

# Publication List – Ashkan Moradi

## Conference Papers

- 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*,” submitted to **MICCAI 2025**.
- 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*,” submitted to **MICCAI 2025**.
- 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](https://doi.org/10.1117/12.2688568).
- R. Mirzaeifard, A. Moradi, M. Yukawa, and S. Werner, “*Federated Smoothing ADMM for Localization*,” submitted to **EUSIPCO 2025**, arXiv: [2503.09497](https://arxiv.org/abs/2503.09497).
- V. C. Gogineni, A. Moradi, N. K. D. Venkatesgowda, S. Pouria Talebi and S. Werner, “*Communication-Efficient and Privacy-Aware Distributed LMS Algorithm*,” in **IEEE FUSION**, 2022, doi: [10.23919/FUSION49751.2022.9841380](https://doi.org/10.23919/FUSION49751.2022.9841380).
- A. Moradi, N. K. D. Venkatesgowda, S. Pouria Talebi and S. Werner, “*Securing the Distributed Kalman Filter Against Curious Agents*,” in **IEEE FUSION**, 2021, doi: [10.23919/FUSION49465.2021.9627034](https://doi.org/10.23919/FUSION49465.2021.9627034).
- A. Moradi, N. K. D. Venkatesgowda, S. Pouria Talebi and S. Werner, “*Distributed Kalman Filtering with Privacy against Honest-but-Curious Adversaries*,” in **Asilomar**, 2021, doi: [10.1109/IEEECONF53345.2021.9723222](https://doi.org/10.1109/IEEECONF53345.2021.9723222).
- A. Moradi, N. K. D. Venkatesgowda and S. Werner, “*Coordinated Data-Falsification Attacks in Consensus-based Distributed Kalman Filtering*,” in **IEEE CAMSAP**, 2019, doi: [10.1109/CAMSAP45676.2019.9022448](https://doi.org/10.1109/CAMSAP45676.2019.9022448).

## Journal Papers

- 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.
- N. K. D. Venkatesgowda, A. Moradi, and S. Werner, “*Security and Privacy in Distributed Kalman Filtering*,” in **Wireless Sensor Networks in Smart Environments**, John Wiley & Sons, [Book Chapter](#).

- 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](https://doi.org/10.1109/TSP.2022.3182590).
- 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](https://doi.org/10.1109/JSEN.2022.3233700).
- 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/TSIPN.2023.3322783](https://doi.org/10.1109/TSIPN.2023.3322783).
- A. Moradi et al., “*Distributed Filtering Design with Enhanced Resilience to Coordinated Byzantine Attacks*,” **arXiv preprint**, July 2023, arXiv: [2307.13906](https://arxiv.org/abs/2307.13906).
- 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.