



# JUNXIAO WANG

## CONTACT

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## EDUCATION

	2016–now	Ph.D. candidate
Dalian University of Technology	Department of Electronic Information and Electrical Engineering, Research Topics: Federated Machine Learning, Future Network Architecture, Cloud Advisor: Prof. Keqiu Li	
	2014–2017	M.Eng.
Dalian University of Technology	Department of Electronic Information and Electrical Engineering Advisor: Prof. Keqiu Li	
	2010–2014	B.Eng.
Dalian Maritime University	Department 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).
2018.10-2019.10	Visiting Researcher, working with Prof. Steve Uhlig, Head of the Networks Research Group at Queen Mary, University of London.

## 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] 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.
- [5] 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.

#### FULL LIST OF PUBLICATIONS

[Journal] **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.