

Zhiyuan Wang

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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

- **Research Field & Applications**

- Mobile computing, edge computing
- Network economics, Crowd-learning, Internet of Things (IoT)

- **Major Methodologies**

- On-line optimization and bandit learning
- Stochastic modeling, Mean field analysis
- Game theory, Contract theory, Incentive mechanism design

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, and J. Huang, “Location-Flexible Mobile Data Service in Overseas Market,” *IEEE Transactions on Mobile Computing (TMC)*, May, 2019. (IF: 4.474, **CCF A**)
- [J2] **Z. Wang**, L. Gao, J. Huang, and B. Shou, “Towards Flexible Wireless Data Services,” *IEEE Communication Magazine*, vol. 57, no. 12, pp. 25-30, December, 2019 (IF: 10.356).
- [J3] **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: 4.474, **CCF A**)
- [J4] **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: 4.474, **CCF A**)
- [J5] **Z. Wang**, L. Gao, and J. Huang, “Exploring Time Flexibility in Wireless Data Plans,” *IEEE Transactions on Mobile Computing (TMC)*, September, 2018. (IF: 4.474, **CCF A**)

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 Transactions on Cognitive Communications and Networking (TCCN)
- 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 International Conference on Communications (ICC)
- IEEE Wireless Communications and Networking Conference (WCNC)