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Experience

- **Shandong Computer Science Center, Ji'nan, China** 2024.12-Now
Associate Researcher
Shandong Provincial Key Laboratory of Computer Networks
- **Shandong Computer Science Center, Ji'nan, China** 2022.07-2024.12
Assistant Research Fellow
Shandong Provincial Key Laboratory of Computer Networks
- **ByteDance, Beijing, China** 2021.04-2022.06
Research Intern
Highspeed Network & RDMA Group
Advisor: Jianxi Ye & Dr. Zhuo Jiang

Education

- **Beijing Jiaotong University, Beijing, China** 2017.09-2022.06
Ph.D. in Communication and Information System at National Engineering Research Center of Advanced Network Technologies
Advisor: Prof. Wei Su
Thesis Topic: Research on Data Plane Resource Management and Control Mechanism of Software Defined Data Center Networking
- **Shandong Normal University, Ji'nan, China** 2013.09-2017.06
B.E. in Communication Engineering
Advisor: Dr. Hui Ji
Thesis Topic: Research of MIMO Channel Capacity

Research Interest

Software-defined Network, Data Center Network

Publications

- [1] **Lizhuang Tan**, Wei Su, Wei Zhang, Jianhui Lv, Zhenyi Zhang, Jingying Miao, Xiaoxi Liu, Na Li. In-band network telemetry: A survey. *Computer Networks*, 2021, 186: 107763.
- [2] **Lizhuang Tan**, Wei Su, Wei Zhang, Huiling Shi, Jingying Miao, Manzaneres-Lopez Pilar. A Packet Loss Monitoring System for In-band Network Telemetry: Detection, Localization, Diagnosis and Recovery. *IEEE Transactions on Network Science and Management*, 2021, 18(4): 4151-4168.
- [3] **Lizhuang Tan**, Wei Su, Jingying Miao, Wei Zhang. FindINT: Detect and Locate the Lost In-band Network Telemetry Packet. *IEEE Networking Letters*, 2021, 4(1): 20-24.
- [4] **Lizhuang Tan**, Wei Su, Shuai Gao, Jingying Miao, Yuan Cheng, Peng Cheng. Path-flow matching: Two-sided matching and multiobjective evolutionary algorithm for traffic scheduling in cloud data center network. *Transactions on Emerging Telecommunications Technologies*. 2022, 33(8): e3809. (Cover Paper)
- [5] **Lizhuang Tan**, Wei Su, Yanwen Liu, Xiaochuan Gao, Wei Zhang. DCQUIC: Flexible and Reliable

- Software-defined Data Center Transport. *INFOCOM'21 ICCN*. 2021: 1-8.
- [6] **Lizhuang Tan**, Wei Su, Xiaochuan Gao, Wei Zhang. OpenQUIC: software-defined transmission like building blocks. *CoNEXT*, ACM, 2020: 526-527.
 - [7] **Lizhuang Tan**, Wei Su, Yanwen Liu, Xiaochuan Gao, Na Li, Wei Zhang. Proactive connection migration in QUIC. *MobiQuitou*. ACM, 2020: 476-481.
 - [8] Kefei Liu, Zhuo Jiang, Jiao Zhang, Haoran Wei, Xiaolong Zhong, **Lizhuang Tan**, Tian Pan, Tao Huang. Hostping: Diagnosing intra-host network bottlenecks in RDMA servers. *NSDI*. 2023: 15-29.
 - [9] Yanwen Liu, Wei Su, **Lizhuang Tan***. Tetris: Near-optimal Scheduling for Multi-path Deadline-aware Transport Protocol. *NaNA*. IEEE, 2021: 34-40. (Best Paper Award)
 - [10] Zhenyi Zhang, Wei Su, **Lizhuang Tan***. In-band network telemetry task orchestration based on multi-objective optimization[C]. *APNOMS*. IEEE, 2021: 354-357.

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<https://scholar.google.com/citations?user=knsgQNIAAAAJ>.