Publication List – Ashkan Moradi

Conference Papers

[1] S. D. Nagaraju, A. Moradi, B. S. Abrahamsen, M. Elschot, *"FedGIN: Federated Learning with Dynamic Global Intensity Non-linear Augmentation for Organ Segmentation using Multi-modal Images,"*, **MICCAI-DeCaF2025** (submitted).
[2] A. Moradi, B. S. Abrahamsen, J. Geerdink, D. Yakar, H. Huisman, M. Elschot, *"Beyond the Sandbox: Real-World Federated Learning for MRI Prostate Cancer Detection,"*, **MICCAI-DeCaF2025** (submitted).
[3] A. Moradi, F. Zerka, J.S. Bosma, D. Yakar, J. Geerdink, H. Huisman, T.F. Bathen, and M. Elschot, *"Federated learning for prostate cancer detection in biparametric MRI: optimization of rounds, epochs, and aggregation strategy,"* in **SPIE Medical Imaging: Computer-Aided Diagnosis**, 2024, doi: 10.1117/12.2688568.
[4] R. Mirzaeifard, A. Moradi, M. Yukawa, and S. Werner, *"Federated Smoothing ADMM for Localization,"*, **EUSIPCO 2025**(submitted), arXiv: 2503.09497.
[5] V. C. Gogineni, A. Moradi, N. K. D. Venkategowda, S. Pouria Talebi and S. Werner, *"Communication-Efficient and Privacy-Aware Distributed LMS Algorithm,"* in **IEEE FUSION**, 2022, doi: 10.23919/FUSION49751.
[6] A. Moradi, N. K. D. Venkategowda, S. Pouria Talebi and S. Werner, *"Securing the Distributed Kalman Filter Against Curious Agents,"* in **IEEE FUSION**, 2021, doi: 10.23919.
[7] A. Moradi, N. K. D. Venkategowda, S. Pouria Talebi and S. Werner, *"Distributed Kalman Filtering with Privacy against Honest-but-Curious Adversaries,"* in **Asilomar**, 2021, doi: 10.1109.
[8] A. Moradi, N. K. D. Venkategowda and S. Werner, *"Coordinated Data-Falsification Attacks in Consensus-based Distributed Kalman Filtering,"* in **IEEE CAMSAP**, 2019, doi: 10.1109/CAMSAP.

Journal Papers

[1] A. Moradi et al., *"Optimizing Federated Learning Configurations on MRI Prostate Gland Segmentation and Prostate Cancer Detection: a Simulation Study,"* in **Radiology: Artificial Intelligence**, Accepted July 2025.
[2] N. K. D. Venkategowda, A. Moradi, and S. Werner, *"Security and Privacy in Distributed Kalman Filtering,"* in **Wireless Sensor Networks in Smart Environments**, John Wiley & Sons, Book Chapter.
[3] A. Moradi, N. K. D. Venkategowda, S. P. Talebi and S. Werner, *"Privacy-Preserving Distributed Kalman Filtering,"* in **IEEE Transactions on Signal Processing**, vol. 70, pp. 3074–3089, 2022, doi: 10.1109/TSP.2022.3182590.
[4] A. Moradi, N. K. D. Venkategowda, and S. Werner, *"Total variation-based distributed Kalman filtering for resiliency against Byzantines,"* in **IEEE Sensors Journal**, vol. 23(4), pp. 4228–4238, 2023, doi: 10.1109/JSEN.2022.3233700.
[5] V. C. Gogineni, A. Moradi, N. K. D. Venkategowda, and S. Werner, *"Communication-Efficient and Privacy-Aware Distributed Learning,"* in **IEEE Transactions on Signal and Information Processing over Networks**, vol. 9, pp. 705–720, 2023, doi: 10.1109/TSIPN23.
[6] A. Moradi et al., *"Distributed Filtering Design with Enhanced Resilience to Coordinated Byzantine Attacks,"* **arXiv preprint**, July 2023, arXiv: 2307.13906.
[7] A. Moradi, V. Shah-Mansouri, *"Opportunistic content dissemination in mobile social networks via adjustment of user selfishness,"* in **IET Networks**, vol. 8(2), pp. 126–137, 2019.