Peichun Li 李培春

Research Assistant

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Education

- Master of Control Science and Engineering

  Guangdong University of Technology, China 2018.09 – 2021.06

Publications

- **Peichun Li**, Guoliang Cheng, Xumin Huang, Jiawen Kang, Rong Yu, Yuan Wu, and Miao Pan. ''AnycostFL: Efficient On-Demand Federated Learning over Heterogeneous Edge Devices,'' in *Proceedings of IEEE INFOCOM*, 2023.
- **Peichun Li**, Yupei Zhong, Chaorui Zhang, Yuan Wu, and Rong Yu. ''FedRelay: Federated Relay Learning for 6G Mobile Edge Intelligence,'' *IEEE Transactions on Vehicular Technology*, 2022.
- **Peichun Li**, Xumin Huang, Miao Pan, and Rong Yu. ''FedGreen: Federated Learning with Fine-Grained Gradient Compression for Green Mobile Edge Computing,'' in *Proceedings of IEEE Global Communications Conference (GlobeCom)*, 2021.
- Rong Yu and **Peichun Li**. ''Toward Resource-Efficient Federated Learning in Mobile Edge Computing,'' *IEEE Network*, 2021.
- Xumin Huang, **Peichun Li**, Rong Yu, Yuan Wu. ''FedParking: A Federated Learning based Parking Space Estimation with Parked Vehicle assisted Edge Computing,'' *IEEE Transactions on Vehicular Technology*, 2021.
- Xumin Huang, Yupei Zhong, Yuan Wu, **Peichun Li**, Rong Yu. ''Privacy-preserving incentive mechanism for platoon assisted vehicular edge computing with deep reinforcement learning,'' China Communications, 2022.
- Minghui Dai, Yang Li, **Peichun Li**, Yuan Wu, Liping Qian, Bin Lin, and Zhou Su. ''A Survey on Integrated Sensing, Communication, and Computing Networks for Smart Oceans,'' *Journal of Sensor and Actuator Networks*, 2022.

Research Interests

- Peichun's research interests cover the broad area of deep learning, distributed system, and edge computing, with a focus on federated learning, semantic communications, and efficient algorithms for artificial intelligence (AI) applications.

Academic Services

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