

Haomiao Yu

Ryerson University
Department of Economics
350 Victoria Street
Toronto, ON M5B 2K3

Phone: +1 (416) 979-5000 ext. 4799
Cell: +1 (647) 980-8112
Email: haomiao@ryerson.ca
URL: www.economics.ryerson.ca/hyu

ACADEMIC POSITION

2020/5 – Present: Professor, Department of Economics, Ryerson University
2013/12 – 2020/4: Associate Professor, Department of Economics, Ryerson University
2010/8 – 2013/12: Assistant Professor, Department of Economics, Ryerson University

EDUCATION

Ph.D. in Economics, Johns Hopkins University, July 2010
Advisors: M. Ali Khan and Hülya K. K. Eraslan
M.A. in Economics, Johns Hopkins University, May 2006
M.S. in Mathematical Economics, National University of Singapore, May 2004
B.S. in Applied Mathematics & **B.S.** in Business Administration (Dual Degrees), University of Science and Technology of China, June 2002.

RESEARCH AND TEACHING INTERESTS

Microeconomics, Mathematical Economics, Game Theory and Bargaining Theory

JOURNAL PUBLICATIONS

‘The Individualistic Foundation of Equilibrium Distribution,’ (with Xiang Sun and Yeneng Sun), *Journal of Economic Theory* **189**, (2020) Article 105083.
“Pareto Refinements of Pure-Strategy Equilibria in Games with Public and Private Information,” (with Haifeng Fu), *Journal of Mathematical Economics*, **79**, (2018) 18-26.
“On the Equivalence of Large Individualized and Distributionalized Games,” (with M. Ali Khan, Kali P. Rath and Yongchao Zhang), *Theoretical Economics*, **12** (2017) 533-554.
“On the Nash Equilibrium Correspondence in a Large Game: A Complete Characterization,” (with Lei Qiao and Zhixiang Zhang), *Games and Economic Behavior*, **99** (2016) 89-98.
“Pareto-Undominated and Socially-Maximal Equilibria in Non-atomic Games,” (with Haifeng Fu), *Journal of Mathematical Economics*, **58** (2015), 7-15.
“On the Centipede Game with Social-Norm,” (with M. Ali Khan and Zhixiang Zhang), *Mathematical Social Sciences*, **75** (2015), 16-19.
“Strategic Uncertainty and the Ex-post Nash Property in Non-Atomic Games,” (with M. Ali Khan, Kali P. Rath and Yeneng Sun), *Theoretical Economics*, **10** (2015), 103-129.
“On the Space of Players in Idealized Limit Games,” (with Lei Qiao), *Journal of Economic Theory*, **153** (2014), 177-190.

“Rationalizability in Large Games,” *Economic Theory*, **55** (2014), 457-479.

“Large Games with a Bio-Social Typology,” (with M. Ali Khan, Kali P. Rath and Yeneng Sun), *Journal of Economic Theory*, **148** (2013), 1122-1149.

“Large Distributional Games with Traits,” (with M. Ali Khan, Kali Rath and Yongchao Zhang), *Economics Letters*, **118** (2013), 502-505.

“Pure Strategy Equilibria in Games with Countable Actions,” (with Zhixiang Zhang), *Journal of Mathematical Economics*, **43** (2007), 192-200.

“Large Games with Transformed Summary Statistics,” (with Wei Zhu), *Economic Theory*, **26** (2005), 237-241.

OTHER RESEARCH PAPERS

“Comparison of Information Structures with General States of Nature” (with M. Ali Khan, Zhixiang Zhang), *working paper*.

“Pure Strategy Equilibria in Non-atomic Games with Discontinuous Payoffs,” (with Xiang Sun), *in progress*.

“Multilateral Bargaining with Efforts,” (with Chuyi Fang and Hou Wang), *in progress*.

“Rationalizability in Anonymous Games,” *in progress*.

REFEREE

Acta Mathematicae Applicatae Sinica, Econometrica, Economics Letters, Economic Theory, Economic Theory Bulletin, Economic Modelling, Fuzzy Sets and Systems, Mathematical Social Sciences, Mathematics of Operations Research, Journal of Economic Theory, Journal of Mathematical Economics, Theoretical Economics.

AWARDS AND EXTERNAL GRANTS

Ryerson University, *Dean’s Service Award* (2020)

Social Science and Humanities Research Council of Canada (SSHRC), *Insight Grant* (PI, 2019-2024).

Social Science and Humanities Research Council of Canada (SSHRC), *Insight Development Grant* (PI, 2014-2017).

Faculty of Arts at Ryerson, *Teaching and SRC Excellence Award* (Ryerson, 2014-2015)

SEMINARS & CONFERENCE PRESENTATIONS

2018:

- Seminar at the Department of Economics and Finance, University of Guelph.
- the *18th Society of the Advancement of Economic Theory (SAET) Conference*, Taipei, Taiwan.
- the *9th Shanghai Microeconomics Workshop*, Shanghai, China.
- the *2018 IMS Workshop on Game Theory*, Singapore.

2016:

- Seminar at the School of Economics, Shanghai University of Finance and Economics, China.
- Seminar at the Department of Economics, Rutgers University, USA.
- Seminar at the School of Business, McMaster University.

2015:

- the *15th Society of the Advancement of Economic Theory (SAET) Conference*, Cambridge, UK.
- the *World Congress of the Econometric Society*, Montreal, Canada.
- Financial Mathematics Seminar at the Department of Mathematics, Ryerson University .
- Seminar at the Department of Economics, University of Rochester, USA.

2014:

- the *2014 Asian Meeting of the Econometric Society*, Taiwan.

2013:

- Seminar at the Department of Economics, *Universidad de Santiago de Chile*, Chile.
- Seminar at the School of Business, *Xi'an Jiaotong Liverpool University*, China
- the *2013 Asian Meeting of the Econometric Society*, Singapore.
- Lunch Seminar at the Department of Economics, *Ryerson University*.
- the *13th Society of the Advancement of Economic Theory (SAET) Conference*, Paris, France.

2012:

- Theory Workshop at the Department of Economics at *University of Toronto*.
- Economic Theory Workshop at the Department of Economics at *University of Western Ontario*.
- the *2012 NBER/NSF/CEME Conference in Mathematical Economics and General Equilibrium Theory*, Bloomington, Indiana, USA.
- the *12th SAET Conference*, Brisbane, Australia.
- the Conference on “*Mathematics in 21st Century: Advances and Applications*”, Hefei, China.

2011:

- the *Workshop on “the Probabilistic Impulse behind Modern Economic Theory”*, National University of Singapore, Singapore.
- the *11th SAET Conference*, Faro, Portugal.

ACADEMIC SERVICE

Ryerson University:

- Faculty of Arts Search Committee for Associate Dean for Research and Graduate Studies, 2019.3 - 2019.7
- Faculty of Arts SRC Committee, 2017-2018
- Steering Committee of new Ryerson Scholars Engaged in Research (RYser), 2011-12.

Department of Economics:

- Graduate Program Director, 2018-Present.
- Chang Continuing Education Academic Coordinator in Economics, 2018-Present.
- Computing/IT Committee, 2010-Present.
- Graduate Program Committee, 2010-Present.
- Undergraduate Program Micro Sub-Committee, 2010-Present.
- Department Evaluation Committee, 2014-2015, 2016-2017, 2018-2019
- Department Hiring Committee, 2016-2017, 2018-2019, 2019-2020.
- SRC Committee, 2010-2013.
- Seminar Committee, 2010-2013.
- Travel Committee, 2011-2012 and 2015-2016.
- Job Market Interview Committee, 2011.

TEACHING

Ryerson University, August 2010 – Present.

- Undergraduate Level (ICON and EMS):
 - *ECN501* Industrial Organization: W2014, F2012.
 - *ECN230* Mathematics for Economics: W2014, W2013, W2012, W2011.
 - *ECN504* Intermediate Micro I: F2016, F2011
 - *ECN614* Introduction to Game Theory: W2012, F2010
- Undergraduate Level (Chang)
 - *CECN501* Industrial Organization: S2013, S2012
 - *CECN230* Mathematics for Economics: S2018, S2017, S2015, S2014
 - *CECN504* Intermediate Micro I: S2017
- Graduate Level:
 - *EF9907* Game Theory: W2020, W2019, W2018, W2016, F2015.
 - *EF9904* Mathematical Economics: F2016, F2014, F2013, F2012, F2011, F2010.
 - *EF9901* Advanced Microeconomic Theory I: F2016, F2015, F2014, F2013, F2012, F2011, F2010.
 - *EF9921* Advanced Microeconomic Theory II: W2020, W2019, W2018.