



Fei Li, PhD

Associate Professor, Department of Computer Science
Affiliate Member, The Quantum Science and Engineering Center (QSEC)

Education

PhD, Computer Science, Columbia University

Key Interests

Online Algorithms | Approximation Algorithms | Scheduling Algorithms

CONTACT

Phone: 703-993-1540 | Email: fli4@gmu.edu

Website: <https://cs.gmu.edu/~lifei/>

SELECT PUBLICATIONS

- › M. Böhm *et al.*, Online packet scheduling with bounded delay and lookahead. *Theoretical Computer Science*, 776, 95-113 (2019).
- › M. Chrobak *et al.*, A greedy approximation algorithm for minimum-gap scheduling. *Journal of Scheduling*, 20(3), 279-292 (2017).
- › F. Li. A near-optimal memoryless online algorithm for FIFO buffering two packet classes. *Theoretical Computer Science*, 497, 164-172 (2013).
- › L. Jež *et al.*, Online scheduling of packets with agreeable deadlines, *ACM Transactions on Algorithms*, Article No. 5, (2012).

Research Focus

I am designing online scheduling algorithms and analyzing their competitive performance. One example of online problems is to schedule servers to serve the requests, which are arriving in an online manner, in order to optimize some objectives.

Current Projects

- Online Algorithms for server-related problems.