

# Maxwell Pak

Research Institute of Economics and Management  
Southwestern University of Finance and Economics  
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## Academic Positions

Associate Professor, Southwestern Univ. of Finance and Economics, July 2010 - Present.  
Assistant Professor, Queen's University, July 2002 – June 2010.

## Education

Ph.D. in Economics, University of California, Berkeley, December 2002.  
M.A. in Statistics, University of California, Berkeley, December 2002.  
A.B. in Applied Mathematics, Harvard University, June 1993.

## Research

### Publications:

- "Child-raising cost and fertility from a contest perspective" (with Bing Xu). *Public Choice*. 186:9-28 (2021).
- "Will the needs-based planning of health human resources currently undertaken in several countries lead to excess supply and inefficiency? Rejoinder" (with Kusalaya Basu). *Health Economics*. 26: 822-824 (2017).
- "Generalized Reinforcement Learning in Perfect-Information Games" (with Bing Xu). *International Journal of Game Theory*. 45:985-1011 (2016).
- "Will the needs-based planning of health human resources currently undertaken in several countries lead to excess supply and inefficiency?" (with Kusalaya Basu). *Health Economics*. 25: 101-110 (2016).
- "Gender Ratio under China's Two-Child Policy" (with Bing Xu). *Journal of Economic Behavior and Organization*. 119: 289-307 (2015).
- "Stochastic Stability and Time-Dependent Mutations" *Games and Economic Behavior*. 64:650-665 (2008).

### Working Papers:

- "Decentralized Price Adjustment in 2x2 Replica Economies."
- "Re-interpreting Segregation through Homophily, Selection, and Choice" (with William A.V. Clark and Bing Xu).
- "中国家庭的资产配置是最优的吗？ (Are Chinese household's asset allocation optimal? A welfare evaluation based on subjective expectation of housing return)" (with Yuting Wang, Bing Xu, and Naibao Zhao)

### Work in Progress:

- "Evolution of education spending in a competitive environment" (with Bing Xu).

## **Teaching Experience**

Undergraduate Intermediate Microeconomics  
Undergraduate Advanced Microeconomic Theory.  
Undergraduate Game Theory.  
Undergraduate Mathematical Economics.  
Undergraduate Introduction to Econometrics.  
Graduate Microeconomic Theory.  
Graduate Game Theory.  
Graduate Topics course in Learning and Evolution.

## **Presentations**

Workshop on Economic Science with Heterogeneous Interacting Agents, 2022  
Henan University, 2019  
Xi'an Jiatong University, 2019  
Econometric Society Asia Meeting, 2018  
Econometric Society China Meeting, 2018  
British Society for Population Studies, 2015  
NYU Shanghai, 2015  
Southwestern University of Nationalities, 2014  
Southwestern University of Nationalities, 2013  
Chinese Economic Association, 2013  
Shanghai University of Finance and Economics, 2012  
International Conference on Computing in Economics and Finance, 2012  
Shanghai University of Finance and Economics, 2011  
Canadian Economic Theory Conference, 2010  
University of Montreal, 2010  
International Conference on Computing in Economics and Finance, 2009  
Econometric Society Australasian Meeting, 2009  
University of Northern Illinois, 2009  
International Conference on Computing in Economics and Finance, 2007  
Canadian Economic Theory Conference, 2007  
McGill University, 2006  
SUNY Buffalo, 2005

## **Ph.D. Supervision**

Daichun Yi, Southwestern University of Finance and Economics, 2016.

## **M.A. Supervision**

Pamela Higgins, Queen's University, 2007.  
Yu Shen, Queen's University, 2007.  
Peter Dalley, Queen's University, 2006.  
Ryan Webb, Queen's University, 2005.  
Annette Uetrecht, Queen's University, 2003.

## **Services**

Co-organizer, RIEM International Microeconomics Workshop, 2011-2012.  
Member, Recruiting Committee, 2011-2022.  
Member, Undergraduate Studies Committee, 2004-10.

Member, Ph.D. Comprehensive Examination in Microeconomics, 2003–2007.  
Ph.D. Examiner for Mei Li (Economics, Queen’s University), 2006.  
Ph.D. Examiner for Bryan Patterson (Economics, Queen’s University), 2006.  
Ph.D. Examiner for David Millstein (Neuroscience, Queen’s University), 2006.  
Ph.D. Examiner for Iulia Oana Secrieru (Economics, Queen’s University), 2003.  
Co-organizer, Microeconomics Workshop, 2003-06.  
Reader for M.A. Essays, 2003–08.  
Reader for Major Entrance Scholarship Selection Committee, 2003–2010.  
Referee for Games and Economic Behavior, Health Economics, International Journal of  
Game Theory, Journal of Economic Behavior and Organization, and Journal of  
Mathematical Economics.  
Referee for SSHRC Grant Application, Canada Foundation for Innovation

### **Funding**

Project member, China National Natural Science Foundation Grant #71874144, “Child-raising cost and population dynamics in a competitive environment.” (2019/01-2022/12). 480,000 RMB.

Principal investigator, SWUFE Central University Fund, “Application of evolutionary game theory on horizontal learning by consumers.” (2017/01-2018/12). 30,000 RMB.

Project member, China National Natural Science Foundation Grant #71403217, “Gender ratio and fertility policy in China.” (2015/01-2017/12). 200,000 RMB.

### **Professional Affiliation**

American Economic Association  
The Econometric Society