



## Education

**University of Electronic Science and Technology of China-School of Computer Science and Technology**  
**MD-PhD (in progress) 2015.09-Now**

**Direction** : Algorithmic game theory->mechanism design->diffusion auction design

**Honor** : Scholarship of The 14<sup>th</sup> Institute of Nanjing, National Scholarship (2019)

**ShanghaiTech University-School of Information Science and Technology**  
**Visiting Scholar 2017.09-2018.06**

**Chongqing University of Posts and Telecommunications-School of Intelligence Science and Technology**  
**Bachelor 2011-09-2015.06**

**Grade** : The First in Major, Top 5% Students of University

**Honor** : National Scholar (2014), Excellent Graduate of Chongqing, Advanced Individual in Technical Innovation of Chongqing

## Publications and Awards

### When pursuing my PhD (2015.09-Now) :

Translation (under proofreading): Dong Hao, **Bin Li**, Fan Liu : 《Twenty Lectures on Algorithmic Game Theory》 (written by Tim Roughgarden). **China Machine Press.**

**Bin Li**, Dong Hao, Dengji Zhao, Makoto Yokoo: Diffusion and Auction on Graphs. **IJCAI 19.**

**Bin Li**, Dong Hao, Dengji Zhao, Tao Zhou: Customer Sharing in Economic Networks with Costs. **IJCAI 18.**

Dengji Zhao, **Bin Li**, Junping Xu, Dong Hao, Nick Jennings: Selling Multiple Items via Social Networks. **AAMAS18.**

**Bin Li**, Dong Hao, Dengji Zhao, Tao Zhou: Mechanism Design in Social Networks. **AAAI 17.**

### When pursuing my bachelor degree (2011.09-2015.06) :

Intelligence Design Competition of 'HUAWEI CUP'

Mathematical Contest in Modeling

National Spoken English Competition

The Thirteenth 'Challenge Cup'

The Chinese Mathematics Competition

China Undergraduate Mathematical Contest in Modeling

CET-4 (556), CET-6 (510), CCT-2 (excellent)

**The 1<sup>st</sup> Prize National Level**

**Honorable Mention**

**The 3<sup>rd</sup> Prize National Level**

**The 1<sup>st</sup> Prize Provincial level**

**The 2<sup>nd</sup> Prize Provincial level**

**The 2<sup>nd</sup> Prize Provincial level**

## A Brief Introduction

I am a quite person who loves reading detective stories and solving puzzles (I can do this all day:). The most exciting thing for me is Eureka moments. What I am working on is called diffusion mechanism design. The main subjective is to incentivize self-interests agents to voluntarily share the information of resources to their competitors through, for example, online social networks. It is a new thread in auction theory initialized by us in 2017. We not only provide necessary theoretical basis for this direction, but also proposed several mechanisms that have remarkable performances comparing with classic traditional auctions. Our works have been published in many top conferences with respect to traditional artificial intelligence and multi-agent system.