

LIST OF PUBLICATIONS

- [1] I. Molybog, S. Sojoudi, and J. Lavaei, “No spurious solutions in non-convex matrix sensing: Structure compensates for isometry,” in *2021 American Control Conference (ACC)*, pp. 2587–2594, IEEE, 2021.
- [2] I. Molybog, R. Madani, and J. Lavaei, “Conic optimization for quadratic regression under sparse noise.,” *Journal of Machine Learning Research*, vol. 21, pp. 195–1, 2020.
- [3] I. Molybog, R. Madani, and J. Lavaei, “Conic optimization for robust quadratic regression: Deterministic bounds and statistical analysis,” in *2018 IEEE Conference on Decision and Control (CDC)*, pp. 841–848, 2018.
- [4] I. Molybog, S. Sojoudi, and J. Lavaei, “Role of sparsity and structure in the optimization landscape of non-convex matrix sensing,” *Mathematical Programming*, pp. 1–37, 2020.
- [5] I. Molybog and J. Lavaei, “When does maml objective have benign landscape?,” in *2021 IEEE Conference on Control Technology and Applications (CCTA)*, 2021.
- [6] M. Jin, I. Molybog, R. Mohammadi-Ghazi, and J. Lavaei, “Towards robust and scalable power system state estimation,” in *2019 IEEE 58th Conference on Decision and Control (CDC)*, pp. 3245–3252, IEEE, 2019.
- [7] M. Jin, I. Molybog, R. Mohammadi-Ghazi, and J. Lavaei, “Scalable and robust state estimation from abundant but untrusted data,” *IEEE Transactions on Smart Grid*, vol. 11, no. 3, pp. 1880–1894, 2019.
- [8] I. Molybog and J. Lavaei, “On sampling complexity of the semidefinite affine rank feasibility problem,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, pp. 1568–1575, 2019.
- [9] I. Molybog, A. P. Motrenko, and V. Strijov, “Improving classification quality for the task of finding intrinsic plagiarism,” *Informatika i Ee Primeneniya [Informatics and its Applications]*, vol. 11, no. 3, pp. 60–72, 2017.
- [10] I. Molybog and Y. Chehovich, “Analysis of heterogeneity of transport flows,” *Advances in Systems Science and Applications*, vol. 17, no. 3, pp. 9–21, 2017.