

Network Publications

Solo Lab, EE, UNSW Sydney.

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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*, in press, 2018.

IEEE REFEREED CONFERENCE PAPERS

2010s

- (1) G Marjanovic and V Solo , 10 Sparse Graphical Modeling , *Proc IEEE ICASSP*, Prague, p 2084-2087 , May 2011.
- (2) 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.
- (3) SA Pasha, V Solo, Topology Identification of Dynamic Point Process Networks, *Proc IEEE ICASSP*, Florence Italy, 2014, pp 375-378.
- (4) A Pasha, V Solo, Topology Identification for Sparse Dynamic Point Process Networks, *Proc IEEE CDC*, Los Angeles, pp 1786-1791, December 2014.
- (5) S.A. Pasha, V. Solo, Distributed Topology Identification for Point Process Dynamic Networks, *Proc IEEE ICASSP*, Brisbane, pp 3681-3685, April 2015.
- (6) B. Cassidy, C. Rae, V. Solo, Brain Activity: Conditional Dissimilarity and Persistent Homology, *Proc IEEE ISBI*, New York, pp 1356-1359, April 2015.
- (7) A Pasha, V Solo, Distributed Topology Identification for Sparse Point Process Dynamic Networks, *Proc IEEE CDC*, Osaka, Japan, pp 3379-3384, Dec. 2015.
- (8) V. Solo and M. Piggott, What to do About Noisy Consensus?, *Proc IEEE ICASSP*, pp 4836-4839, March 2016.
- (9) G. Marjanovic, M.O. Ulfarsson and V. Solo, Large-Scale 10 Sparse Inverse Covariance Estimation, *Proc IEEE ICASSP*, pp 4767-4771, March 2016.
- (10) B. Cassidy, C. Rae and V. Solo, Network Comparison with Frequency Domain Persistent Homology, *Proc IEEE ISBI*, Prague, pp 549-553, April 2016.
- (11) M.J. Piggott, V. Solo, Stability of Adaptive Network Algorithms in Multitask Environments, *Proc. IEEE CDC*, Melbourne, pp1472-1477, 2017.
- (12) G. Marjanovic, V. Solo, Vector l_o Sparse Conditional Independence Graphs, *Proc IEEE ICASSP*, Calgary, pp 2731-2735, 2018.
- (13) MJ Piggott, V. Solo, Non-negative Online Estimation for Hawkes Process Networks, *Proc IEEE ICASSP*, Calgary, pp 6333-6337, 2018.
- (14) A. Pasha, V. Solo, Sparse Topology Identification for Point Process Networks, *Proc IEEE ICASSP*, Calgary, pp 2196-2200, 2018.