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HOME ADDRESS

30-8-401 NishinokyoHigashigekkocho
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BUSINESS ADDRESS

Institute of Economic Research
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PERSONAL DATA

Japanese, born in Tokyo on May 14, 1969.
Married with a son.

EMPLOYMENT

1997-1999, Research Fellow of the Japan Society for the Promotion of Science
1999-2001, Assistant Professor, Faculty of Economics, Kobe University
2001-2002, Associate Professor, Graduate School of Economics, Kobe University
2002-2013, Associate Professor, Institute of Economic Research, Kyoto University
2013-present, Professor, Institute of Economic Research, Kyoto University

EDUCATION

University of Tokyo, Ph.D. in Economics, September 1997.
University of Tokyo, M.A. in Economics, March 1995.
University of Tokyo, B.A. in Economics, March 1992.

DISSERTATION

Title: Information Structure and Efficiency in Long-run Relationships
Date of Ph.D.: September 17, 1997.
Advisor: Michihiro Kandori

PUBLICATIONS

1997, "Efficiency in Repeated Prisoner's Dilemma with Private Monitoring," *Journal of Economic Theory*, 76, 345-361.

2001, "A Negative Result in Finitely Repeated Games with Product Monitoring," *Economics Letters*, 74, 67-70.

2002, "Private Strategies in Finitely Repeated Games with Imperfect Public Monitoring" (joint with George Mailath and Steven Matthews), *Contributions to Theoretical Economics*, Vol. 2, Issue 1, ISSN (Online) 1534-5971

2002, "The Maximum Efficient Equilibrium Payoff in the Repeated Prisoners' Dilemma" (joint with George Mailath and Ichiro Obara), *Games and Economic Behavior*, 40, 99-122.

2002, "Existence of Nontrivial Equilibria in Repeated Games with Imperfect Private Monitoring," *Games and Economic Behavior*, 40, 299-321.

2005, "Uniqueness of Equilibrium Payoffs in Finitely Repeated Games with Imperfect Monitoring," *Japanese Economic Review*, 56, 317-331.

2006, "Reputation and Turnover" (joint with Rafael Rob), *RAND Journal of Economics*, 37, 341-361.

2008, "The Folk Theorem for Repeated Games with Observation Costs" (joint with Eiichi Miyagawa and Yasuyuki Miyahara), *Journal of Economic Theory*, 139, 192-221.

2013, "Finitely Repeated Games with Monitoring Options" (joint with Yasuyuki Miyahara), *Journal of Economic Theory*, 148, 1929-1952.

2015, "Multimarket Contact under Demand Fluctuations," *International Journal of Game Theory*, 44, 1033-1048.

2016, "Optimal Sharing Rules in Repeated Partnerships" (joint with Hajime Kobayashi and Katsunori Ohta), *Journal of Economic Theory*, 166, 311-323.

OTHER PUBLICATIONS

2001, "On the Role of Mixed Strategies in Repeated Games with Imperfect Private Monitoring", *Kobe University Economic Review*, 46, 77-90.

2001, "On the Uniqueness of Equilibrium Payoffs in Finitely Repeated Games with Imperfect Monitoring," (Yuugen Kai Kurikaeshi Gemu no Kinkou Ritoku no Ichiisei ni Tsuite) *Kokumin Keizai Zasshi*, 184, Vol. 5, 61-70. (in Japanese)

2002, “Resurgence of the Abreu-Milgrom-Pearce Formula,” *Kobe University Economic Review*, 47, 43-60.

2016, “Repeated Multimarket Contact with Observation Errors” (joint with Atsushi Iwasaki, Shun Yamamoto, and Makoto Yokoo), in *Algorithmic Game Theory* (Proceedings of the 9th International Symposium on Algorithmic Game Theory (SAGT 2016)), ed. by M. Gairing and R. Savani, Springer, 344-345.

2017, “Achieving Sustainable Cooperation in Generalized Prisoner’s Dilemma with Observation Errors” (joint with Fuuki Shigenaka, Atsushi Iwasaki, and Makoto Yokoo), in *Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI-2017)*, 677-683.

2018, “Repeated Triangular Trade: Sustaining Circular Cooperation with Observation Errors” (joint with Kota Shigedomi, Atsushi Iwasaki, and Makoto Yokoo), in *PRIMA 2018: Principles and Practice of Multi-Agent Systems*, ed. by T. Miller, N. Oren, Y. Sakurai, I. Noda, B.T.R. Savarimuthu, and T.C. Son, 242-257.

2020, “Repeated Multimarket Contact with Private Monitoring: A Belief-Free Approach” (joint with Atsushi Iwasaki, Shun Yamamoto, and Makoto Yokoo), in *Proceedings of the 34th AAAI Conference on Artificial Intelligence (AAAI-2020)*, 2038-2045.

WORKING PAPERS

2001, “Product Quality, Reputation and Turnover” (joint with Rafael Rob), CARESS Working Paper, No. 01-11, University of Pennsylvania.

2001, “On the Implementability Condition in Agency Models,” Discussion Paper, No. 0114, Kobe University.

2003, “Repeated Games with Observation Costs” (joint with Eiichi Miyagawa and Yasuyuki Miyahara), Discussion Paper, No. 565, Kyoto Institute of Economic Research, Kyoto University.

2008, “Optimal Sharing Rules in Repeated Partnerships” (joint with Hajime Kobayashi and Katsunori Ohta), Discussion Paper, No. 650, Kyoto Institute of Economic Research, Kyoto University.

2013, “Multimarket Contact under Demand Fluctuations: A Limit Result,” Working Paper, No. E-52, Tokyo Center for Economic Research.

2016, “Finitely Repeated Games with Automatic and Optional Monitoring” (joint with Yasuyuki Miyahara), Discussion Paper, 2016-12, Graduate School of Business Administration, Kobe University.

2016, “Repeated Games with Recursive Utility: Cournot Duopoly under Gain/Loss Asymmetry” (joint with Katsutoshi Wakai), Discussion Paper, No. E-16-006, Graduate School of Economics, Kyoto University.

2021, “Full Collusion with Entry and Incomplete Information” (joint with Ramakanta Patra), Discussion Paper, No. 1055, Kyoto Institute of Economic Research, Kyoto University.

FELLOWSHIP, HONORS, AWARDS

1992, Ohuchi-Hyoue Prize, an award for distinguished senior papers submitted to Faculty of Economics, University of Tokyo.

1994-1997, Nihon-Ikueikai Scholarship.

2014, JSPS Prize.

PROFESSIONAL ACTIVITIES (EDITORIAL)

Associate Editor, *Journal of Mathematical Economics* (2013-2019).

PROFESSIONAL ACTIVITIES (CONFERENCES)

Program Committee, 2012 Asia Meeting for the Econometric Society.

Program Committee, 2016 Asia Meeting for the Econometric Society.

Program Committee, Econometric Society World Congress 2020.

Program Committee, 2021 Asia Meeting of the Econometric Society.

VISITING POSITIONS

Visiting Scholar, Department of Economics, Harvard University, USA, September 1997-June 1998.

Visiting Scholar, Department of Economics, University of Pennsylvania, USA, September 1998-August 2000.

Visiting Scholar, Department of Economics, Northwestern University, USA, April-June 2013.

Visiting Faculty, Cowles Foundation for Research in Economics, Yale University, USA, April 22-26, 2013.

Visiting Scientist, RIKEN Center for Advanced Intelligence Project, Japan, June 2017-March 2020.

Short-Term Visitor, Wallis Institute of Political Economy, University of Rochester, USA, March 2019.

CONFERENCES

International Conference on Game Theory (State University of New York at Stony Brook, 1996, 98, 99, 2003, 10, 13, 17; as a plenary speaker, 2014), European Meeting of

the Econometric Society (Humboldt University, 1998; Stockholm University, 2003; Bocconi University, 2008; Barcelona GSE, 2009; University of Lisbon, 2017), Young Economists Meeting (University of Amsterdam, 1999), Cowles Conference on “Repeated Games with Private Monitoring” (Yale University, 2000, as an invited speaker), Far Eastern Meeting of the Econometric Society (Kobe University, 2001; University of Tokyo, 2009), RAMP Symposium (in Kyoto, 2002), WZB Conference on Markets and Political Economy (WZB, 2004), SED Meeting (Prague, 2007), International Conference on Economic Theory (Kyoto, 2008), Workshop on Recent Advances in Repeated Games (State University of New York at Stony Brook, 2008), Symposium of Japanese-French Frontiers of Science (Hayama in Japan, 2009), Meeting of the Canadian Economics Association (Toronto, 2009; Quebec City, 2010; Ottawa, 2016), SAET Conference (Singapore, 2010; Faro, 2011; Taipei, 2018), Asia Joint Workshop in Economics (Taipei, 2011), SING Meetings (Paris, 2011; St. Petersburg, 2015; Turku, 2019), Latin American Meeting of the Econometric Society (Adolfo Ibanez University, 2011), World Congress of the Game Theory Society (Istanbul Bilgi University, 2012), Bristol-Kyoto Symposium, UECE Lisbon Meetings in Game Theory and Applications (2013, 14, 16, 19), Annual Meeting of the Midwest Economics Association (2014, 15, 17), North American Summer Meeting of the Econometric Society (University of Minnesota, 2014), Japan-Taiwan-Hong Kong Contract Theory Conference (Hong Kong, 2014), World Congress of the Econometric Society (Montreal, 2015), Workshop on Stochastic Games (National University of Singapore, 2015), Asia Meeting of the Econometric Society (Chinese University of Hong Kong, 2017; Sogang University, 2018), Shanghai Microeconomics Workshop (2017), Pan Pacific Game Theory Conference (Waseda University, 2017), Annual Meeting of the Southern Economic Association (2020)

SEMINARS

Tokyo Metropolitan University, Tohoku University, Kobe University, Kyoto University, Osaka University, Keio University, Kyusyu University, University of Tokyo, Hitotsubashi University, Waseda University, Doshisha University, Otaru University of Commerce, Northwestern University, Washington University St. Louis, University of Pennsylvania, Osaka Prefecture University, University of Cambridge, University of Bristol, University of Tsukuba, Yonsei University, Maastricht University, Shanghai Jiao Tong University, Nihon University, Yokohama National University, Paris School of Economics, Okayama University, Shanghai University of Finance and Economics, Penn State University, Kansai University, Yale University, Kwansai Gakuin University, Singapore Management University, Aboa Centre for Economics, Helsinki Center of Economic Research, Shandong University, University of Rochester

REFEREES

International Journal of Game Theory, Journal of Economic Theory, Review of Economic Dynamics, Econometrica, Review of Economic Studies, Japanese Economic Review, Review of International Economics, Games and Economic Behavior, International Economic Review, Journal of Political Economy, RAND Journal of Economics, Journal of Mathematical Economics, Journal of Economics and Management Strategy, Economic Theory, Theoretical Economics, American Economic Review, Kyoto

Economic Review, International Game Theory Review, American Economic Journal:
Microeconomics, International Journal of Industrial Organization

FOREIGN LANGUAGE

Japanese

CITIZENSHIP

Japanese