

Selected Publications

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- Games and Incentive design: [1, 2, 3, 4]
- Multiagent systems, networked systems: [5, 6, 7, 8, 9, 10, 11]
- Large-scale systems: [6]
- Nonlinear control, control on manifolds, formation control, aircraft attitude control: [5, 7, 8, 9, 10]
- Distributed algorithm, distributed optimization: [9]
- Privacy-preserving network control/multi-agent systems: [11]

References

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- [2] G. Vasileiou, L. Zhang, and S. Zhang, “Adaptive incentive design with regret minimization,” *In Proceedings of the European Control Conference (ECC), Reykjavik, Iceland*, 2026.
- [3] G. Vasileiou, L. Zhang, and S. Zhang, “Incentive Design without Hypergradients: A Social-Gradient Method,” *arXiv*, 2026.
- [4] G. Vasileiou, L. Zhang, and S. Zhang, “A No-Regret Framework for Adaptive Incentive Design,” *arXiv*, 2026.
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- [6] S. Zhang, A. Ringh, X. Hu, and J. Karlsson, “Modeling collective behaviors: A moment-based approach,” *IEEE Transactions on Automatic Control*, 2020.
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- [9] T. O. Timoudas, S. Zhang, S. Magnússon, and C. Fischione, “A general framework to distribute iterative algorithms with localized information over networks,” *IEEE Transactions on Automatic Control*, vol. 68, no. 12, pp. 7358–7373, 2023.
- [10] J. Wei, S. Zhang, A. Adaldo, J. Thunberg, X. Hu, and K. Johansson, “Finite-time attitude synchronization with distributed discontinuous protocols,” *IEEE Transactions on Automatic Control*, vol. 63, no. 10, pp. 3608–3615, 2020.
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