

Curriculum Vitae

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Education

Ph.D., Economics, University of Rochester, 1992
M.A., Economics, University of Rochester, 1991
B.A., Social Sciences, University of Tsukuba, Japan, 1984

Employment

Professor, Department of Social Engineering, Tokyo Institute of Technology, 2009-present
Professor, Department of Value and Decision Science, Tokyo Institute of Technology, 2001-2009
Professor, Department of Economics, Tokyo Metropolitan University, 2000-2001
Associate Professor, Department of Economics, Tokyo Metropolitan University, 1995-2000.
Assistant Professor, Department of Economics, Toyo University, 1992-1995

Fellowships and Awards

Grant in Aid for Scientific Research of the Ministry of Education, Science and Culture in Japan, 1993, 1995, 1999-2000, 2003-2006; 2007-12; 2008-11; 2014-18, University Fellowship, University of Rochester, 1988-1991; Japan Ikuekai Scholarship, 1980-1989.

Fields of Specialization

Microeconomic Theory, Experimental Economics, Game Theory, Mechanism Design, Public Economics, Industrial Organization

Publications in Refereed Journals and Books

- [1] "Sequentially Stable Coalition Structures under Restricted Coalitional Changes," with Yukihiro Funaki, *International Game Theory Review*, 2013, forthcoming.
- [2] "Impact of Ethnicities on Market Outcome: Results of Market Experiments in Kenya," with Ken-Ichi Shimomura, in *Ethnic Diversity and Economic Instability in Africa: Interdisciplinary Perspectives*, Hiroyuki Hino, John Lonsdale, Gustav Ranis and Frances Stewart, eds., Cambridge University Press, 286-313, 2012.
- [3] "Fundamental Impossibility Theorems on Voluntary Participation in the Provision of Non-Excludable Public Goods," with Tatsuyoshi Saijo, *Review of Economic Design*, 14, 2010, 51-73.

- [4] "Simple Economies with Multiple Equilibria," with Theodore C. Bergstrom and Ken-Ichi Shimomura, *The B.E. Journal of Theoretical Economics*, Vol. 9 (2009), Issue 1, Article 43.
- [5] "A Choice of Auction Format in Seller Cheating: A Signaling Game Analysis," with Takahiro Watanabe, *Economic Theory*, 36 (2008), 57-80.
- [6] "Cheating in Second Price Auctions with Affiliated Values," with Takahiro Watanabe, in *Electronic Commerce: Theory and Practice*, M. Yokoo et al. eds., Springer-Verlag, 61-72, 2008.
- [7] "Secure Implementation," with Tatsuyoshi Saijo and Tomas Sjöström, *Theoretical Economics*, 2 (2007), 203–229.
- [8] "Secure Implementation Experiments: Do Strategy-proof Mechanisms Really Work?" with Timothy N. Cason, Tatsuyoshi Saijo, and Tomas Sjöström, *Games and Economic Behavior*, 57, November 2006, 206-235.
- [9] "The Uniqueness of a Reduced Game in a Characterization of the Core by Means of Consistency," with Yukihiro Funaki, in *Advances in Dynamic Games: A. Haurie et al. eds.*, Birkhäuser Boston, 147-162, 2006.
- [10] "Non-Excludable Public Good Game Experiments," with Timothy N. Cason, Tatsuyoshi Saijo, and Konomu Yokotani, *Games and Economic Behavior*, 49, October 2004, 81-102.
- [11] "Voluntary Participation and Spite in Public Good Provision Experiments: An International Comparison," with Timothy N. Cason and Tatsuyoshi Saijo, *Experimental Economics*, 5, October 2002, 133-153.
- [12] "The Core and Consistency Properties: A General Characterization," with Yukihiro Funaki, *International Game Theory Review*, 3, June-September 2001, 175-187.
- [13] "Characterizing Natural Implementability: The Fair and Walras Correspondences," with Tatsuyoshi Saijo and Yoshikatsu Tatamitani, *Games and Economic Behavior*, 28, August 1999, 271-293.
- [14] "The Core of an Economy with a Common Pool Resource: A Partition Function Form Approach," with Yukihiro Funaki, *International Journal of Game Theory*, 28, May 1999, 157-171.
- [15] "Nash Implementation and Double Implementation: Equivalence Theorems," *Journal of Mathematical Economics*, 31, March 1999, 215-238.
- [16] "A Voluntary Participation Game with a Non-Excludable Public Good," with Tatsuyoshi Saijo, *Journal of Economic Theory*, 84, February 1999, 227-242.
- [17] "Toward Natural Implementation," (with Tatsuyoshi Saijo and Yoshikatsu Tatamitani) *International Economic Review*, 37, November 1996, 949-980.

- [18] "Natural Implementation with a Simple Punishment," with Tatsuyoshi Saijo and Yoshikatsu Tatamitani, *Japanese Economic Review*, 47, June 1996, 170-185.
- [19] "Equivalence of Nash Implementability and Robust Implementability with Incomplete Information," *Social Choice and Welfare*, 11, October 1994, 289-303.
- [20] "Double Implementation in Nash and Undominated Nash Equilibria," *Journal of Economic Theory*, 59, April 1993, 311-323.
- [21] "On Nash Implementation of Social Choice Correspondences," *Games and Economic Behavior*, 4, July 1992, 484-492.
- [22] "On the Exchange of Cost Information in a Bertrand-type Duopoly Model," with Yasuhiro Sakai, *Economic Studies Quarterly*, 30, March 1990, 48-64.
- [23] "Oligopoly, Information and Welfare," with Yasuhiro Sakai, *Journal of Economics (Zeitschrift für Nationalökonomie)*, 49, January 1989, 3-24.

Working Papers

- [24] "Individuals, Teams and Hometowns in an Experimental Market in China," with Qin, X., Shen, J., and Shimomura, K.-I., RIEB Discussion Paper, Kobe University, No. DP2013-28, 2013.
- [25] "Market Equilibrium and the Core of Discrete Exchange Economies," with Masui, M., Ohtaka, T., Shimomura, K.-I. and Takahashi, K., Discussion Paper, Tokyo Institute of Technology, 2012.
- [26] "Sequentially Stable Coalition Structures," with Yukihiro Funaki, CentER Discussion Papers No. 2007-96, Tilburg University, November 2007.

Conference Organization

Member of the program committee, the First Conference of Japan-branch of ESA, Shinsyu University, October 2005.

Member of the program committee, the 2005 Fall Meeting of the Japanese Economic Association, Chuo University, October 2005.

Member of the program committee, the Seventh International Meeting of the Society for Social Choice and Welfare, Osaka University, Japan, July 2004

Organizer, Member of the program committee, the Ninth Decentralization Conference in Japan, Tokyo Institute of Technology, October 2003.

Member of the program committee, the 2000 Fall Meeting of the Japanese Economic Association, Osaka Prefecture University, September 2000.

Referee

Econometrica, Economics Bulletin, Economic Studies Quarterly, Environmental Economics and Policy Studies, Games and Economic Behavior, International Economic Review, International Journal of Game Theory, Japanese Economic Review, Journal of the Japanese and International Economies, Journal of Economic Theory, Journal of Public Economic Theory, Journal of Public Economics, Journal of the Operations Research Society of Japan, Managerial and Decision Economics, Mathematical Social Sciences, Review of Economic Design, Social Choice and Welfare, The B.E. Journal of Theoretical Economics.

Japanese Articles:

日本語論文（査読付き雑誌掲載）

- [27] 「自然なメカニズム・デザインをめざして」（共同研究者 西條辰義），鈴木・長岡・花崎（編）『経済制度の生成と設計』，第2章，東京大学出版会 2006年.
- [28] 「セキュア遂行：理論と実験」（共同研究者 西條辰義），『経済研究』，Vol. 58, No. 2, 2007年, 122-135.

日本語論文

- [29] 「寡占市場の均衡と情報の役割」（共同研究者 阿比留正弘）『福岡大学経済学論叢』30, 1986年3月, 259-292.
- [30] 「経済理論モデルのシミュレーションー環境問題への経済学的アプローチ」, 新田・大杉（編）『経済・社会学のためのコンピューター入門』，第10章，朝倉書店, 1994年4月.
- [31] 「協力の創発」（共同研究者 ティモシー・ケイソン, 西條辰義, 横谷好）『三田学会雑誌』91, 1998年4月, 97-103.
- [32] 「京都議定書上の排出量取引等に対するEUの数量制約提案の経済的帰結」（共同研究者 戒能一成, 西條辰義）『エネルギー・資源』21, 2000年3月, 38-42.
- [33] 「ゲームと実験」, 『OR辞典2000』, 日本オペレーションズ・リサーチ学会編, 2000年5月.
- [34] 「公共財供給」（共同研究者 西條辰義），中山・船木・武藤編著『ゲーム理論で解く』有斐閣 2000年11月.
- [35] 「「いじわる」は協力の源泉になりえるのか？」（共同研究者 西條辰義, 山田典一）『遺産』56巻3号, 2002年5月, 61-65.
- [36] 「経済学における実験アプローチの役割」（共同研究者 船木由喜彦）『ESP』, 2002年12月, 47-51.

- [37] 「議員定数配分方式について：定数削減，人口変動，整合性の観点から」『オペレーションズ・リサーチ』，2003年1月，23-29.
- [38] 「経済実験におけるスパイト行動」『彦根論叢』（酒井泰弘教授退職記念論文集）第357号，2006年1月，47-65.
- [39] 「公共財供給実験におけるいじわる行動」（共同研究者 西條辰義），西條（編）『実験経済学への招待』，NTT出版，2007年4月，135-159.
- [40] 「公共プロジェクトのメカニズム・デザイン」，中山・武藤・船木編著『ゲーム理論アプリケーションブック』，第6章、東洋経済新報社，2013年。