

In principle, I follow the tradition that authors are ordered according to their contributions. Only selected works are made available on the arXiv preprint server.

Journal papers

Preprints of submitted works available on arXiv

- [J55] A. Zamani, T. J. Oechtering, and M. Skoglund, “On the Privacy-Utility Trade-off With and Without Direct Access to the Private Data,” submitted to *IEEE Transactions Information Theory*, in Dec 2022, preprint available *arXiv:2212.12475*.
- [J54] M. Le Treust, and T. J. Oechtering, “Power-Estimation Trade-off of Vector-valued Witsenhausen Counterexample with Causal Decoder,” submitted to *IEEE Transactions Information Theory*, in Nov 2022, preprint available *arXiv:2211.09200*.
- [J53] S. Saeidian, G. Cervia, T. J. Oechtering, and M. Skoglund, “Pointwise Maximal Leakage,” submitted to *IEEE Transactions Information Theory*, in May 2022, revised Feb 2023, preprint available *arXiv:2205.04935*.

Published and accepted papers in refereed journals

- [J52] Y. You, Z. Li and T. J. Oechtering, “Non-Cooperative Games for Privacy-Preserving and Cost-Efficient Smart Grid Energy Management,” in *IEEE Transactions on Information Forensics and Security*, vol. 18, pp. 423-434, 2023, doi: 10.1109/TIFS.2022.3224324.
- [J51] Y. You and T. J. Oechtering, “Time-Adaptive Expectation Maximization Learning Framework for HMM Based Data-Driven Gas Sensor Calibration,” in *IEEE Transactions on Industrial Informatics*, 2022, doi: 10.1109/TII.2022.3215960.
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- [J47] M. T. Vu, T. J. Oechtering, M. Skoglund, “Hypothesis Testing and Identification Systems,” in *IEEE Transactions on Information Theory*, June 2021.
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- [J45] S. Saeidian, G. Cervia, T. J. Oechtering, and M. Skoglund, “Quantifying Membership Privacy via Information Leakage,” in *IEEE Transactions Information Forensics & Security*, in Apr 2021, available: <http://arxiv.org/abs/2010.05965>.

- [J44] R. Reddy, J. Chin, T. J. Oechtering, G. Hug, and D. Månsson, “Design Framework for Privacy-Aware Demand-Side Management with Realistic Energy Storage Model,” in *IEEE Transactions Smart Grids*, March 2021.
- [J43] J. P. Champati, R. R. Avula, T. J. Oechtering and J. Gross, “Minimum Achievable Peak Age of Information Under Service Preemptions and Request Delay,” to appear in *IEEE Journal on Selected Areas in Communications Special Issue on Age of Information in Real-time Systems and Networks*, March 2021.
- [J42] M. T. Vu, T. J. Oechtering, H. Boche, M. Skoglund, “Uncertainty in Identification Systems,” in *IEEE Transactions on Information Theory*, March. 2020.
- [J41] L. Zhou, M. T. Vu, T. J. Oechtering, and M. Skoglund, “Two-Stage Biometric Identification Systems without Privacy Leakage,” in *IEEE Journal on Selected Areas in Information Theory*, in March 2021.
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Book chapters

- [BC3] Z. Li, Y. Yang, and T. J. Oechtering, “Privacy Against Adversarial Hypothesis Testing: Theory and Application to Smart Meter Privacy Problem,” published in “Privacy in Dynamical Systems,” edited by F. Farokhi, *Springer Singapore* 2020.
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Conference, symposium, and workshop publications

Published and accepted refereed conference, workshop, or symposium papers

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- [C139] S. Saeidian, G. Cervia, T. J. Oechtering, and M. Skoglund, “Pointwise Maximal Leakage on General Alphabets,” accepted at. *IEEE International Symposium Information Theory (ISIT)*, 2023.
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