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Employment

Professor, 2022-present

Department of Economics, Aletheia University

Associate Professor, 2012 – 2022

Department of Economics, Aletheia University, 2016 – 2022

Department of Statistical Information and Actuarial Science, Aletheia University, 2012 – 2016

Assistant Professor, 2006 – 2012

Department of Statistical Information and Actuarial Science, Aletheia University

Education

Ph.D. in Mathematics (Game Theory), National Tsing Hua University, 2001 – 2006

M.A. in Mathematics (Algebraic Topology), National Tsing Hua University, 1995 – 1997

B.S. in Mathematics, National Taiwan University, 1991 – 1995

Fields

Microeconomic Theory, Game Theory, Market Design/Matching Theory

Publications

1. “Formulating cross-sector horizontal coalition strategies for multi-product assembly systems with a common component” (with Chia-Wei Kuo, Cheng-Bang Chen, and Chialin Chen), *Computers & Industrial Engineering*, **159** (2021), 107399.
(SCIE, 2020 JCR ranking 21/112 in Computer Science, Interdisciplinary Applications; IF = 5.431)
2. “On the characterizations of viable proposals,” *Theory and Decision* **89** (2020), 453-469.
(SSCI, 國科會經濟學門 B+ 級期刊)
3. “Rationalizable choice functions,” *Games and Economic Behavior* **123** (2020), 120-126.
(SSCI, 國科會經濟學門 A+ 級期刊)
4. “On the maximal domain theorem: A corrigendum to “Walrasian equilibrium with gross substitutes,”” *Journal of Economic Theory* **172** (2017), 505-511.
(SSCI, 國科會經濟學門 A+ 級期刊)

5. "On the accessibility of core-extensions," *Games and Economic Behavior* **74** (2012), 687-698.
(SSCI, 國科會經濟學門 A+ 級期刊)
6. "Accessible outcomes versus absorbing outcomes," *Mathematical Social Sciences* **62** (2011), 65-70.
(SSCI, 國科會經濟學門 B 級期刊)
7. "On the accessibility of the core," *Games and Economic Behavior* **69** (2010), 194-199.
(SSCI, 國科會經濟學門 A+ 級期刊)
8. "An axiomatic characterization of a value for games in partition function form" (with Cheng-Cheng Hu), *SERIEs: Journal of the Spanish Economic Association* **1** (2010), 475-487.
(SSCI, 國科會經濟學門 B 級期刊)

Working Papers

1. "Firm-quasi-stability and re-equilibration in matching markets with contracts," submitted.
2. "Re-equilibration with cumulative offer process"

NSTC-Granted Research Projects

1. Matching markets with the advantage of arriving late
(NSTC 112-2410-H-156-006)
2. On matching with contracts
(MOST 111-2410-H-156-009)
3. Gross substitutes and labor markets under constraints
(MOST 110-2410-H-156-003)
4. Random paths to stability for many-to-one job markets
(MOST 109-2410-H-156-009)
5. Disequilibrium due to the entry of a new firm into a job market
(MOST 108-2410-H-156-002)
6. Rationalization of collective decision-making
(MOST 107-2410-H-156-002)
7. Theory of Spatial Competition
(MOST 106-2410-H-156-002)
8. Equilibrium prices in markets with indivisibilities
(MOST 105-2410-H-156-003)
9. Markets with indivisible goods
(MOST 104-2410-H-156-002)
10. Generalizations and applications of Kelso-Crawford's labor market
(MOST 103-2410-H-156-002)
11. Competitive equilibrium in two-sided matching markets: The effects of free disposal condition
(NSC 102-2410-H-156-001)

12. On the substitutes for matching with contracts and its applications
(NSC 101-2628-H-156 -001, 優秀年輕學者研究計畫)
13. On the accessibility of core-extensions and coalition formation
(NSC 100-2410-H-156-008)
14. On the dynamic solution
(NSC 96-2115-M-156-004)

Teaching Experience

Economics: Principles of Economics, Microeconomics, Microeconomic Analysis, Game Theory, Auction Theory and Mechanism Design

Programming: Computer application and Computational Thinking, Introduction to Data-driven Programming, Programming for Business Computing and its applications, Statistics with R.

Mathematics and Statistics: Calculus, Mathematical Economics, Mathematical Statistics, Linear Programming, Linear Algebra, Differential Equations

Referee

Games and Economic Behavior, Economic Modelling, Mathematical Social Sciences, Discrete Applied Mathematics, SN Business & Economics, Academia Economic Papers, Taiwan Economic Review.

Computer Skills

Python, R, VBA