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EXPERIENCE

HK Polytechnic University	2021–NOW	Postdoctoral Researcher Department of Computing (COMP) Project: Federated Learning over Mobile Edge Networks Host: Prof. Song Guo, Associate Head of Department, IEEE Fellow
Queen Mary University, London	2018–2019	Visiting Researcher School of Electronic Engineering and Computer Science (EECS) Host: Prof. Steve Uhlig, Head of School

EDUCATION

Dalian University of Technology	2016–2020	PhD, Computer Technology Application College of Computer Science and Technology Thesis: Research on Techniques of Performance Guarantee for Software Defined Network Function Virtualization System Advisor: Prof. Keqiu Li, Head of College, Tianjin University
Dalian University of Technology	2014–2017	MEng, Computer Systems Organization College of Computer Science and Technology Thesis: Research on Request Dispatching for Multi-Controllers in Software-Defined Networking
Dalian Maritime University	2010–2014	BE, Software Engineering College of Information Science and Technology Recommended and Exam-exempted Postgraduate

PROFESSIONAL ACTIVITIES

2020.10	PC Member for IEEE ICPADS Workshop on Network Computing and Data Management (NCDM).
2019.12	Session Chair for IEEE International Conference on Parallel and Distributed Systems (ICPADS).

SELECTED PUBLICATIONS

[1] **Junxiao Wang**, Heng Qi, Keqiu Li, Xiaobo Zhou. “PRSFC-IoT: A Performance and Resource Aware Orchestration System of Service Function Chaining for Internet of Things”. IEEE Internet of Things Journal, 2018.

- [Impact Factor: 9.936, Discipline: Computer Science-Computer Networks and Communications, Journal Ranking: JCR Q1, 11/307]
- [2] **Junxiao Wang**, Heng Qi, Yang He, Wenxin Li, Keqiu Li. "FlowTracer: An Effective Flow Trajectory Detection Solution Based on Probabilistic Packet Tagging in SDN-Enabled Networks". IEEE Transactions on Network and Service Management, 2019.
[Impact Factor: 3.878, Discipline: Computer Science-Computer Networks and Communications, Journal Ranking: JCR Q1, 23/307]
- [3] **Junxiao Wang**, Heng Qi, Keqiu Li, Steve Uhlig. "Click-UP: Towards the Software Upgrade of Click based Modular Network Function". IEEE Systems Journal, 2020.
[Impact Factor 3.987, Discipline: Engineering-Computer Networks and Communications, Journal Ranking: JCR Q1, 36/307]
- [4] Heng Qi, **Junxiao Wang**, Wenxin Li, Yuxin Wang, Tie Qiu. "A Blockchain-driven IIoT Traffic Classification Service for Edge Computing". IEEE Internet of Things Journal, 2020.
[Impact Factor: 9.936, Discipline: Computer Science-Computer Networks and Communications, Journal Ranking: JCR Q1, 11/307]
- [5] **Junxiao Wang**, Heng Qi, Wenxin Li, Keqiu Li, Steve Uhlig, Yuxin Wang. "Dynamic SDN Control Plane Request Assignment in NFV Datacenters". IEEE Transactions on Network Science and Engineering, 2021.
[Impact Factor: 5.213, Discipline: Engineering-Computer Networks and Communications, Journal Ranking: JCR Q1, 76/307]

FULL LIST OF PUBLICATIONS

- [Journal] **Junxiao Wang**, Heng Qi, Wenxin Li, Keqiu Li, Steve Uhlig, Yuxin Wang. "Dynamic SDN Control Plane Request Assignment in NFV Datacenters". IEEE Transactions on Network Science and Engineering, 2021.
- Heng Qi, **Junxiao Wang**, Wenxin Li, Yuxin Wang, Tie Qiu. "A Blockchain-driven IIoT Traffic Classification Service for Edge Computing". IEEE Internet of Things Journal, 2020.
- Junxiao Wang**, Heng Qi, Keqiu Li, Steve Uhlig. "Click-UP: Towards the Software Upgrade of Click based Modular Network Function". IEEE Systems Journal, 2020.
- Xinping Xu, Wenxin Li, Heng Qi, **Junxiao Wang**, Keqiu Li. "Latency-Constrained Cost-Minimized Request Allocation for Geo-distributed Cloud Services". IEEE Open Journal of the Communications Society, 2020.
[Contributed to the process of building and polishing innovation points]
- Junxiao Wang**, Heng Qi, Yang He, Wenxin Li, Keqiu Li. "FlowTracer: An Effective Flow Trajectory Detection Solution Based on Probabilistic Packet Tagging in SDN-Enabled Networks". IEEE Transactions on Network and Service Management, 2019.
- Junxiao Wang**, Heng Qi, Keqiu Li, Xiaobo Zhou. "PRSFC-IoT: A Performance and Resource Aware Orchestration System of Service Function Chaining for Internet of Things". IEEE Internet of Things Journal, 2018.

- [Conference] Keyan Zhao, **Junxiao Wang**, Heng Qi, Xin Xie, Keqiu Li. "HBL-Sketch: A New

Three-tier Sketch for Accurate Network Measurement". International Conference on Algorithms and Architectures for Parallel Processing, 2019.

Wanqian Zhang, **Junxiao Wang**, Sheng Chen, Heng Qi, Keqiu Li. "A Framework for Resource-aware Online Traffic Classification Using CNN". International Conference on Future Internet Technologies, 2019.

Wenrui Zhou, Yuan Cao, Heng Qi, **Junxiao Wang**. "An Effective Network Intrusion Detection Framework Based on Learning to Hash". IEEE International Conference on Smart Internet of Things, 2019.

[Contributed to the process of building and polishing innovation points]

Junxiao Wang, Yuchen Huang, Heng Qi, Keqiu Li, Steve Uhlig. "CLICK-UP: Towards Software Upgrades of Click-driven Stateful Network Element". ACM SIGCOMM Conference Demo, 2018.