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PUBLICATIONS

First Author Papers.

1. Block Coordinate Descent on Smooth Manifolds

<u>LP</u> and René Vidal

[Preprint] [arXiv]

2. The Ideal Continual Learner: An Agent That Never Forgets

LP, Paris V. Giampouras, and René Vidal

[ICML 2023] [OpenReview] [CLVision Workshop 2023] [arXiv] [bib]

3. On the Convergence of IRLS and Its Variants in Outlier-Robust Estimation

Highlight, 235/9155≈2.5% Acceptance Rate

LP, Christian Kümmerle, and René Vidal

[CVPR 2023] [pdf] [video] [slides] [bib]

4. Global Linear and Local Superlinear Convergence of IRLS for Non-Smooth Robust Regression

LP, Christian Kümmerle, and René Vidal

[NeurIPS 2022] [OpenReview] [arXiv] [code] [bib]

5. Semidefinite Relaxations of Truncated Least-Squares in Robust Rotation Search: Tight or Not

Oral Presentation, 158/5803≈2.7% Acceptance Rate

LP, Mahyar Fazlyab, and René Vidal

[ECCV 2022] [arXiv] [slides] [poster] [talk video] [bib]

6. ARCS: Accurate Rotation and Correspondence Search

Oral Presentation, 342/8161≈4.2% Acceptance Rate

LP, Manolis C. Tsakiris, and René Vidal

[CVPR 2022] [arXiv] [code] [slides] [talk video] [bib]

7. Homomorphic Sensing: Sparsity and Noise

LP, Boshi Wang, and Manolis C. Tsakiris

[ICML 2021] [pdf] [talk video] [bib]

8. Algebraically-Initialized Expectation Maximization for Header-Free Communication

<u>LP</u>, Xuming Song, Manolis C. Tsakiris, Hayoung Choi, Laurent Kneip, and Yuanming Shi [ICASSP 2019] [pdf] [bib]

9. Homomorphic Sensing of Subspace Arrangements

Applied and Computational Harmonic Analysis, 2021

LP and Manolis C. Tsakiris

[arXiv] [bib]

10. Linear Regression Without Correspondences via Concave Minimization

IEEE Signal Processing Letters, 2020

LP and Manolis C. Tsakiris

[arXiv] [code] [bib]

Other Papers.

1. Accelerating Globally Optimal Consensus Maximization in Geometric Vision

Xinyue Zhang, <u>LP</u>, Wanting Xu, and Laurent Kneip [Preprint] [arXiv]

2. HARD: Hyperplane ARangement Descent

Tianjiao Ding, <u>LP</u>, and René Vidal [Preprint]

3. Unlabeled Principal Component Analysis

Yunzhen Yao, *LP*, and Manolis C. Tsakiris
[NeurIPS 2021] [OpenReview] [arXiv] [code] [bib]

4. Unsigned Matrix Completion

Yunzhen Yao, *LP*, and Manolis C. Tsakiris [ISIT 2021] [pdf] [bib]

5. Homomorphic Sensing

Manolis C. Tsakiris and <u>LP</u>
[ICML 2019] [arXiv] [code] [bib]

6. An Algebraic-Geometric Approach to Linear Regression Without Correspondences

IEEE Transactions on Information Theory, 2020

Manolis C. Tsakiris, *LP*, Aldo Conca, Laurent Kneip, Yuanming Shi, and Hayoung Choi [arXiv] [code] [bib]