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Education

- PhD of Control Science and Engineering
Guangdong University of Technology, China 2017.09 – 2021.12

Publications

- **M. Wu**, D. Ye, J. Ding, Y. Guo, R. Yu, M. Pan, Incentivizing differentially private federated learning: A multi-dimensional contract approach, IEEE Internet of Things Journal, 2021.
- **M. Wu**, D. Ye, C. Zhang, R. Yu, Spears and Shields: Attacking and Defending Deep Model Co-Inference in Vehicular Crowdsensing Networks, EURASIP Journal on Advances in Signal Processing, 2021.
- **M. Wu**, X. Huang, B. Tan, R. Yu, Hybrid sensor network with edge computing for ai applications of connected vehicles, Journal of Internet Technology, 2020.
- D. Shi, L. Li, **M. Wu**, Minglei Shu, Rong Yu, Miao Pan, Zhu Han. To talk or to work: Dynamic batch sizes assisted time efficient federated learning over future mobile edge devices[J]. IEEE Transactions on Wireless Communications, 2022.
- X. Zhang, J. Ding, **M. Wu**, S. Wong, H. Nguyen, M. Pan, Adaptive Privacy Preserving Deep Learning Algorithms for Medical Data, 2021 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV).
- P. Prakash, J. Ding, **M. Wu**, M. Shu, R. Yu, M. Pan, To Talk or to Work: Delay Efficient Federated Learning over Mobile Edge Devices, 2021 IEEE GLOBECOM.

Research Interests

- Federated learning, split learning, differential privacy, semantic communications, and connected-automated vehicle.

Academic Services

- TPC Member, IEEE GLOBECOM 2022.
- TPC Member, IEEE MetaCom 2023.
- TPC Member, IEEE INFOCOM ICCN 2023.
- Reviewer of IEEE Network, IEEE TVT, IEEE IoTJ, IEEE TNSE.