Zhiyuan Wang

(Updated: December 6, 2019)

Phone: (852) 6557-4107 wangzyin2019@hotmail.com
WeChat: seuwangzhiyuan https://wang-zhi-yuan.github.io

Professional Experience

- **Post-Doctoral Fellow** *Oct. 2019 - Present*
  - *Computer Science & Engineering, The Chinese University of Hong Kong*
  - *Advisor: John C.S. Lui (ACM Fellow, IEEE Fellow)*

Education Experience

- **The Chinese University of Hong Kong**, Hong Kong *Aug. 2016 - Sept. 2019*
  - *Ph.D., Information Engineering (Graduate advance)*
  - *Advisor: Jianwei Huang (IEEE Fellow)*
- ***Southeast University**, Nanjing* *Aug. 2012 - June 2016*
  - *B.E., Information Engineering (GPA:3.9/4.0, Ranking: 1/243)*
  - *Excellent Graduate Student Award*

Research Interests

- Mobile computing and edge computing
- On-line learning and optimization
- Network economics and game theory

Awards & Honors

- Best In-Session Presentation Award, IEEE INFOCOM, 2019
- Student Travel Grant
  - ACM MobiHoc 2018, IEEE WiOpt 2018
- Best Student Presentation Award NCEL Spring Workshop, 2018, 2019
- **Hong Kong PhD Fellowship** 08/2016 - 09/2019
  - One of the 231 awardees in 2016/17
- **National Scholarship** China, 2013 - 2014
- **Baosteel Fellowship** Baosteel, 12/2015
  - One of the 25 award winners in mainland China (only 5 undergraduates)
- **Person of the Year Finalist** in Jiangsu Province China, 5/2016
- The Most Influential Graduate Student Award Southeast University, 6/2016
- Excellent Graduate Student Award Southeast University, 6/2016
- Excellent Academic Performance Award 2012-2013 & 2013-2014
  - GPA Top 3%, 6 out of 243.
- Meritorious Winner of the Interdisciplinary Contest in Modeling (ICM) COMAP, 4/2014

Publications

- **Conference Papers**

[C1] **Z. Wang**, L. Gao, and J. Huang, "Travel with Your Mobile Data Plan: A Location-Flexible Data Service", *IEEE International Conference on Computer Communications (**INFOCOM**)*, Beijing, China, April 27-30, 2020 (acceptance rate 19.8%, CCF A)

[C2] **Z. Wang**, L. Gao, J. Huang, and B. Shou "Economic Viability of Data Trading with Rollover," *IEEE International Conference on Computer Communications (**INFOCOM**)*, Paris, France, 29 April - 2 May, 2019 (acceptance rate 19.7%, CCF A)

[C3] **Z. Wang**, L. Gao, and J. Huang, "Multi-Dimensional Contract Design for Mobile Data Plan with Time Flexibility," *ACM International Symposium on Mobile Ad Hoc Networking and Computing (**MobiHoc**)*, Los Angeles, CA, USA, June 26-29, 2018 (acceptance rate 16.9%, CCF B)

[C4] **Z. Wang**, L. Gao, and J. Huang, "Pricing Competition of Rollover Data Plan," *International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt)*, Shanghai, China, May 7-11, 2018.

[C5] **Z. Wang**, L. Gao, and J. Huang, "A Contract-Theoretic Design of Mobile Data Plan with Time Flexibility," *ACM Workshop on the Economics of Networks, Systems and Computation (NetEcon)* (in conjunction with ACM EC), MIT, Cambridge, MA, USA, June 27, 2017.

[C6] **Z. Wang**, L. Gao, and J. Huang, "Pricing Optimization of Rollover Data Plan," *International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt)*, Paris, France, May 15-19, 2017.

- **Journal Papers**

[J1] **Z. Wang**, L. Gao, J. Huang, and B. Shou, "Towards Flexible Wireless Data Services," to appear in *IEEE Communication Magazine*, 2019 (IF: 10.356).

[J2] **Z. Wang**, L. Gao, and J. Huang, "Multi-Cap Optimization for Wireless Data Plans with Time Flexibility," *IEEE Transactions on Mobile Computing (**TMC**)*, May, 2019. (IF: 4.098, CCF A)

[J3] **Z. Wang**, L. Gao, and J. Huang, "Duopoly Competition for Mobile Data Plans with Time Flexibility," *IEEE Transactions on Mobile Computing (**TMC**)*, March, 2019. (IF: 4.098, CCF A)

[J4] **Z. Wang**, L. Gao, and J. Huang, "Exploring Time Flexibility in Wireless Data Plans," *IEEE Transactions on Mobile Computing (**TMC**)*, September, 2018. (IF: 4.098, CCF A)

- **Submitted & Working Papers**

[S1] **Z. Wang**, L. Gao, T. Wang, and J. Luo, "Monetizing Edge Computing Service in Mobile Internet Ecosystem", *IEEE Transactions on Mobile Computing (**TMC**)*, under review.

[S2] **Z. Wang**, L. Gao, J. Huang, and B. Shou, "Rolling and Trading: Use Flexible Mobile Data Services to Tackle Demand Uncertainty," to be submitted to *Management Science*.

Professional Activities

- **Technical Program Committee (TPC) Members**
  - IEEE International Conference on Communications (ICC), Mobile and Wireless Networks Symposium, June 2020
  - International Conference on Computer Communications and Networks (ICCCN), Cognitive, Ad Hoc, Mobile, and Mesh Networks track, August 2020.
- **Technical Review**

- IEEE Journal on Selected Areas in Communications (JSAC)
- IEEE Transactions on Mobile Computing (TMC)
- IEEE Communications Letters
- IEEE International Conference on Computer Communications (INFOCOM)
- IEEE International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)
- IEEE Wireless Communications and Networking Conference (WCNC)