

# Zhiyuan Wang

(Updated: June 5, 2019)

Department of Information Engineering  
The Chinese University of Hong Kong

Phone: (852) 6557-4107  
Email: wz016@ie.cuhk.edu.hk

## EDUCATION

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

## MAIN RESEAH INTERESTS

- Mobile computing and network management
- Fog computing, edge computing, IoT
- Network economics and Game Theory
- On-line learning and optimization

## AWARDS AND HONORS

- Student Travel Grant  
– ACM MobiHoc 2018, IEEE WiOpt 2018
- Best Student Presentation Award NCEL Spring Workshop, 2018
- Best Student Presentation Award NCEL Spring Workshop, 2019
- **Hong Kong PhD Fellowship** 08/2016 - Present  
– The Highest Honor for a PhD Student in Hong Kong
- **National Scholarship** (selection ratio 2%) 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)* (acceptance rate 19.7%), Paris, France, 29 April - 2 May, 2019.
- [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)* (acceptance rate 16.9%), Los Angeles, CA, USA, June 26-29, 2018.
- [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, and J. Huang, “Multi-Cap Optimization for Wireless Data Plans with Time Flexibility,” to appear in *IEEE Transactions on Mobile Computing (TMC)*, May, 2019.
- [J2] **Z. Wang**, L. Gao, and J. Huang, “Duopoly Competition for Mobile Data Plans with Time Flexibility,” to appear in *IEEE Transactions on Mobile Computing (TMC)*, March, 2019.
- [J3] **Z. Wang**, L. Gao, and J. Huang, “Exploring Time Flexibility in Wireless Data Plans,” to appear in *IEEE Transactions on Mobile Computing (TMC)*, September, 2018.

#### • Submitted Papers

- [S1] **Z. Wang**, L. Gao, J. Huang, and B. Shou, “Towards Flexible Wireless Data Services,” submitted to *IEEE Communication Magazine*.

### Patents

- Z. Qin, Z. Yang, **Z. Wang**, F. Wu, Q. Xu, Y. You and Y. Wu, “Method for Detecting Android Malicious Software based on Program Flow Chart”, P.R. China patent, No. CN104021346B.

### Technical Reviewers

#### • Journals

- IEEE Journal on Selected Areas in Communications (JSAC)
- IEEE Transactions on Mobile Computing (TMC)
- IEEE Communications Letters

#### • Conferences

- IEEE International Conference on Computer Communications (INFOCOM)
- International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)
- IEEE Wireless Communications and Networking Conference (WCNC)