

EDUCATION	University of Science and Technology of China <i>Ph.D. in Computer Science</i> • Advisor: Prof. Guoliang Chen and Prof. Haisheng Tan • Research area: Data Stream System, Edge Computing and Machine Learning System Central South University <i>B.E. in Computer Science</i> • Advisor: Prof. Anfeng Liu	Hefei, China 2020 - 2026 (<i>expected</i>) Changsha, China 2016 - 2020
PUBLICATIONS	<ol style="list-style-type: none">1. Guopeng Li, Haisheng Tan, Xuan Zhang, Chi Zhang, Ruiting Zhou, Zhenhua Han, Guoliang Chen. Online Container Caching with Late-Warm for IoT Data Processing. <i>IEEE International Conference on Data Engineering (IEEE ICDE)</i>, 2024.2. Guopeng Li, Haisheng Tan, Liuyan Liu, Hao Zhou, Shaofeng H.-C. Jiang, Zhenhua Han, Xiang-Yang Li, Guoliang Chen. DAG Scheduling in Mobile Edge Computing. <i>ACM Transactions on Sensor Networks</i>, 2023.3. Guopeng Li, Ruiqi Wu, Haisheng Tan, Guoliang Chen. DA Plan Reuse Mechanism for LLM-Driven Agent. <i>Journal of Computer Research and Development</i>, 2024.4. Guopeng Li, Chi Zhang, Hongqiu Ni, Haisheng Tan. Online File Caching on Multiple Caches in Latency-Sensitive Systems. <i>International Conference on Computational Data and Social Networks (CSoNet)</i>, 2022, invited paper.5. Haisheng Tan, Guopeng Li, Ziyu Shen, Zihe Wang, Zhenhua Han, Mingjun Xiao, Xiang-Yang Li, Guoliang Chen. Edge-Centric Pricing Mechanisms with Selfish Heterogeneous Users. <i>Journal of Computer Science and Technology</i>, accepted.6. Chi Zhang, Haisheng Tan, Guopeng Li, Zhenhua Han, Shaofeng H.-C. Jiang, Xiang-Yang Li. Online File Caching in Latency-Sensitive Systems with Delayed Hits and Bypassing. <i>IEEE International Conference on Computer Communications (IEEE INFOCOM)</i>, 2022.7. Chi Zhang, Haisheng Tan, Haoqiang Huang, Zhenhua Han, Shaofeng H.-C. Jiang, Guopeng Li, Xiang-Yang Li. Online Approximation Scheme for Scheduling Heterogeneous Utility Jobs in Edge Computing. <i>IEEE/ACM Transactions on Networking</i>, 2023.	
SERVICES	Shadow TPC of: ACM CoNEXT 2025 Reviewers for: ACM KDD 2025 Reviewers for: CogSci 2025 Reviewers (Prof. Haisheng Tan, with my assistance) for: IEEE INFOCOM 2023-2025, IEEE ICNP 2024, IEEE ICDCS 2024, IEEE/ACM IWQoS 2024, IEEE EDGE 2023, Journal of Computer Science and Technology Volunteer for: ACM TURC, 2021	
AWARDS AND HONORS	<ul style="list-style-type: none">• First Prize, University of Science and Technology of China 2020-2024• JiaoLong Scholarship, University of Science and Technology of China 2024.11• Jianghuai-NIO Scholarship, University of Science and Technology of China 2024.11	

Support letter for Guopeng Li's Application to VLDB 2026 Shadow PC

To the VLDB 2026 Shadow PC Committee:

I am writing to recommend my doctoral student, Guopeng Li, for the VLDB 2026 Shadow Program Committee. As his advisor at the University of Science and Technology of China, I have closely supervised his research and professional development. I believe his technical background and reviewing experience align well with the Shadow PC's goals.

Guopeng has consistently demonstrated research rigor in data management systems. His first-authored paper at IEEE ICDE 2024 proposed a novel container caching framework for IoT data processing, addressing real-world scalability challenges.

Guopeng has actively engaged in peer review, serving as a Shadow TPC member for ACM CoNEXT 2025 and reviewing for ACM KDD 2025 and CogSci 2025. Additionally, he has assisted me in reviewing submissions for IEEE INFOCOM, ICDCS, and other conferences, gaining familiarity with technical evaluation processes and ethical guidelines. These experiences have equipped him to write constructive reviews while adhering to confidentiality standards.

The VLDB Shadow PC offers an ideal opportunity for Guopeng to deepen his understanding of data management research standards. While he has published in venues like ICDE and CSoNet, he has not yet served on a data management PC—a key criterion for this program. His proactive approach to learning and track record of contributing to academic service make him a strong candidate to benefit from this mentorship-oriented initiative.

I am confident that Guopeng will engage thoughtfully in the Shadow PC process and grow into a responsible contributor to the data management community. Please feel free to contact me for further details.

Sincerely,

Haisheng Tan

Professor, University of Science and Technology of China