

Curriculum Vitae: Zhong-Feng Sun (Associate Professor)

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★ Contact Information

Affiliation: School of Mathematics and Statistics,
Shandong University of Technology

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★ Education

Sept. 2004-Jun. 2009 School of Mathematical Sciences, Capital Normal University, Ph.D.
Advisor: Prof. Jiequan Li

Sept. 2000-Jun. 2004 School of Mathematics and Statistics, Xuzhou Normal University B.Sc.

★ Work Experience

Jan. 2020-present School of Mathematics and Statistics, Associate Professor
Shandong University of Technology

Jul. 2026-Aug. 2026
Jul. 2025-Dec. 2025 Shenzhen Research Institute of Big Data Visiting Scholar
Jul. 2024-Aug. 2024 Host: Prof. Yunbin Zhao
Feb. 15, 2023-Dec. 31, 2023
Jun. 15, 2022-Oct. 15, 2022
Aug. 2021-Oct. 2021

Sept. 2011-Dec. 2019 School of Mathematics and Statistics, Lecturer
Shandong University of Technology

Jul. 2009-Jun. 2011 School of Mathematical Sciences, Peking University Postdoc
Mentor: Prof. Huazhong Tang

★ Research Interests

Sparse optimization, Signal processing, Image processing.

★ Research Grants

- [1] National Natural Science Foundation of China (Tianyuan Fund for Mathematics, Grant No. 11226315), 2013.01-2013.12, PI.

[2] Shandong Provincial Natural Science Foundation (Grant No. ZR2025MS99), 2025.10-2028.09, PI.

★ Academic Activities

Journal Reviewer: IEEE Transactions on Information Theory; Inverse Problems; Applied Mathematics and Computation; Numerical Algorithms; IEEE Signal Processing Letters; Mathematical Reviews.

★ Publications

- [1] Y.B. Zhao, **Z.F. Sun**, X. Liu, Q. Yu, General decomposition pursuit algorithm for linear inverse problems, *Inverse Probl.*, 2026, 42(5), 055002.
- [2] Y.B. Zhao, **Z.F. Sun**, Splitting alternating algorithms for sparse solutions of linear systems with concatenated orthogonal matrices, *SIAM J. Matrix Anal. Appl.*, 2025, 46(4), 2310-2330.
- [3] **Z.F. Sun**, Y.B. Zhao, J.C. Zhou, Z.H. Huang, Dynamic thresholding algorithm with memory for linear inverse problems, *Inverse Probl.*, 2025, 41(1), 015004.
- [4] **Z.F. Sun**, J.C. Zhou, Y.B. Zhao, Heavy-ball-based optimal thresholding algorithms for sparse linear inverse problems, *J. Sci. Comput.*, 2023, 96, 93.
- [5] **Z.F. Sun**, J.C. Zhou, Y.B. Zhao, N. Meng, Heavy-ball-based hard thresholding algorithms for sparse signal recovery, *J. Comput. Appl. Math.*, 2023, 430, 115264.
- [6] L.P. Geng, J.C. Zhou, **Z.F. Sun**, J.Y. Tang, Recovery of sparse signals via modified hard thresholding pursuit algorithms, *IET Signal Process.*, 2023, 2023, 9937696.
- [7] J.Y. Tang, J.C. Zhou, **Z.F. Sun**, A derivative-free line search technique for Broyden-like method with applications to NCP, wLCP and SI, *Ann. Oper. Res.*, 2023, 321, 541-564.
- [8] N. Meng, Y.B. Zhao, M. Kočvara, **Z.F. Sun**, Partial gradient optimal thresholding algorithms for a class of sparse optimization problems, *J. Glob. Optim.*, 2022, 84(2), 393-413.