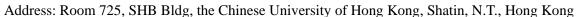
# **Suiming Guo**

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**Education** 

Aug, 2013- Present

PhD Candidate, Department of Information Engineering The Chinese University of Hong Kong, Hong Kong Supervisor: Prof. Dah Ming Chiu

香港中文大學 The Chinese University of Hong Kong

Aug, 2011- July, 2013

M. Sc, Department of Electronic Engineering
Tsinghua University, Beijing
Supervisor: Prof. Xing Li

Sep, 2007 – July, 2011

B. Eng, Department of Electronic Engineering, Tsinghua University, Beijing **GPA**: 91.0 **Ranking**: 15/260

Aug, 2009 - Dec, 2009

Visiting Student, Department of Electrical and Computer Engineering University of Toronto, Canada

**GPA**: 4.0 (All A+)

## **Publications**

### (1) Dynamic Pricing in Ride-on-demand Service:

- Suiming Guo, Chao Chen, Yaxiao Liu, Ke Xu, Dah Ming Chiu, It Can be Cheaper: Using Price Prediction
  to Obtain Better Prices from Dynamic Pricing in Ride-on-demand Services, in 14<sup>th</sup> Annual International
  Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2017)
  (accepted), Melbourne, Australia.
- 2. <u>Suiming Guo</u>, Chao Chen, Yaxiao Liu, Ke Xu, Dah Ming Chiu, *Modelling Passengers' Reaction to Dynamic Prices in Ride-on-demand Services: A Search for the Best Fare*, submitted to Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (under major revision).
- 3. <u>Suiming Guo</u>, Yaxiao Liu, Ke Xu, Dah Ming Chiu, *Understanding Passenger Reaction to Dynamic Prices in Ride-on-demand Service*, in 2017 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), Hawaii, USA, 2017.
- 4. <u>Suiming Guo</u>, Yaxiao Liu, Ke Xu, Dah Ming Chiu, *Understanding Ride-on-demand Service: Demand and Dynamic Pricing*, in 2017 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), Hawaii, USA, 2017.

## (2) Content Delivery to Smart Homes:

- Suiming Guo, Liang Chen, Dah Ming Chiu, An Incentive-based Mixed QoE Framework for Content Delivery to Smart Homes, in 26<sup>th</sup> International Conference on Computer Communications and Networks (ICCCN 2017), Vancouver, Canada, 2017.
- 6. <u>Suiming Guo</u>, Liang Chen, Dah Ming Chiu, *DST: Leveraging Delay-insensitive Workload in Cloud Storage for Smart Home Network*, in 24<sup>th</sup> International Conference on Computer Communications and Networks (ICCCN 2015), Las Vegas, USA, 2015.
- 7. Liang Chen, <u>Suiming Guo</u>, Guoqiang Zhang, *Distributing Very-large Content from Cloud to Smart Home Hubs: Measurement and Implications*, in The 2015 IEEE International Conference on Communications (ICC 2015).
- 8. Suiming Guo, Liang Chen, Guoqiang Zhang, Dah Ming Chiu, Batching for Smart Home: Leveraging

*Delay-insensitive Workload in Cloud Storage*, in 7<sup>th</sup> International Conference on COMmunication Systems & NETworkS (COMSNETS 2015), Bangalore, India, 2015.

- (3) Scalable, Standard-definition, Low-latency Video Conferencing Systems:
  - 9. <u>Suiming Guo</u>, Congxiao Bao, Xing Li, *Scalable Distributed Standard Definition Video Conferencing System: Architecture and Forwarding Model*, in 2012 National Conference on Information Technology and Computer Science (EI Indexed).
  - 10. 李星, <u>郭穗鸣</u>, 包丛笑, *可扩展分布式标清视频会议系统: 结构和转发模型*, 清华大学学报: 自然科学版 52(9), pp 1275—1280, 2012.

#### **Awards**

- 1. 2013-2016: Hong Kong PhD Fellowship (HKPFS) (Only 185 awardees out of 4785 applicants around all Hong Kong universities.)
- 2. 2011-2012: First Class Scholarship for All-round Performance, Tsinghua University (Top 1%.)
- 3. 2008-2009: First Class Scholarship for Academic Performance, Tsinghua University (Top 5%)
- 4. 2009-2010: First Class Scholarship for Academic Performance, Tsinghua University (Top 5%)
- 5. 2010'Honorable Mention Award, MCM (Mathematical Contest in Modeling)
- 6. 2006' Silver Medal, China Physics Olympic (CPhO)

#### **Interns**

- 1. Software Development Engineer Intern in *Microsoft Asia & Pacific Research Development Group (Beijing)*, *January 2012 June 2012*.
  - a) Worked as a member of the Exchange Manageability Team of Microsoft Office Division.
  - b) Engaged in improving code coverage of the product and helped in the perfection of the unit-test framework. Wrote test cases to test and guarantee the quality of the product.
  - c) Engaged in bug testing and fixing of the product.
  - d) Extended the product test infrastructure to support "debug mode", facilitating the debug process of both developers and tester.
- 2. Software Development Engineer Intern in *China Education & Research Network (CERNET, Beijing)*, *April* 2012 August 2012.
  - a) Responsible for the research and development of DVTS+ (*Digital Video Transport System Plus*, a multi-point standard-definition video conferencing system).
  - b) Designed the architecture and implemented a new version of DVTS+, *the Distributed DVTS*+, supporting more than one video stream transmitters and increasing system scalability and capacity.
  - c) Improved the GUI of the existing DVTS+ and added new functionality to the system.
- 3. Software Development Engineer Intern in Shenzhou UCar Inc. (Beijing), February 2016 March 2016.
  - a) Responsible for the data collection and data analysis of Shenzhou UCar's ride-on-demand service, including the data of orders, GPS trajectories, payment and event-logs.
  - b) Responsible for the study on ride-on-demand service, including data analysis, demand and dynamic pricing, passengers' behavior, etc.
  - c) Engaged in the study about applying different schemes to influence drivers' behavior to improve service efficiency.