

# MITSURU IGAMI

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## Research Fields

Industrial Organization, Economics of Innovation, International Trade

## Current Positions

Associate Professor of Economics, Yale Department of Economics	July 2017–present
Co-Editor, <i>The International Journal of Industrial Organization</i>	Jan. 2021–Dec. 2023
Associate Editor, <i>The Japanese Economic Review</i>	Sept. 2015–present

## Past Positions

Visiting Associate Professor, MIT Department of Economics	July 2017–June 2018
Assistant Professor of Economics, Yale Department of Economics	July 2012–June 2017
Visiting Assistant Professor, Stanford Institute for Economic Policy Research	July 2014–June 2015
Teaching/Research Assistant, UCLA Anderson School of Management	2008–2011
Teaching/Research Assistant, University of Tokyo	2006–2007
Intern, Multilateral Investment Fund, Inter-American Development Bank	2006
Associate, Equity Research Division, Citigroup Salomon Smith Barney	2002–2004
Researcher, Mitsubishi Research Institute	1999–2000

## Education

Ph.D., Global Economics and Management, UCLA Anderson School of Management, June 2012.  
M.A., Economics, UCLA, June 2009.  
M.A., Economics, University of Tokyo, March 2007.  
B.A., Latin American Area Studies, University of Tokyo, March 2002.

## Publications

1. “Privatization and Productivity in China,” (with Yuyu Chen, Masayuki Sawada, and Mo Xiao), April 2021, accepted, *RAND Journal of Economics*.
2. “Mergers, Innovation, and Entry-Exit Dynamics: Consolidation of the Hard Disk Drive Industry, 1996–2016,” (with Kosuke Uetake), November 2020, *Review of Economic Studies*, 87 (6): 2672–2702.
3. “Artificial Intelligence as Structural Estimation: Deep Blue, Bonanza, and AlphaGo”, September 2020, *Econometrics Journal*, 23 (3): S1–S24.

4. “Patent Statistics as an Innovation Indicator? Evidence from the Hard Disk Drive Industry” (with Jai Subrahmanyam), September 2019, *Japanese Economic Review*, 70 (3): 308–330.
5. “Industry Dynamics of Offshoring: The Case of Hard Disk Drives,” February 2018, *American Economic Journal: Microeconomics*, 10 (1): 67–101.
6. “Estimating the Innovator’s Dilemma: Structural Analysis of Creative Destruction in the Hard Disk Drive Industry, 1981–1998,” June 2017, *Journal of Political Economy*, 125 (3): 798–847.
7. “Unobserved Heterogeneity in Dynamic Games: Cannibalization and Preemptive Entry of Hamburger Chains in Canada,” (with Nathan Yang), July 2016, *Quantitative Economics*, 7 (2): 483–521.
8. “Market Power in International Commodity Trade: the Case of Coffee,” June 2015, *Journal of Industrial Economics*, 63 (2): 225–248.
9. “Does Big Drive Out Small? Entry, Exit, and Differentiation in the Supermarket Industry,” January 2011, *Review of Industrial Organization*, 38 (1): 1–21.

### **Working Papers**

10. “Measuring the Incentive to Collude: The Vitamin Cartels, 1990–1999” (with Takuo Sugaya), March 2021, 2<sup>nd</sup> revision resubmitted, *Review of Economic Studies*.
11. “Mapping Firms’ Locations in Technological Space: A Topological Analysis of Patent Statistics” (with Emerson G. Escolar, Yasuaki Hiraoka, and Yasin Özcan), September 2020, submitted.

### **Works in Progress**

12. “Collusion and Innovation: The Case of LCD Panels” (with Jeff Qiu and Takuo Sugaya)
13. “Edgeworth Price Cycles: A Dynamic Structural Analysis” (with Simon Scheidegger)
14. “Computational Algorithms to Detect Price Cycles” (with Simon Scheidegger and Timothy Holt)
15. “Topological and Textual Analysis of Patents” (with Emerson G. Escolar and Yasuaki Hiraoka)

### **Awards**

*KDDI Foundation Award* 2020 (JPY 2,000,000 ≈ USD 20,000),

KDDI Foundation

April 2021

*Miyazawa Kenichi Memorial Award* 2018 for the Best IO papers,

Japan Fair Trade Institute

November 2018

<i>Significant Contributions to Science &amp; Technology Award 2016, National Institute of Science and Technology Policy (Ministry of Education, Culture, Sports, Science and Technology), Japan</i>	December 2016
Excellence in Refereeing Award 2014, <i>American Economic Review</i>	February 2015
Dreze Award for the best paper by PhD student, UCLA Anderson	June 2012
Best Student Paper Award, the 11th Annual REER, Georgia Tech	November 2011
Dissertation Year Fellowship, UCLA	2011–2012
UCLA CIBER Research Grant	2010–2012
Nozawa Fellowship	2007–2011
Ito Foundation Fellowship	2007–2009

### **Presentations** (\* scheduled)

- 2021 Rensselaer Polytechnic Institute, International Industrial Organization Conference\*, Barcelona GSE Summer Forum\*, *Korean Economic Review International Conference\**.
- 2020 American Economic Association Meeting, International Industrial Organization Conference (cancelled), Econometric Society World Congress, Hong Kong University of Science & Technology, *TopoNets2020@NetSci* at Università la Sapienza di Roma, Columbia University, *MaCCI/EPoS Conference on Innovation* (Frankfurt, Germany).
- 2019 Econometric Society *2019 North American Winter Meeting*, NBER *Industrial Organization program* winter meeting, Jinan University's *Workshop on Firms in Emerging Economies* (Guangzhou, China), Academia Sinica (Taipei, Taiwan), Yonsei University, Korea University, Seoul National University, University of Vienna, HEC Lausanne, Econometric Society *European Meeting* (Manchester, UK), Indiana University, Yale, *Asia-Pacific Industrial Organization Conference* (Hitotsubashi University, Tokyo).
- 2018 Econometric Society *2018 North American Winter Meeting*, NBER *Industrial Organization program* winter meeting, Johns Hopkins, Pontifícia Universidade Católica do Rio de Janeiro (Brasil), Fundação Getúlio Vargas (Brasil), Joint MIT-Harvard IO seminar, *Conference on Structural Dynamics* at University of Copenhagen (Denmark), *Summer School on the Empirical Application of Dynamic Programming Models* at University of Copenhagen (Denmark), Directorate General for Competition at European Commission (Belgium), *Hal White Antitrust Conference* at Bates White, *Workshop on Data Science for Central Banks* at Bank of Canada, Osaka University, Hitotsubashi University, the *Japanese Economic Association* meeting, *NBER Conference on the Economics of Artificial Intelligence* at U Toronto, “Data, Society, and Inference” Seminar Series at Stanford GSB, Mannheim University’s *Conference on Mergers* in Frankfurt, CERGE-EI (Prague, Czech Republic).
- 2017 Keio, IIOC, Georgetown, Cornell, National Institute of Science and Technology Policy (Japan), Japan Fair Trade Commission, SWET at Otaru University of Commerce, *Conference on Implementation of Structural Dynamic Models: Methodology and Applications* at University College London, NYU Stern IO Day, *Conference on Structural IO* at Javeriana University (Bogota, Colombia), Penn State, Rochester Simon, U Penn/Wharton, Federal Trade Commission,

- Georgetown, Northwestern, *The Third Cambridge Area Economics and Computation Day* at Microsoft Research New England, University of Tokyo, University of Osaka.
- 2016 Dartmouth Tuck *Winter IO Conference*, NBER Industrial Organization Winter Meeting (poster session), U Tokyo, Michigan, Texas Austin, Boston College, *Searle Conference on Innovation Economics* at Northwestern University School of Law, *Stanford Institute for Theoretical Economics* (SITE) Workshop, *NBER Summer Institute Industrial Organization Workshop*, Tohoku University, *Summer Workshop on Economic Theory* (SWET) at Hokkaido University, *Asian Meeting of the Econometric Society* at Doshisha University in Kyoto, *AIEA-NBER Conference on Innovation and Entrepreneurship* at Tsinghua University, Maryland, U.S. Department of Justice, Bates White, Japan Fair Trade Commission, MIT.
- 2015 British Columbia, *Flows of Goods and Technologies in the Global Economy Conference* at U Chicago, UC Berkeley, IIOC, Stanford, *CRES Foundations of Business Strategy Conference* at Washington University in St. Louis, Society for Economic Dynamics (Warsaw, Poland), NBER Summer Institute *Productivity/Innovation Meeting*, *Conference on International Trade and FDI* at Hitotsubashi University, *Econometric Society World Congress* in Montreal, Purdue, U of Illinois Urbana-Champaign, Northwestern, *FTC Microeconomics Conference*, NBER Productivity Seminar, Northeastern, Yale.
- 2014 Wisconsin Madison, *Ghoshal Conference on Managerially Relevant Research* at London Business School, *Searle Center Conference on Innovation Economics* at Northwestern University School of Law, *CIRPÉE Conference on Industrial Organization* at HEC Montréal, Arizona, Carnegie Mellon & Pittsburgh, Federal Reserve Board of Governors, Stanford.
- 2013 Hitotsubashi, REER, Connecticut, Rochester Simon, MIT, LSE, Pennsylvania State, Toronto Rotman, *China India Insights Conference*, NYU Stern IO Day, Hitotsubashi, Waseda, Japan Productivity Center, U Tokyo IO Conference, Econometric Society, IIOC, AEA.
- 2012 Chicago Booth (Marketing), Princeton, Stanford GSB (Economics & Marketing), Wisconsin Madison, Columbia, Keio, *Kyoto Summer Workshop on Applied Economics*, NYU Stern, UC Berkeley Haas (BPP), Maryland, Notre Dame, Dartmouth Tuck, Yale (Dept & SOM Marketing), Harvard (Dept & HBS Strategy), UBC Sauder, Western Ontario Ivey.
- 2011 Roundtable for Engineering Entrepreneurship Research (REER), TADC, International Industrial Organization Conference (IIOC), FREIT EITI Conference.
- 2010 Trans-Atlantic Doctoral Conference (TADC), UC Berkeley (Agricultural & Resource Economics), FREIT Empirical Investigations in Trade and Investment (EITI) Conference.
- 2007 Japanese Economic Association Meeting.

## Teaching

Econ 256 “The Economics of Strategy” (undergraduate lecture on IO & econometrics)

Spring 2016, Spring 2017.

Econ 410 “The Economics of Innovation” (undergraduate lecture/seminar on IO & innovation)

Spring 2013, Spring 2014, Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2021.

Econ 429 “Data Analysis and Strategy” (undergraduate lecture on econometrics & IO)

Spring 2019, Spring 2020, Spring 2021.  
Econ 600/601 “Industrial Organization” (2<sup>nd</sup>-year Ph.D sequence)  
Spring 2013, Spring 2014, Fall 2015, Fall 2016, Fall 2018, Fall 2019, Fall 2020.

**Referee Services**

American Economic Journal: Microeconomics, American Economic Review, Econometrica, European Economic Review, International Economic Review, International Journal of Industrial Organization, Japanese Economic Review, Journal of Agricultural Economics, Journal of Development Economics, Journal of Economics and Management Strategy, Journal of the European Economic Association, Journal of Industrial Economics, Journal of Political Economy, Journal of Product Innovation Management, Management Science, Marketing Science, Quantitative Economics, Quantitative Marketing and Economics, Quarterly Journal of Economics, RAND Journal of Economics, Research Policy, Review of Economics and Statistics, Review of Economic Studies, Review of Industrial Organization.

**Yale University Committee Services**

Course of Study Committee, Departmental Ph.D Admission Committee.