许新操

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教育背景

重庆大学，计算机科学与技术，博士（硕博连读） 2017.09 - 2023.06
中北大学，网络工程，本科 2013.09 - 2017.06

论文列表

期刊论文

1. 基于势博弈的车载边缘计算信道分配方法, **许新操**, 刘凯 *, 刘春晖, 蒋豪, 郭松涛, 吴巍炜, 电子学报, (49) 5, 851-860, 2021. (CCF A 类)
2. A Hierarchical Architecture for the Future Internet of Vehicles, Kai Liu*, **Xincao Xu**, Mengliang Chen, et al., *IEEE Commun. Mag.*, 57 (7), 41-47, 2019. (SCI 一区)
3. Vehicular Fog Computing Enabled Real-time Collision Warning via Trajectory Calibration, **Xincao Xu**, Kai Liu*, Ke Xiao, et al., *Mob. Netw. Appl.*, 25 (6), 2482-2494, 2020. (SCI 三区)
4. Efficient Fog-assisted Heterogeneous Data Services in Software Defined VANETs, Ke Xiao, Kai Liu, **Xincao Xu**, et al., *J. Ambient Intell. Humaniz. Comput.*, 12 (1), 261-273, 2021. (SCI 二区)
5. Cooperative Coding and Caching Scheduling via Binary Particle Swarm Optimization in Software Defined Vehicular Networks, Ke Xiao, Kai Liu, **Xincao Xu**, et al., *Neural. Comput. Appl.*, 33 (5), 1467-1478, 2021. (SCI 二区)
6. RtDS: Real-time Distributed Strategy for Multi-period Task Offloading in Vehicular Edge Computing Environment, Chunhui Liu, Kai Liu, Hualing Ren, **Xincao Xu**, et al., *Neural. Comput. Appl.*, to appear, doi: 10.1007/s00521-021-05766-5. (SCI 二区)

会议论文

1. Age of View: A New Metric for Evaluating Heterogeneous Information Fusion in Vehicular Cyber-Physical Systems, **Xincao Xu**, Kai Liu, et al., *IEEE ITSC'22*, Macau, October 8-12, 2022.
2. Potential Game-based Distributed Channel Allocation in Vehicular Fog Computing Environments, **Xincao Xu**, Yi Zhou, Kai Liu, et al., *CWSN'20*, Dunhuang, September, 18-21, 2020.
3. Design and Implementation of a Fog Computing Based Collision Warning System in VANETs, **Xincao Xu**, Kai Liu, Ke Xiao, et al., *IEEE ISPCE-CN'18*, Hong Kong/Shengzhen, December 5-7, 2018.
4. Real-time Task Offloading for Data and Computation Intensive Services in Vehicular Fog Computing Environments, Chunhui Liu, Kai Liu, **Xincao Xu**, et al., *IEEE MSN'20*, Tokyo, December 17-19, 2020.
5. Multi-period Distributed Delay-sensitive Tasks Offloading in a Two-layer Vehicular Fog Computing Architecture, Yi Zhou, Kai Liu, **Xincao Xu**, et al., *NCAA'20*, Shenzhen, July 3-6, 2020.
6. Distributed Scheduling for Time-Critical Tasks in a Two-layer Vehicular Fog Computing Architecture, Yi Zhou, Kai Liu, **Xincao Xu**, et al., *IEEE CCNC'20*, Las Vegas, January 11-14, 2020.

发明专利

1. 一种针对软件定义车联网的控制平面视图构建方法, **许新操**, 刘凯, 李东, 2021105918221, 已授权。
2. 一种基于边缘计算的盲区车辆碰撞预警方法, 刘凯, 张浪, **许新操**, 任华玲, 周易, ZL201910418745.2。
3. 一种基于雾计算的信息采集、计算、传输架构, 任华玲, 刘凯, 陈梦良, 周易, **许新操**, ZL201910146357.3。

专业技能

- 算法：多智能体强化学习、博弈论、凸优化、排队论等
- 代码：Python、C++、Matlab、PyTorch/TensorFlow、Git 等

奖励荣誉

- 最佳论文奖，IEEE International Symposium on Product Compliance Engineering-Asia 2018
- 最佳论文候选，第十四届中国物联网学术会议 (CWSN’20), 2020