

Jian Lin

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EDUCATION

Colorado School of Mines, Golden, Colorado, USA

- Doctor of Philosophy (Ph.D.) Candidate in Computer Science Aug 2014 – Present
 - Adviser: Professor Dejun Yang
 - Research interests: Algorithmic Game Theory, Incentive Mechanism Design, Networks, Crowdsourcing.

Southwest Jiaotong University, Chengdu, Sichuan, China

- Master of Science (M.S.) in Computer Application Sep 2011 – Jun 2014
- Bachelor of Science (B.S.) in Computer Science Sep 2007 – Jun 2011

RESEARCH EXPERIENCE

Sybil-proof incentive mechanisms for crowdsensing, Colorado School of Mines

- Researcher Feb 2016 – Jun 2017
 - Project: This research was supported in part by NSF grants 1421685, 1444059, 1461886 and 1525920
 - Research areas: Incentive mechanisms, Crowdsensing, and Security

TACA: A Framework for Protecting Location-Privacy in Crowdsensing, Colorado School of Mines

- Researcher Feb 2016 – May 2016
 - Project: Ph.D. Qualifying Exam project
 - Research areas: Crowdsensing, and Location privacy

BidGuard: A Framework for differentially Private Crowdsensing Incentive Mechanisms, Colorado School of Mines

- Researcher May 2015 – Jan 2016
 - Project: This research was supported in part by NSF grant 1444059
 - Research areas: Incentive mechanisms, Crowdsensing, and Privacy

Research on visual perception-based image segmentation evaluation, Southwest Jiaotong University

- Researcher Jan 2013 – Jun 2014
 - Project: National Science Foundation of China under grant 61202190
 - Research areas: Image segmentation evaluation and Machine learning

Association Rule Software used for Stock Index, Southwest Jiaotong University

- Researcher Feb 2011 – Jun 2011
 - Project: Graduation Project
 - Research areas: Data mining and Machine learning

Image Watermark Authentication System, Southwest Jiaotong University

- Project Leader Sep 2009 – Sep 2010
 - Project: The National Student Innovation Project under Grants 091061321
 - Research areas: Image Processing and Privacy

Volunteer Management System, Southwest Jiaotong University

- Researcher Jun 2008 – Aug 2008
 - Project: Curriculum Design
 - Research areas: Database and Programming

PUBLICATIONS

JOURNALS

- [1] [Jian Lin](#), Bo Peng, Tianrui Li and Qin Chen, “A Learning-Based Framework for Supervised and Unsupervised Image Segmentation Evaluation,” *International Journal of Image and Graphics*, vol. 14, no. 03, pp. 1450014, 2014.
- [2] Michael Brown, Colin Marshall, Dejun Yang, Ming Li, [Jian Lin](#), and Guoliang Xue, “Maximizing Capacity in Cognitive Radio Networks Under Physical Interference Model,” *IEEE/ACM Transactions on Networking (TON)*, to appear.

CONFERENCES

- [1] Jian Lin, Ming Li, Dejun Yang, Guoliang Xue and Jian Tang “Sybil-Proof Incentive Mechanisms for Crowdsensing,” *IEEE Conference on Computer Communications (INFOCOM)*, 2017, accepted
- [2] Jian Lin, Dejun Yang, Ming Li, Jia Xu and Guoliang Xue “BidGuard: A Framework for Privacy-Preserving Crowdsensing Incentive Mechanisms,” *IEEE Conference on Communications and Network Security (CNS)*, 2016.
- [3] Ming Li, Dejun Yang, Jian Lin, Ming Li and Jian Tang, “SpecWatch: Adversarial Spectrum Usage Monitoring in CRNs with Unknown Statistics,” *IEEE International Conference on Computer Communications (INFOCOM)*, 2016.
- [4] Jian Lin, Bo Peng, Tianrui Li and Qin Chen, “A Learning-Based Framework for Image Segmentation Evaluation,” *The 5th International Conference on Intelligent Networking and Collaborative Systems (INCoS)*, 2013.
- [5] Mo, Zhenghui and Chen, Fan and Wang, Huanran and Cao, Zhijie and Jian Lin, “Extending and analysis of digital image authentication watermarking scheme,” *The 2nd International Conference on Information Science and Engineering (ICISE)*, 2010.

AWARDS

Sep 2007 – Jun 2014

- First Class Scholarship, Southwest Jiaotong University
- Second Class Scholarship, Southwest Jiaotong University
- Outstanding Student Leader recognition (two years), Southwest Jiaotong University
- Outstanding undergraduate student recognition, Southwest Jiaotong University
- Undergraduate Comprehensive Scholarship, Southwest Jiaotong University

PROFESSIONAL ACTIVITIES

- Project Catalyst: How to Engineer Engineering Education**, Bucknell University, Lewisburg, USA
▪ Workshop Jul 2017 – Jul 2017
- Chengdu Brocloud Co.**, Chengdu, China
▪ Internship Sep 2013 – Mar 2014
- Hong Kong University**, Hong Kong SAR, China
▪ Teaching assistant Feb 2013 – Feb 2013

SOCIAL ACTIVITIES

- Volunteer Teaching at Jiulidi Primary School**, Chengdu, China Feb 2013 – Jun 2013
- Chairman of Students Union**, School of Computer Oct 2011 – Jun 2012

LANGUAGES

- Chinese: Native language.
- English: Fluent (speaking, reading, writing).

SKILLS

C, C++, JAVA, L^AT_EX, MATLAB

INTERESTS

Digital photography, skiing