

# Bin Liu

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## Education

Ph.D., Economics, National University of Singapore, Singapore, December 2015.

B.S., Mathematics and Applied Mathematics, University of Science and Technology of China, Hefei, China, June 2011.

## Research Interest

Microeconomic Theory, Mechanism Design, Industrial Organization  
Contests, Auctions

## Position

Assistant Professor, School of Management and Economics, The Chinese University of Hong Kong, Shenzhen, May 2016–present.

## Publications

1. Enhancing Effort Supply with Prize-Augmenting Entry Fees: Theory and Experiments, (with Robert G. Hammond, Jingfeng Lu, and Yohanes E. Riyanto), *International Economic Review*, forthcoming.
2. Paring Provision Price and Default Remedy: Optimal Two-Stage Procurement with Private R&D Efficiency, (with Jingfeng Lu), *The RAND Journal of Economics*, 49 (2018), 619–655.
3. Optimal Prize Allocation in Contests: The Role of Negative Prizes, (with Jingfeng Lu, Ruqu Wang, and Jun Zhang), *Journal of Economic Theory*, 175 (2018), 291–317.
4. Many-To-Many Disjoint Paths in Hypercubes with Faulty Vertices, (with Xiang-Jun Li, Meijie Ma, and Jun-Ming Xu), *Discrete Applied Mathematics*, 217 (2017), 229–242.

## Working Papers

1. The Optimal Allocation of Prizes in Contests with Costly Entry, (with Jingfeng Lu), R&R, *International Journal of Industrial Organization*.
2. Sequential Screening with Type-Enhancing Actions: Mitigation of Discrimination, (with Jingfeng Lu).
3. Optimal Contest Design with Negative Prizes under Risk Aversion, (with Jingfeng Lu, Ruqu Wang, and Jun Zhang).

## Work in Progress

1. Optimal Contest Design with Entry Cost.
2. Dynamic Screening with Endogenous Information Provision, (with Wei He).
3. Rank-Order Contests with Negative Prizes, (with Jingfeng Lu).

## Grants and Awards

- ◇ Principal Investigator, National Natural Science Foundation of China (Grant No. 71703138): “Entry Cost, Negative Prize and Rank-Order Information: Contest Design with Incomplete Information,” 2018–2020.
- ◇ The President’s Fund, CUHK-Shenzhen.
- ◇ Research Start-up Fund, CUHK-Shenzhen.
- ◇ NUS Research Scholarship, NUS, Singapore, 2011–2015.
- ◇ Travel Grant Award, 11th Econometric Society World Congress, 2015.
- ◇ Travel Support, 3rd Summer School of the Econometric Society, 2015.
- ◇ Travel Support, 2nd Summer School of the Econometric Society, 2014.

## Conference and Seminar Presentations

Department of Economics and Finance, City University of Hong Kong, Scheduled.

2018 International Conference on Economic Theory and Applications, July 2018, SWUFE, Chengdu, China.

Workshop on Mechanism Design, July 2018, NUS, Singapore.

Economics and Management School, Wuhan University, May 2018.

China Meeting of the Econometric Society, June 2017, Wuhan University, Wuhan, China.

Asian Meeting of the Econometric Society, June 2017, CUHK, Hong Kong, China.

The 3rd Microeconomics Workshop, Oct. 2016, Nanjing Audit University, Nanjing, China.

The 12th Workshop on Industrial Organization and Management Strategy, June 2016, HKUST, Hong Kong, China.

11th World Congress of the Econometric Society, Aug. 2015, Montreal, Canada.

15th SAET Conference on Current Trends in Economics, July 2015, University of Cambridge, UK.

2nd Summer School of the Econometric Society, Aug. 2014, Seoul, Korea.

Asian Meeting of the Econometric Society, Aug. 2013, Singapore.

Singapore Economic Review Conference, Aug. 2013, Singapore.

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