

Wei He

Curriculum Vitae

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Position

2016–Present Assistant Professor, Department of Economics, The Chinese University of Hong Kong

Education

- 2014–2016 **Ph.D. in Economics**, *The University of Iowa*.
2010–2014 **Ph.D. in Mathematics**, *National University of Singapore*.
2006–2010 **B.S. in Statistics**, *Yuanpei College, Peking University*.

Research Interests

Microeconomic Theory, Game Theory, Mechanism Design

Publications

- 1 Yi-Chun Chen, Wei He, Jiangtao Li and Yeneng Sun, Equivalence of stochastic and deterministic mechanisms, forthcoming in *Econometrica*.
- 2 Wei He and Yeneng Sun, Pure-strategy equilibria in Bayesian games, *Journal of Economic Theory* **180** (2019), 11–49.
- 3 Wei He and Yeneng Sun, Conditional expectation of correspondences and economic applications, *Economic Theory* **66** (2018), 265–299.
- 4 Wei He and Yeneng Sun, The necessity of nowhere equivalence, *Advances in Mathematics* **325** (2018), 608–639.
- 5 Wei He, Xiang Sun and Yeneng Sun, Modeling infinitely many agents, *Theoretical Economics* **12** (2017), 771–815.
- 6 Wei He and Yeneng Sun, Stationary Markov perfect equilibria in discounted stochastic games, *Journal of Economic Theory* **169** (2017), 35–61.
- 7 Wei He and Nicholas C. Yannelis, Equilibria with discontinuous preferences: New fixed point theorems, *Journal of Mathematical Analysis and Applications* **450** (2017), 1421–1433.
- 8 Wei He and Nicholas C. Yannelis, A remark on discontinuous games with asymmetric information and ambiguity, *Economic Theory Bulletin* **5** (2017), 119–126.
- 9 Wei He and Jiangtao Li, Efficient dynamic mechanisms with interdependent valuations, *Games and Economic Behavior* **97** (2016), 166–173.
- 10 Wei He and Nicholas C. Yannelis, Existence of Walrasian equilibria with discontinuous, non-ordered, interdependent and price-dependent preferences, *Economic Theory* **61** (2016), 497–513.
- 11 Wei He and Nicholas C. Yannelis, Existence of equilibria in discontinuous Bayesian games, *Journal of Economic Theory* **162** (2016), 181–194.
- 12 Wei He and Nicholas C. Yannelis, Equilibrium theory under ambiguity, *Journal of Mathematical Economics* **61** (2015), 86–95.
- 13 Wei He and Nicholas C. Yannelis, Discontinuous games with asymmetric information: An extension of Reny’s existence theorem, *Games and Economic Behavior* **91** (2015), 26–35.
- 14 Wei He and Xiang Sun, On the diffuseness of incomplete information game, *Journal of Mathematical Economics* **54** (2014), 131–137.

Working Papers

- 15 Dynamic games with almost perfect information (with Yeneng Sun), Conditionally Accepted, *Theoretical Economics*.
- 16 Dynamic project assignment, 2018.
- 17 Robustly optimal reserve price (with Jiangtao Li), 2019.

Grants

- 01/01/2018-31/12/2019 PI: Existence of equilibria in games with incomplete information, RGC Hong Kong.
- 01/01/2019-31/12/2020 PI: Dynamic mechanism design with endogenous information, RGC Hong Kong.

Professional Service

- Editorship Associate Editor (2017 July -): *Economic Theory*, *Economic Theory Bulletin*
- Referee *Econometrica*, *Journal of Economic Theory*, *Games and Economic Behavior*, *Economic Theory*, *Operations Research*, *Mathematics of Operations Research*, *Journal of Mathematical Economics*, *Journal of Mathematical Analysis and Applications*, *Theory and Decision*, *Mathematical Social Sciences*, *Economic Theory Bulletin*, *International Game Theory Review*
- Member Econometric Society

Seminars and Conferences

- 2019 Peking University
Workshop on Decision Theory and Game Theory (Wuhan University)
- 2018 Sun Yat-Sen University, Wuhan University, Hong Kong Baptist University
2018 Nanjing International Conference on Game Theory (Nanjing Audit University)
Workshop on Game Theory & Mechanism Design (National University of Singapore)
The 9th Shanghai Microeconomics Workshop (Shanghai University of Finance and Economics)
The 18th SAET Conference (Academia Sinica)
- 2017 CUHK Shenzhen, HKUST, Xi'an University of Finance and Economics
China Meeting of the Econometric Society (Wuhan, China)
The 17th SAET Conference (Faro, Portugal)
- 2016 Workshop on Game Theory and Applications (The Chinese University of Hong Kong)
- 2015 The 15th SAET Conference (University of Cambridge)
Iowa Alumni Workshop in Department of Economics (University of Iowa)
- 2014 Midwest Economic Theory Meeting (University of Kansas)
Asian Meeting of the Econometric Society (Taipei, Taiwan)
- 2013 Research Center for Games and Economic Behavior Summer Workshop (Weihai, China)
Asian Meeting of the Econometric Society (Singapore)
The 13th SAET Conference (Paris, France)