

Publications of Vorapong Suppakitpaisarn

Journal Articles (Refereed)

- [1] B. Manna, L. Nguyen, B. Roy, and V. Suppakitpaisarn, “Minimum target coverage for air quality monitoring using bus routes,” *IEICE Transactions on Information & Systems*, vol. 109-D, no. 3, pp. 381–390, 2026.
- [2] Q. Hillebrand, V. Suppakitpaisarn, and T. Shibuya, “Communication cost reduction for sub-graph counting under local differential privacy via hash functions,” *Transactions on Machine Learning Research (TMLR)*, 2025.
- [3] S. Mukherjee and V. Suppakitpaisarn, “Local differential privacy-preserving spectral clustering for general graphs,” *Transactions on Machine Learning Research (TMLR)*, 2025.
- [4] S. Buahong, V. Suppakitpaisarn, and P. Sripratak, “Finding a b-matching that embeds the maximum number of edge pairs in a given set,” *Journal of Combinatorial Optimization (JOCO)*, vol. 49, 2025, Article No. 91.
- [5] P. Vinayavekhin, B. Khomkham, V. Suppakitpaisarn, P. Codognet, T. Terada, and A. Miura, “Identifying relationships and classifying Western-style paintings: Machine learning approaches for artworks by Western artists and Meiji-era Japanese artists,” *ACM Journal on Computing and Cultural Heritage*, vol. 17, no. 1, pp. 1–18, 2024, Article 6.
- [6] T. Mitsunobu, R. Suda, and V. Suppakitpaisarn, “Worst-case analysis of LPT scheduling on small number of non-identical processors,” *Information Processing Letters*, vol. 183, 2024, Article 106424.
- [7] Z. Xu and V. Suppakitpaisarn, “On the size of minimal separators for treedepth decomposition,” *Discrete Applied Mathematics*, vol. 354, pp. 262–270, 2024.
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- [27] Q. Hillebrand, V. Suppakitpaisarn, and T. Shibuya, “Communication-efficient publication of sparse vectors under differential privacy via poisson private representation,” in *ACM Asia Conference on Computer and Communications Security (AsiaCCS)*, 2026, pp. 1786–1798.
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Others

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