. *Idrees, B.M., +, TSP 2021 4177-4191*

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