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**Experience**

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| * **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**

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| * **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**

Sofeware-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, Manzanares-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.

More publications, please visit Google Scholar:

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