

# Chiu Yu Ko

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## Position

Assistant Professor, Department of Economics, National University of Singapore, 2012–Present.

Member, Institute of Operation Research and Analytics, National University of Singapore, 2017–Present.

## Research Interest

Primary: Applied Game Theory, and Industrial Organization

Secondary: Economic History, Political Economy, and Financial Economics

## Education

Ph.D. Economics, Boston College, 2012.

*Dissertation:* “Theory of Menu Auction and Applications”.

*Committee:* Hideo Konishi (Chair), Tayfun Sönmez, and M. Utku Ünver.

M.A. Economics, Boston College, 2009.

M.Phil. Economics, Chinese University of Hong Kong, 2007.

B.B.A. Insurance Financial and Actuarial Analysis, Chinese University of Hong Kong, 2005.

## Research

### *Publications*

1. Decentralized Mechanisms for River Sharing. *Journal of Environmental Economics and Management*, 94, 2019, 67–81 (with Jens Gudmundsoon and Jens Hougaard)
2. Research Joint Venture and Licensing. Accepted at *Canadian Journal of Economics*. (with Xuyao Zhang)
3. Sharing sequential value in a network. *Journal of Economic Theory*, 177, (2018): 734–799. (with Ruben Juarez and Jingyi Xue)

4. On the Role of Outside Options in Wage Renegotiation. *Journal of Economics & Management Strategy*, 27(4), 2018: 792-803. (with Fengjiao Chen and Duoche Li)
5. Unified China and Divided Europe, *International Economic Review*, International Economic Review, 59(1), (2018): 285-327. (with Mark Koyama, and Tuan-Hwee Sng)
6. A Note on Budget Constraints and Outside Option in Common Agency, *Theory and Decision*, 83(1), (2017): 95-106.
7. Regional Dependence and Political Centralization in Imperial China. *Eurasian Geography and Economics* 54, (2014): 470–483. (with Tuan-Hwee Sng)
8. Choosing a Licensee from Heterogeneous Rivals. *Games and Economic Behavior* 82, (2013): 254–268. (with Anthony Creane and Hideo Konishi)
9. Profit-maximizing Matchmaker. *Games and Economic Behavior* 75, (2012): 217–232. (with Hideo Konishi)

### *Working Paper*

10. Decentralized One-to-many bargaining. R&R at *International Economic Review*. (with Duoche Li)
11. From Win-win to Winner-take-all. R&R at *Economic Inquiry*. (with Bo Shen)
12. Choosing a Production Joint Venture Partner. R&R at *Journal of Institutional and Theoretical Economics*. (with Rong Ding and Bo Shen)
13. A welfare economic interpretation of FRAND. (with Jens Hougaard and Xuyao Zhang)
14. Patent Competition with Licensing. (with Rong Ding)
15. Upgrading Heterogeneous Customers.
16. Technology transfer, production and corruption. (with Bo Shen and Xuyao Zhang)

### *Work in Progress*

17. Reverse Licensing (with Xuyao Zhang).
18. Dictate a Dictator, Succeed a Successor.

### *Invited Book Review*

1. “Market Design: Auction and Matching” by Guillaume Haeringer, MIT Press 2018. In *Economic Record*, forthcoming.

## Grants, Fellowships, and Awards

Tier 1 Research Grant R-122-000-268-115, National University of Singapore, 2017–2019.

Faculty Long Service Awards, Faculty of Arts and Social Sciences, National University of Singapore, 2017.

Tier 1 Research Grant R-122-000-219-112, National University of Singapore, 2015–2018.

Teaching Enhancement Grant, National University of Singapore, 2014–2015.

Startup Research Grant, National University of Singapore, 2012–2015.

Dissertation Fellowship, Department of Economics, Boston College, 2012.

Dissertation Fellowship, Graduate Schools of Arts and Social Sciences, Boston College, 2011.

Selected Students, 1st São Paulo School of Advanced Sciences on Game Theory, 2010.

Summer Research Award, Department of Economics, Boston College, 2009.

## Conference and Seminar Presentations

- 2018** University of Copenhagen; Meeting of European Association for Research in Industrial Economics (EARIE); Meeting of Society of Social Choice and Welfare (SSCW); Asian Law & Economics Association Conference (ALEA); Society of Advancement of Economic Theory Conference (SAET); Seoul National University; Korea University
- 2017** Asia School of Business; Singapore Economic Review Conference (SERC); East Asian Game Theory Conference (EAGT); Conference on Economic Design (SED); Econometric Society Asia Meeting; City University of Hong Kong; Annual Searle Roundtable on Patent and Technology Standards (Northwestern University); Sun Yat-sen University
- 2016** Distributive Justice and Economic Theory (Seoul National University); Applying Game Theory to Humanities (Korea Institute of Advanced Studies); Workshop on Game Theory and Application (Chinese University of Hong Kong); Singapore Joint Economic Theory Workshop; World Congress of Game Theory Society (GAMES); European Game Theory Meeting (SING); Meeting of Society of Social Choice and Welfare (SSCW); Taipei Conference on Growth, Trade and Development
- 2015** Academic Sinica; Shanghai University of Finance and Economics; East Asian Game Theory Conference (EAGT); Conference on Economic Design (SED); Joint Conferences on “Logic, Game Theory, and Social Choice” and “Pan-Pacific Conference on Game Theory”; Nanyang Technological University
- 2014** Academic Sinica; Society of Advancement of Economic Theory Conference (SAET); Meeting of Society of Social Choice and Welfare (SSCW)
- 2013** Multi-sided Platform Workshop (National University of Singapore); Econometric Society Asia Meeting; Society of Advancement of Economic Theory Conference (SAET); Public Economic Theory (PET)

2012 Biennial Conference of Hong Kong Economic Association (HKEA); Public Economic Theory (PET)

2011 Midwest Economic Theory and International Trade Meeting; Public Economic Theory (PET)

2010 Brazilian Workshop of Game Theory Society (BWGT); Jerusalem School of Economic Theory

## Professional Activities

Reviewer for *Australian Economics Paper*, *Economic Bulletin*, *Economic Record*, *Games and Economic Behavior*, *International Economic Review*, *International Journal of Game Theory*, *Journal of Mathematical Economics*, *Journal of Public Economic Theory*, *Mathematical Social Science*, *Review of Network Economics*.

Organizer, Second Singapore Economics PhD Conference, National University of Singapore, Nov 2016.

Advisor, Graduate Student Reading Group (Applied Economic Theory), National University of Singapore, 2015–2016.

Coordinator, Reading Group (Applied Theory and Industrial Organization), National University of Singapore, 2012–Present.

Advisor, Graduate Student Reading Group (Applied Economic Theory and Industrial Organisation), National University of Singapore, 2013–2014.

Co-organizer, Multi-sided Platform Workshop, National University of Singapore, Dec 2013.

Departmental Service:

Graduate Committee (2013–2014, 2017–2018).

Applied Economics Program (2014–2015, 2017–Present).

Subcommittee on collaborative programs: double degree programs (2018–Present)

## Teaching

### *Publications*

Using formative feedback, peer review, and online video-recorded presentations to enhance students' research reports. *CDTL Brief*, 19(1), 3-9.

### *Presentation*

FASS Teaching Seminar, NUS, 16 Aug 2016.

### *National University of Singapore*

Industrial Organization (Ph.D.): Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016.

Applied Financial Economics (Master): Spring 2017, Spring 2018, Spring 2019

Financial Market Microstructure (Undergraduate Honor): Fall 2015, Fall 2016, Fall 2017, Spring 2017, Fall 2018, Spring 2019.

Microeconomics Analysis III (Undergraduate Honor): Fall 2012, Fall 2013, Spring 2015.

### *Boston College*

Statistics (Undergraduate): Spring 2011, Fall 2011.

## Advising

Ph.D. Students, Primary Advisor:

Xuyao Zhang (2017)

Zhiqi Lu (2019 Expected)

Ph.D. Students, Committee:

Rong Ding (2015)

Xuyuan Liu (2015)

Bin Liu (2016)

Zhe Wang (2017)

Undergraduate Honors Thesis:

Bhaniramka Akshat (2019 Spring)

Mimani Tanvi (2019 Spring)

Lim Wei Yan Bryan (2018 Fall)

Mudit Kedia (2018 Spring)

Chew Pheeraphol (2018 Spring)

Shiang Chen Ting (2018 Spring)

Lim Si Min Sally (2018 Spring)

Soh Giap Hong Daniel (2017 Fall)

Chia Keat Loong (2016 Fall)

Evelyn Chew Yu Hui (2016 Spring)

Nguyen Hoang Diem An (2015 Spring)

Chew Yi Peng Lisa (2015 Spring)

Ngiaw Kee Ann (2014 Fall)

Oon Wei Ying (2014 Fall)

Zhe Michelle Dong (2014 Spring)

Anushiya Arunan (2014 Spring)

Edmund Chua Zheng Hong (2014 Spring)

Jonathan Ne Win (2013 Spring)

Undergraduate Independent Studies:

Zeng Yonghui, Jesslyn (2019 Spring)

Chan Yong (2019 Spring)

Shi Huilin (2018 Spring)

Wu Jieli (2016 Spring)

Koh Zhi Xing (2015 Spring)

Undergraduate Research Opportunity Program:

Lin Ja He (2015 Spring)

Lim Hysen (2015 Spring)

Last updated: April 25, 2019