

Daisuke Oyama

Professor

Faculty of Economics

University of Tokyo

Hongo, Bunkyo-ku

Tokyo 113-0033, Japan

E-mail: oyama@e.u-tokyo.ac.jp

Web page: www.oyama.e.u-tokyo.ac.jp

Date of birth: February 3, 1974

Citizenship: Japanese

Education

Ph.D., Graduate School of Economics, University of Tokyo (March 2003)

M.A., Graduate School of Economics, University of Tokyo (March 2000)

B.A., College of Arts and Sciences, University of Tokyo (March 1998)

Positions

Employment

Professor, Faculty of Economics, University of Tokyo (April 2020-present)

Associate Professor, Faculty of Economics, University of Tokyo (October 2013-March 2020)

Assistant Professor, Faculty of Economics, University of Tokyo (October 2010-September 2013)

Lecturer, Graduate School of Economics, Hitotsubashi University (April 2006-September 2010)

JSPS Research Fellow, Graduate School of Economics, University of Tokyo (April 2003-March 2006)

Visiting

Department of Economics, National University of Singapore (Fall 2012-Spring 2013)

Paris School of Economics (Fall 2008-Spring 2009)

Department of Economics, University of Vienna (Fall 2004-Spring 2005)

Department of Economics, University of Wisconsin-Madison (Spring 2004)

Department of Economics, University of Vienna (Spring 2003)

Department of Economics, University of Illinois at Urbana-Champaign (Fall 2002)

Research

Fields

Game theory, microeconomic theory and applications

Publications

- [1] “ p -Dominance and Equilibrium Selection under Perfect Foresight Dynamics,” *Journal of Economic Theory* **107** (2002), 288-310.
- [2] “A Model of a Spatial Economy with Trading Posts” (with Munetomo Ando), *Economics Bulletin* **18** (2002), 1-11.
- [3] “Booms and Slumps in a Game of Sequential Investment with the Changing Fundamentals,” *Japanese Economic Review* **55** (2004), 311-320.
- [4] “Rationalizable Foresight Dynamics” (with Akihiko Matsui), *Games and Economic Behavior* **56** (2006), 299-322.
- [5] “Monotone Methods for Equilibrium Selection under Perfect Foresight Dynamics” (with Josef Hofbauer and Satoru Takahashi), *Theoretical Economics* **3** (2008), 155-192.
- [6] “History versus Expectations in Economic Geography Reconsidered,” *Journal of Economic Dynamics and Control* **33** (2009), 394-408.
- [7] “Iterated Potential and Robustness of Equilibria” (with Olivier Tercieux), *Journal of Economic Theory* **144** (2009), 1726-1769.
- [8] “Monotone and Local Potential Maximizers in Symmetric 3×3 Supermodular Games” (with Satoru Takahashi), *Economics Bulletin* **29** (2009), No.3, 2132-2144.
- [9] “Agglomeration under Forward-Looking Expectations: Potentials and Global Stability,” *Regional Science and Urban Economics* **39** (2009), 696-713.
- [10] “Robust Equilibria under Non-Common Priors” (with Olivier Tercieux), *Journal of Economic Theory* **145** (2010), 752-784.
- [11] “On the Impact of Trade on the Industrial Structures of Nations” (with Yasuhiro Sato, Takatoshi Tabuchi, and Jacques-François Thisse), *International Journal of Economic Theory* **7** (2011), 93-109.

- [12] “On Efficient Partnership Dissolution under Ex Post Individual Rationality” (with Stefano Galavotti and Nozomu Muto), *Economic Theory* **48** (2011), 87-123.
- [13] “Perfect Foresight Dynamics in Binary Supermodular Games” (with Josef Hofbauer and Satoru Takahashi), *International Journal of Economic Theory* **7** (2011), 251-267.
- [14] “On the Relationship between Robustness to Incomplete Information and Noise-Independent Selection in Global Games” (with Satoru Takahashi), *Journal of Mathematical Economics* **47** (2011) 683-688.
- [15] “On the Strategic Impact of an Event under Non-Common Priors” (with Olivier Tercieux), *Games and Economic Behavior* **74** (2012), 321-331.
- [16] “Sampling Best Response Dynamics and Deterministic Equilibrium Selection” (with William H. Sandholm and Olivier Tercieux), *Theoretical Economics* **10** (2015), 243-281.
- [17] “Contagion and Uninvadability in Local Interaction Games: The Bilingual Game and General Supermodular Games” (with Satoru Takahashi), *Journal of Economic Theory* **157** (2015), 100-127.
- [18] “On the (Non-)Differentiability of the Optimal Value Function When the Optimal Solution Is Unique” (with Tomoyuki Takenawa), *Journal of Mathematical Economics* **76** (2018), 21-32.
- [19] “Generalized Belief Operator and Robustness in Binary-Action Supermodular Games” (with Satoru Takahashi), *Econometrica* **88**, 693-726 (2020).

Working Papers and Work in Progress

- [20] “Labor Market Frictions and Industrial Structures in a Global Economy” (with Noritaka Kudoh).
- [21] “Mean-Field Approximation of Forward-Looking Population Dynamics” (with Ryota Iijima).
- [22] “Equilibrium Dynamics in a Model of Growth and Spatial Agglomeration” (with Shota Fujishima).
- [23] “Implementation via Information Design in Binary-Action Supermodular Games” (with Stephen Morris and Satoru Takahashi).

Selected Conference Presentations

Fifth Spanish Meeting on Game Theory, Sevilla (July 2002)
2003 Annual Meeting of the Society of Economic Dynamics, Paris (June 2003)
XV Italian Meeting on Game Theory and Applications, Urbino (July 2003)
North American Winter Meeting of the Econometric Society, San Diego (January 2004)
Second World Congress of the Game Theory Society, Marseille (July 2004)
Ninth World Congress of the Econometric Society, London (August 2005)
22nd Congress of the European Economic Association, Budapest (August 2007)
Third Congress of the Game Theory Society, Evanston (July 2008)
PET 2009, Galway (June 2009)
10th SAET Conference on Current Trends in Economics, Singapore (August 2010)
11th SAET Conference on Current Trends in Economics, Faro (June 2011)
2011 Asian Meeting of the Econometric Society, Seoul (August 2011)
Fourth Congress of the Game Theory Society, Istanbul (July 2012)
13th SAET Conference on Current Trends in Economics, Paris (July 2013)

Editorial

Associate Editor, *Journal of Dynamics and Games* (2012-), *Journal of Mathematical Economics* (2017-2019), *Games* (2018-)

Refereeing

American Economic Review, *Econometrica*, *Economic Journal*, *Economic Theory*, *Economic Theory Bulletin*, *Economics Letters*, *Games and Economic Behavior*, *Hitotsubashi Journal of Economics*, *International Journal of Game Theory*, *Japanese Economic Review*, *Journal of Economic Behavior and Organization*, *Journal of Economic Dynamics and Control*, *Journal of Economic Geography*, *Journal of Economic Theory*, *Journal of Mathematical Economics*, *Journal of Regional Science*, *Journal of Urban Economics*, *Mathematical Social Sciences*, National Science Foundation, *Regional Science and Urban Economics*, *Spatial Economic Analysis*, *Theoretical Economics*

Teaching

Intermediate Microeconomics, University of Vienna (Spring 2003)
Game Theory, University of Vienna (Spring 2005)
Advanced Microeconomics, Hitotsubashi University
Intermediate Microeconomics, Hitotsubashi University

Introductory Microeconomics, Hitotsubashi University
Microeconomics, Hitotsubashi University
Theoretical Economics, Hitotsubashi University
Mathematical Economics, Hitotsubashi University
Intermediate Microeconomics, University of Tokyo
Advanced Microeconomics, University of Tokyo
Game Theory, University of Tokyo
Mathematics for Economists, University of Tokyo
Topics in Economic Theory, University of Tokyo

November 10, 2020