

WEIKAI CHEN

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EDUCATION

Ph.D. in Economics, University of Massachusetts Amherst, expected May 2020

Dissertation Title: "Three Essays on Microeconomic Analysis of Political Economy: Exploitation, Technical Change, and Multisectoral Analysis"

Committee: Naoki Yoshihara (chair), Itai Sher, Rong Rong

M.A. in Economics, Nankai University, Tianjin, China, 2014

B.A. in Economics, Nankai University, Tianjin, China, 2012

RESEARCH INTERESTS

Technical Change and Income Distribution, Inequality

Marxist Political Economy

Games on Socical Networks, Complex System and Agent-Based Modelling

PUBLICATIONS

Working Papers

Technical Change, Income Distribution and Profitability in Multisector Linear Economies, *Umass Amherst Economics Working Papers*, 273

Persistent Exploitation in Pre-industrial Economies, with Naoki Yoshihara, *Umass Amherst Economics Working Papers*, 268

Recoverability from the Input-Output Data: Foundations of Empirical Multisectoral Analysis

Works in Progress

Indeterminacy in Neoclassical two-sector Economies with Technical Progress, with Naoki Yoshihara and Roberto Veneziani

Inequality in Cooperative Games on Networks Economy

Book Manuscript

Post-Walrasian Microeconomics: Notes, Problems and Solutions, draft available for review, with Samuel Bowles

Journal Publications

Matching Impacts of School Admission Mechanisms: An Agent-Based Approach, with Shu-heng Chen and Connie H. Wang, *Eastern Economic Journal*, 2017

The Convergence of Price to Labor Value in the “Double-Channels” Model: A Resolution of the Feng’s Paradox, *Review of Political Economy*, 2019. (in Chinese)

Recent Development of Political Economy Abroad (2018), with Zhixuan Feng, Chenxi Gao and Bangxi Li, *China Review of Political Economy*, 2019. (in Chinese)

Recent Development of Political Economy Abroad (2017), with Zhixuan Feng and Bangxi Li, *China Review of Political Economy*, 2018. (in Chinese)

Recent Development of Political Economy Abroad (2016), with Fengyi Liu, *China Review of Political Economy*, 2017. (in Chinese)

Recent Development of Political Economy Abroad (2015), with Fengyi Liu, *China Review of Political Economy*, 2016. (in Chinese)

RESEARCH EXPERIENCE

Mathematical and Computational Consultant, Supervisor: Samuel Bowles, *Santa Fe Institute*, 2015 — present

Graduate Workshop in Computational Social Science Modeling and Complexity, *Santa Fe Institute*, 2017

YSI Complexity and Economics Workshop, *Fields Institute*, Toronto, CA, April 2016

Visiting Student, *National Chengchi University*, Taiwan, Fall 2013

TEACHING EXPERIENCE

Teaching Assistant in Department of Economics, at University of Massachusetts Amherst, Fall 2014 — present

Graduate courses:

The Microeconomics of Competition, Coordination, Cooperation and Conflict (Fall 2017 - Fall 2019)

Game Theory and Strategic Interactions (Spring 2018)

Microeconomic Theory (Spring 2019, Spring 2017, Spring 2016)

Undergraduate courses: Intermediate Macroeconomics (Fall 2016), Intermediate Microeconomics (Fall 2015), Introduction to Microeconomics (Fall 2014)

Instructor, Math Camp in Department of Economics, at University of Massachusetts Amherst, Summer 2017

Teaching Post-Walrasian Microeconomics (a faculty-doctoral student working group organized by Samuel Bowles), University of Massachusetts Amherst, Fall 2019

TEACHING FIELDS

- Marxian Economics
- Microeconomics, The Economics of Networks
- Mathematical Economics, Econometrics, Computational Economics
- Economics of Inequality
- The Economy of China

SEMINARS & PRESENTATIONS

- “Technical Change, Income Distribution and Profitability in Multisector Linear Economies”, New School—Umass Graduate Workshop, New School, New York, Nov 2, 2019
- “Recoverability from the Input-Oupt Data: Foundation of Empirical Multisectoral Analysis”, Analytical Political Economy Workshop, Umass Amherst, Oct 25, 2019
- “Persistent Exploitation with Intertemporal Reproducible Solution in Pre-industrial Economies”, with Naoki Yoshihara, The 67th Annual Conference of the Japan Society of Political Economy (JSPE), Komazawa University, Japan, Oct 19, 2019
- “Inequality and Evolution of Network Structures”, Analytical Political Economy Workshop, Umass Amherst, Oct 2017
- “Inequality and Evolution of Network Structures”, Santa Fe Institute, July 2017
- “Matching Impacts of School Admission Mechanisms: An Agent-Based Approach”, with Chen, S.-H., & Wang, C. H., Eastern Economic Association 2015 Annual Conference, New York, US, 2015
- “Power in the Labor Market: the perspective from Political Economy”, Chinese Association for Political Economy, Fudan University, Shanghai, China, Nov 2012

HONORS & AWARDS

- Dean's/Department Summer Dissertation Fellowship, Umass Amherst, Summer 2019
- Chair's Summer Research Fellowship, Department of Economics, Umass Amherst, Summer 2018
- University Fellowship, Umass Amherst, Spring 2015
- Grant for Eastern Economics Association Meetings, Umass Amherst, Spring 2015
- Graduate Fellowship in the Master Program, Nankai University, 2012 — 2014
- Nankai University First-class Scholarship, Based on Merit, 2013

SKILLS

- Computer programming: Python, R, MATHEMATICA, NetLogo
- Language: English, Chinese (native)

REFERENCES

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