

Network Publications

Solo Lab, EE, UNSW Sydney.

August 2020.

JOURNAL PAPERS

2010s

- (1) G. Marjanovic, V. Solo, On l_q Optimization and Sparse Inverse Covariance Selection, IEEE Trans. Sig. Proc., 62, pp 1644-1654, 2014.
- (2) B. Cassidy, C. Rae, V. Solo, Brain Activity: Connectivity, Sparsity, and Mutual Information, IEEE Trans. Med. Imaging, 34, pp 846-860, 2015.
- (3) M. Piggott and V. Solo, Diffusion LMS with Correlated Regressors I: Realization-wise Stability, IEEE Trans. Sig. Proc., 64, 5473-5484, 2016.
- (4) M. Piggott and V. Solo, Diffusion LMS With Correlated Regressors II: Performance, IEEE Trans. Sig. Proc., 65, 3934-3947, 2017.
- (5) B. Cassidy, DB. Bowman, C. Rae, V. Solo, On the Reliability of Individual Brain Activity Networks, IEEE Trans. Med. Imaging, 37, 649-662, 2018.
- (6) V. Solo, J-B Poline, M.A. Lindquist, S.L. Simpson, F.dB. Bowman, M.K. Chung, B. Cassidy, Connectivity in fMRI: Blind Spots and Breakthroughs, IEEE Trans. Med. Imaging, 37, 1537-1550, 2018.

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- (7) P. Sundaram, M. Luessi, M. Bianciardi, S. Stufflebeam, M. Hamalainen, V. Solo, Individual Resting-State Brain Networks enabled by Massive Multivariate Conditional Mutual Information, IEEE Trans. Med. Imaging, pp, 2020.

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- (1) V Solo, On Random Matrix Theory for Stationary Random processes, Proc IEEE ICASSP, Dallas Texas, pp 3758-3761, March 2010.
- (2) G Marjanovic and V Solo , 10 Sparse Graphical Modeling , Proc IEEE ICASSP, Prague, p 2084-2087 , May 2011.
- (3) A.J. Seneviratne and V Solo, Topology Identification of a Sparse Dynamic Network, Proc IEEE Conference on Decision and Control, Maui, USA, 2012, pp 1518-1523.
- (4) SA Pasha, V Solo, Topology Identification of Dynamic Point Process Networks, Proc IEEE ICASSP, Florence Italy, 2014, pp 375-378.
- (5) A Pasha, V Solo, Topology Identification for Sparse Dynamic Point Process Networks, Proc IEEE CDC, Los Angeles, pp 1786-1791, December 2014.
- (6) S.A. Pasha, V. Solo, Distributed Topology Identification for Point Process Dynamic Networks, Proc IEEE ICASSP, Brisbane, pp 3681-3685, April 2015.
- (7) B. Cassidy, C. Rae, V. Solo, Brain Activity: Conditional Dissimilarity and Persistent Homology, Proc IEEE ISBI, New York, pp 1356-1359, April 2015.
- (8) A Pasha, V Solo, Distributed Topology Identification for Sparse Point Process Dynamic Networks, Proc IEEE CDC, Osaka, Japan, pp 3379-3384, Dec. 2015.
- (9) V. Solo and M. Piggott, What to do About Noisy Consensus?, Proc IEEE ICASSP, pp 4836-4839, March 2016.
- (10) G. Marjanovic, M.O. Ulfarsson and V. Solo, Large-Scale 10 Sparse Inverse Covariance Estimation, Proc IEEE ICASSP, pp 4767-4771, March 2016.
- (11) B. Cassidy, C. Rae and V. Solo, Network Comparison with Frequency Domain Persistent Homology, Proc IEEE ISBI, Prague, pp 549-553, April 2016.
- (12) M.J. Piggott, V. Solo, Stability of Adaptive Network Algorithms in Multitask Environments, Proc. IEEE CDC, Melbourne, pp 1472-1477, 2017.
- (13) G. Marjanovic, V. Solo, Vector l_o Sparse Conditional Independence Graphs, Proc IEEE ICASSP, Calgary, pp 2731-2735, 2018.

- (14) MJ Piggott, V. Solo, Non-negative Online Estimation for Hawkes Process Networks, Proc IEEE ICASSP, Calgary, pp 6333-6337, 2018.
- (15) A. Pasha, V. Solo, Sparse Topology Identification for Point Process Networks, Proc IEEE ICASSP, Calgary, pp 2196-2200, 2018.
- (16) A. Pasha, V. Solo, Adaptive Estimation of a Vector Point Process Model, Proc. IEEE CDC, Nice, pp 2904-2909, 2019.
- (17) V. Solo, On Random Matrix Theory and Autoregressive Modeling, Proc. IEEE CDC, pp 4527-4532, 2019.

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- (18) Z. Yue, V. Solo, Large-Scale Time Series Clustering with k-ARs, Proc IEEE ICASSP, pp 6039-6043, 2020.
- (19) Z. Yue, P. Sundaram, V. Solo, Fast Block-Sparse Estimation for Vector Networks, Proc IEEE ICASSP, pp 5504-5509, 2020.