

# Chiu Yu Ko

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## Position

Associate Professor, Department of Decisions, Operations and Technology, Chinese University of Hong Kong, 2023–Present

Associate Professor, Department of Decision Sciences and Managerial Economics, Chinese University of Hong Kong, 2020–2023

Associate Professor (by courtesy), Department of Economics, Chinese University of Hong Kong, 2023–Present

Assistant Professor, Department of Economics, National University of Singapore, 2012–2020.

Member, Institute of Operation Research and Analytics, National University of Singapore, 2017–2020.

## Research Interest

Primary: Applied Game Theory, Industrial Organization

Secondary: Public Economics, Financial Economics

## Education

Ph.D. Economics, Boston College, 2012.

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. Automated conflict resolution: Sharing sequentially triggered losses. Accepted by *Management Science*. (with Jens Gudmundsoon and Jens Hougaard)
2. A conceptual model for FRAND royalty setting. *Mathematical Social Science*, 123, (2023):167-176. (with Jens Hougaard and Xuyao Zhang)

3. Sleeplessness, Distraction, and Stock Market Performance: Evidence from the World Cup. *Global Finance Journal*, 56, (2023): 100823. (with Jinghan Cai and Manyi Fan).
4. Can corruption encourage clean technology transfer? *Journal of Public Economic Theory*, 25, (2022): 459-492 (with Bo Shen and Xuyao Zhang).
5. Partial compatibility in two-sided markets: Equilibrium and welfare analysis. *Economic Modelling*, 116, (2022): 105989 (with Rong Ding and Bo Shen).
6. A Welfare Analysis of Licensing under Rent Dissipation. *Economic Modelling*, 105, (2021): 10565. (with Rong Ding).
7. Are Dominant Platforms Good for Consumers? *Economic Inquiry*, 59, (2021): 1364-1377. (with Bo Shen)
8. Competitive Screening and Information Transmission. *Journal of Public Economic Theory*, 23, (2021): 407-437. (with Inacio Bo)
9. Choosing a Production Joint Venture Partner. *Journal of Institutional and Theoretical Economics*, 176, (2020): 665-685. (with Rong Ding and Bo Shen)
10. Decentralized One-to-many bargaining. *International Economic Review*, 61, (2020): 39-72. (with Duozhe Li)
11. Research Joint Venture with technology transfer. *Canadian Journal of Economics*, 53, (2020): 341-358. (with Xuyao Zhang)
12. Decentralized Mechanisms for River Sharing. *Journal of Environmental Economics and Management*, 94, (2019): 67-81. (with Jens Gudmundsoon and Jens Hougaard)
13. Sharing Sequential Value in a Network. *Journal of Economic Theory*, 177, (2018): 734-799. (with Ruben Juarez and Jingyi Xue)
14. On the Role of Outside Options in Wage Renegotiation. *Journal of Economics & Management Strategy*, 27(4), 2018: 792-803. (with Fengjiao Chen and Duozhe Li)
15. Unified China and Divided Europe. *International Economic Review*, 59(1), (2018): 285-327. (with Mark Koyama, and Tuan-Hwee Sng)
16. A Note on Budget Constraints and Outside Option in Common Agency. *Theory and Decision*, 83(1), (2017): 95-106.
17. Regional Dependence and Political Centralization in Imperial China. *Eurasian Geography and Economics*, 54, (2014): 470-483. (with Tuan-Hwee Sng)
18. Choosing a Licensee from Heterogeneous Rivals. *Games and Economic Behavior*, 82, (2013): 254-268. (with Anthony Creane and Hideo Konishi)
19. Profit-maximizing Matchmaker. *Games and Economic Behavior*, 75, (2012): 217-232. (with Hideo Konishi)

### Working Paper

20. Monopsony employer. (with Charles Leung)
21. Incentive-compatible public transport fares with random inspection. (with Inacio Bo)
22. Vertical cross-licensing. (with Bo Shen and Xuyao Zhang)
23. Bargaining with non-discrimination. (with Zhiqi Lu)

### Others

24. Case Study “HKTVmall: Responding to Shortages during the COVID-19 Pandemic,” *Ivey Business School Case Series*, 2023: W33330. (with Nouri Najjar and Adam Fremeth)
25. Book chapter “Sleep deprivation and stock markets.” In *Encyclopedia of Monetary Policy, Financial Markets and Banking*, edited by Nikolaos Apergis, and published by Elsevier, accepted (with Jinghan Cai and Manyi Fan)
26. Book review “Market Design: Auction and Matching” by Guillaume Haeringer, MIT Press 2018. In *Economic Record*, 2019.

### Grant and Award

- Research Incentive Scheme, Chinese University of Hong Kong, 2023.
- General Research Fund (GRF), University Grant Committee (UGC), 2024-2027.
- Direct Research Grant, Business School, Chinese University of Hong Kong, 2022–2023.
- Beijing-Hong Kong University Alliance (BHUA) Grant, 2022-2023.
- Direct Research Grant, Business School, Chinese University of Hong Kong, 2021–2022.
- Tier 1 Research Grant, Ministry of Education, Singapore, 2017–2019.
- Faculty Long Service Awards, Faculty of Arts and Social Sciences, National University of Singapore, 2017.
- Tier 1 Research Grant, Ministry of Education, Singapore, 2015–2018.
- Teaching Enhancement Grant, National University of Singapore, 2014–2015.
- Reading Group, National University of Singapore, 2013–2015.
- 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

- 2023** Central University of Finance and Economics; Science of Decision Making (University of Hong Kong); Asia Econometric Society Meeting (Nanyang Technological University); Society of Advancement of Economic Theory (University of Paris 1 Pantheon-Sorbonne and the FIAP Jean Monnet Paris); Shangdong Microeconomic and Behavioral Summer Meeting; CRESSE-Lingnan International Conference on Competition Policy
- 2022** Society of Advancement of Economic Theory Conference (SAET); Conference on Mechanism and Institution Design (CMiD)
- 2021** Society of Advancement of Economic Theory Conference (SAET); Hong Kong University of Science and Technology IO Workshop; Lingnan University
- 2020** Academia Sinica; ESSEC Business School
- 2019** International Conference in Microeconomics (Korea University); Singapore Economic Review Conference (SERC); Southwest Economic Theory Workshop (Southwest University of Finance and Economics); Australian National University; University of Melbourne; Deakin Theory Workshop (Deakin University); Academia Sinica; New York University-Shanghai; Chinese University of Hong Kong; City University of Hong Kong; Sungkyunkwan University
- 2018** University of Copenhagen; Meeting of European Association for Research in Industrial Economics (EARIE, Athens); Meeting of Society of Social Choice and Welfare (SSCW, South Korea); 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, York); Econometric Society Asia Meeting (Chinese University of Hong Kong); 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, Maastrich); European Game Theory Meeting (SING 12, Odense); Meeting of Society of Social Choice and Welfare (SSCW, Lund); Taipei Conference on Growth, Trade and Development (Academia Sinica)
- 2015** Academic Sinica; Shanghai University of Finance and Economics; East Asian Game Theory Conference (EAGT, Waseda University); Conference on Economic Design (SED); Joint Conferences on “Logic, Game Theory, and Social Choice” and “Pan-Pacific Conference on Game Theory” (Academia Sinica); Nanyang Technological University
- 2014** Academic Sinica; Society of Advancement of Economic Theory Conference (SAET, Waseda University); Meeting of Society of Social Choice and Welfare (SSCW, Boston College)

- 2013 Multi-sided Platform Workshop (National University of Singapore); Econometric Society Asia Meeting (Singapore); Society of Advancement of Economic Theory Conference (SAET, MINES ParisTech); Public Economic Theory (PET 13 Lisbon)
- 2012 Biennial Conference of Hong Kong Economic Association (HKEA); Public Economic Theory (PET 12 Taipei)
- 2011 Midwest Economic Theory and International Trade Meeting; Public Economic Theory (PET 11 Indiana)
- 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*, *Management Science*, *Review of Network Economics*, *Review of Economic Dynamics*, *Singapore Economic Review*, *Social Choice and Welfare*, *Theory and Decision*.

Co-organizer, Department Brownbag Workshop, Chinese University of Hong Kong, 2023–Present.

Organizer, Mainland-Hong Kong Workshop of Market Power, Chinese University of Hong Kong, Jun 2023.

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

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

Coordinator, Reading Group (Applied Theory and Industrial Organization), Department of Economics, National University of Singapore, 2012–2019.

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

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

Departmental Service, Department of Decision Science and Managerial Economics, Chinese University of Hong Kong, 2020–present:

Seminar Committee (2020–2021).

Curriculum Committee Chair (2021–)

Department Assessment Panel (2020–)

Teaching Assistant Coordinator (2021–).

Departmental Service, Department of Economics, National University of Singapore, 2012–2020:

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

Applied Economics Program (2014–2015, 2017–2019).

Subcommittee on collaborative programs: double degree programs (2018–2019).

External Service, Specialist Referee in Economic and Financial Modeling, S.T. Yau High School Science Award (Asia), 2022.

## Teaching

### *Presentation/Software*

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

FASS Teaching Seminar, National University of Singapore, 16 Aug 2016.

R package, CandleStickPattern (2019), <https://github.com/kochiuyu/CandleStickPattern>

### *Chinese University of Hong Kong*

Microeconomic Theory (Ph.D.): Fall 2021, Fall 2022, Fall 2023

Statistical Analysis (Master): Fall 2023

Economics for Finance Practice (Master): Spring 2023

Statistical Analysis for Business Decision (Undergraduate): Fall 2020, Fall 2021, Fall 2022, Fall 2023

### *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, Fall 2019.

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

### *Boston College*

Statistics (Undergraduate): Spring 2011, Fall 2011.

## Advising

### *Chinese University of Hong Kong*

Ph.D. Students, Primary Advisor:

Xinyan Liu (2024), Yangyi Deng (2027)

*National University of Singapore*

Ph.D. Students, Primary Advisor:

Xuyao Zhang (2017), Zhiqi Lu (2020)

Ph.D. Students, Committee:

Rong Ding (2015), Xuyuan Liu (2015), Bin Liu (2016), Zhe Wang (2017)

Undergraduate Honors Thesis:

Bhaniramka Akshat (2019), Mimani Tanvi (2019), Lim Wei Yan Bryan (2018), Mudit Kedia (2018), Chew Pheeraphol (2018), Shiang Chen Ting (2018), Lim Si Min Sally (2018), Soh Giap Hong Daniel (2017), Chia Keat Loong (2016), Evelyn Chew Yu Hui (2016), Nguyen Hoang Diem An (2015 Spring), Chew Yi Peng Lisa (2015), Ngiaw Kee Ann (2014), Oon Wei Ying (2014), Zhe Michelle Dong (2014), Anushiya Arunan (2014), Edmund Chua Zheng Hong (2014), Jonathan Ne Win (2013)

Undergraduate Independent Studies:

Jesslyn Zeng (2019), Chan Yong (2019), Shi Huilin (2018), Wu Jieli (2016), Koh Zhi Xing (2015)

Undergraduate Research Opportunity Program:

Lin Ja He (2015), Lim Hysen (2015)

Last updated: August 23, 2023