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 filed 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, 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)

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)