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Experience

- **Shandong Computer Science Center, Ji'nan, China** 2022.07 - Now
  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

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.