

# Zhiyuan Wang

(Updated: November 4, 2019)

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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** Aug. 2016 - Sept. 2019
  - Ph.D., Information Engineering (Graduate advance)
  - Advisor: Jianwei Huang (IEEE Fellow)
- **Southeast University** 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, 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](#))
- [C2] **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](#))
- [C3] **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.
- [C4] **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.
- [C5] **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)*, 2019. (IF: 4.098, [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 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)