CURRICULUM VITAE

Changkun Jiang

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Professional Summary

- Six years' research experience on network optimization and economics, game theory and mechanism design, and distributed algorithms design.

- Good record of academic publication, with papers published on or submitted to top journals and conferences.

- Creativity, passionate commitment, and strong skills in engineering, which are demonstrated not only in academic research, but also in several application-level projects.

Education

- **The Chinese University of Hong Kong**　　　　　　　　　　Shatin, HK, China
  Ph.D. Student, Department of Information Engineering　　　*Aug. 2012 - Present*
  - Advisor: Prof. Jianwei Huang (IEEE Fellow)
  - Courses: Optimization, Advanced Microeconomics, Game Theory, Stochastic Control, Optimization in Networks and Systems

- **University of Chinese Academy of Sciences**　　　　　　　Beijing, China
  M.Engr. Student, Institute of Electronics (GPA: 91/100)　　*Aug. 2011 - July 2012*
  - Courses: Functional Analysis, Modern Algebra, Operations Research, Information Theory & Coding, Mobile Commun. & Wireless Networks, Machine Learning, Pattern Recognition

- **Jilin University**　　　　　　　　　　　　　　　　　　　Changchun, China
  B.Engr., Electronic Information Engineering (GPA: 93/100, Ranking: 1/122)　*Sept. 2007 - June 2011*

Professional Experiences

- **Singapore University of Technology and Design**　　　　　Singapore
  Visiting Ph.D. Student, Engineering Systems and Design Pillar　*May 2013 - Aug. 2013*
- **Institute of Electronics, Chinese Academy of Sciences**　　Beijing, China
  Research Assistant, Geo-Spatial Systems Design Lab　　　*Feb. 2011 - June 2011*

Main Research Interests

- Wireless Networking and Mobile Computing
- Network Optimization and Economics
- Learning and Distributed Algorithms Design

Selected Awards

- Best Student Presentation, Network Communications and Economics Lab, CUHK, Nov. 2016

- Student Travel Grant, IEEE GLOBECOM 2016, Oct. 2016

- Student Travel Grant, IEEE GLOBECOM 2015, Sept. 2015

- Exemplary Research Student, IE Department, CUHK, Aug. 2013

- Postgraduate Studentship, CUHK, 2012-2016

- Postgraduate Scholarship, UCAS, 2011-2012

- National Scholarship for Overall Excellence & Excellent Student, 2007-2011

- Excellent Graduate, June 2011

- Excellent Final Year Project, June 2011

Teaching Experiences

- **Teaching Assistant**
  - ENGG2430B: Probability and Statistics for Engineers (2016)
  - IERG4080: Building Scalable Internet-based Services (2015)
  - ENGG2430D: Probability and Statistics for Engineers (2015)
  - ENGG2420E: Complex Analysis and Differential Equations (2014)
  - ENGG2430D: Engineering Mathematics III (2014)
  - ENGG2420F: Engineering Mathematics II (2013)
  - ENGG2020: Digital Logic and Systems (2013)
  - ENGG2420: Advanced Engineering Mathematics (2012)

Publications

- **Journal Publications and Preprints**
  1. **C. Jiang**, L. Duan, and J. Huang, "Optimal Pricing and Admission Control for Heterogeneous Secondary Users," *IEEE Transactions on Wireless Communications*, vol. 15, no. 8, pp. 5218-5230, August 2016.
  2. **C. Jiang**, L. Gao, L. Duan, and J. Huang, "Scalable Mobile Crowdsensing via Peer-to-Peer Data Sharing," under revision at *IEEE Transactions on Mobile Computing*, 2016.
  3. **C. Jiang**, L. Gao, L. Duan, and J. Huang, "On Data-Centric Mobile Crowdsensing: Models, Analysis, and Incentive Mechanism Design," submitted to *IEEE Transactions on Mobile Computing*, 2017.

- **Conference Publications and Preprints**
  1. **C. Jiang**, L. Duan, and J. Huang, "Joint Spectrum Pricing and Admission Control for Heterogeneous Secondary Users," *12th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)*, Hammamet, Tunisia, May 2014.

2. **C. Jiang**, L. Gao, L. Duan, and J. Huang, "Economics of Peer-to-Peer Mobile Crowdsensing," *IEEE GLOBECOM 2015*, San Diego, CA, USA, December 2015.
3. **C. Jiang**, L. Gao, L. Duan, and J. Huang, "Exploiting Data Reuse in Mobile Crowdsensing," *IEEE GLOBECOM 2016*, Washington, DC, USA, December 2016.
4. **C. Jiang**, L. Gao, L. Duan, and J. Huang, "Game Theoretic Analysis of Mobile Crowdsourced Caching Market," under submission, 2017.

Professional Activities

- **Professional Society**
  - Student Member, IEEE and IEEE Communications Society

- **Technical Reviewer**
  - *Journal*: IEEE JSAC, IEEE TCOM, IEEE TMC
  - *Conference*: IEEE ICCVE, IEEE ICC, IEEE APCC, IEEE SmartGridComm, IEEE MASS

Computer Skills

- **Computer Skills**
  - National Computer Rank Examination Grade-2: C Programming (Certificate, 2009)
  - National Computer Rank Examination Grade-4: Network Engineer (Certificate, 2010)
  - C/C++, MATLAB, and Python

- **Editing Tools**
  - Latex, Microsoft Office, iWork