

CURRICULUM VITAE

Kazuo Nishimura

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| Citizenship | Japanese |
| Marital Status | Married with two children |
| Teaching Fields | Microeconomics, General Equilibrium Theory, Capital Theory, International Trade, Mathematical Economics, Macroeconomics, Business Cycle Theory |
| Education | Ph.D. in Economics, University of Rochester, 1977 M.A. in Economics, University of Rochester, 1975 M.A. in Agriculture Economics, University of Tokyo, 1972 B.A. in Agriculture Economics, University of Tokyo, 1970 |
| Ph.D. Thesis | “On the Problems of Uniqueness” 1977, University of Rochester Thesis supervisor, Professor Lionel W. McKenzie |

Honors and Awards

The Order of the Sacred Treasure, Gold and Silver Star, November, 2019: decorated for distinguished works on Nonlinear Economic Dynamics.

Best Presentation Award: “Science Subjects Studied and Relation to Income after University Graduation: An Empirical Analysis in Japan,” *18th International Conference on Educational and Instructional Technology*, October, 2016

Lifescience Global Editor's Choice, “Mathematics & Science Education and Income: An Empirical Study in Japan” (with Junichi H., Junko U. and Tadashi Y.) , *Journal of Reviews on Global Economics* , Feb. 2012

Selected to be a member of the Japan Academy, December 2012

The Medal with Purple Ribbon, November, 2012: decorated for distinguished works on Nonlinear Economic Dynamics.

Kyoto Newspaper Grand Award in Academics, November, 2010: Award to pioneering works on Nonlinear Economic Dynamics

Nikkei Prize for Excellent Books in Economic Science, November, 2008

Honorary Degree of Doctor, University of Aix- Marseilles II , November, 2007

Publication Prize, Mathematical Society of Japan, March 2005: Award to a book on mathematical education

Selected to be a Fellow of the Econometric Society, November 1992

Peter Conivear Prize, University of Rochester, May 1976: Award to the best second year paper presented to the department during 1974-1975

Norman M. Kaplan Prize, University of Rochester, April 1975: Award to the Ph.D. candidate who, having completed two years of full time graduated study in the department of Economics, has given evidence of excellent scholarship through his performance in graduate courses.

Special issues and Selected papers published in honor of Kazuo Nishimura

Business cycles and indeterminacy in economic models: a special issue in Honor of Professor Kazuo Nishimura, Edited by Ippei Fujiwara and Makoto Yano, *Studies in Nonlinear Dynamics & Econometrics* 23, Issue 4, 2019 De Gruyter

Nonlinear Dynamics in Equilibrium Models-Chaos, Cycles and Indeterminacy: Selected Papers by Kazuo Nishimura, Edited by John Stachurski, Alain Venditti, and Makoto Yano, Springer 2012

Special Issue in Honor of Kazuo Nishimura: Nonlinear Dynamics in Equilibrium Models, Edited by John Stachurski, Alain Venditti and Makoto Yano, *Macroeconomic Dynamics* 16, Issue S1, April, 2012 Cambridge University Press

Symposium in Honor of Kazuo Nishimura, Edited by Jess Benhabib and Tapan Mitra, *Journal of Difference Equations and Applications* 13, 2007, Taylor & Francis

Major Research Projects

21st Century COE Program "Interfaces for Advanced Economic Analysis," 2003-2008
The research grant was funded by the Ministry of Education, Culture, Sports, Science and Technology(MEXT) has made prominent research.

Institute of Complex Adaptive Matters(ICAM) Kyoto Branch, 2005.7-
Department of Physics I and Institute of Economic Research have become a Kyoto Branch of ICAM which is a Muticampus Research Program of the University of California.

Center of Excellence on the Studies of Complex Economic Systems, 1997-2003
The research grant was funded by the Ministry of Education and Science of Japan. Five-year grant awarded to the research group that has made prominent research and gained international recognition.

Academic Appointments

Specially Appointed Professor, Center for Computational Social Science, Kobe University April,2019-

Specially Appointed Professor, Research Institute for Economics and Business Administration, Kobe University, April,2013-

Faculty Fellow, Research Institute of Economy, Trade, and Industry, November 2010-

Director, International Research Unit of Integrated Complex System Science, April 2010-2013

Specially Appointed Professor, Institute of Economic Research, Kyoto University, April 2010-

External Professor, Santa Fe Institute, July 2008-20017

Visiting Professor, The Center for International Research on the Japanese Economy, Tokyo University, April 2008-March 2009

Director, Institute of Economic Research, Kyoto University 2006-2010

Board of Governor, Institute for Complex Adaptive matter (ICAM), 2004-

Visiting Professor, University of Paris, September 2000-August 2001

Visiting Professor, University of Marseille, September 2000-August 2001

Visiting Fellow, Department of Business, University of Wien, May 1997

Visiting Fellow, Department of Economics, Cornell University, May 1996

Professor, Institute of Economic Research, Kyoto University 1987-2010

Visiting Fellow, Department of Economics, The Faculties, Australian National University, 1990 from March to May.

Associate Professor, Tokyo Metropolitan University, 1978-1987

Associate Professor, University of Southern California, 1983-1987

Assistant Professor, University of Southern California, September 1980-1981

Assistant Professor, State University of New York at Buffalo, September 1979-1980

Assistant Professor, Tokyo Metropolitan University, October 1977-1978

Assistant Professor, Dalhousie University, Canada, September 1976-1977

Research Assistant, summer 1975, Spring 1976, Summer 1976 for Professor Lionel W. McKenzie

Teaching Assistant, Modern Value Theory, 1975 for Professor Sherwin Rosen

Teaching Experience

Kyoto University 1981-1982, 1987-, Microeconomics, Growth Theory
Mathematical Economics, Nonlinear Dynamics and chaos, Business Cycle Theory

Yokohama City University 1995: Graduate Microeconomics

Hokkaido University 1995: Nonlinear Dynamics and Chaos in Economics

Chuo University 1994: Graduate Microeconomics

Saitama University 1987: Mathematical Economics

Nagoya University 1983, 1990: Mathematical Economics (Graduate)

Nagoya City University 1993: Mathematical Economics (Graduate)

Hirosaki University 1983: Mathematics of Economics (Undergraduate)

University of Tokyo 1983: Graduate Microeconomics

University of Southern California 1980-1981, 1983-1985
Economic Theory, Graduate Microeconomics, Engineering Microeconomics, International Trade Theory.

State University of New York at Buffalo 1979-1981:
Undergraduate Microeconomics, Undergraduate Macroeconomics, Graduate Microeconomics, Principles of Microeconomics

Tokyo Metropolitan University 1977-1979, 1981-1983, 1985-1987
Undergraduate Microeconomics, Undergraduate Macroeconomics, Economic Theory, Undergraduate Macroeconomics, Statistics, Principles of Economics

Dalhousie University 1976-1977:
Intermediate Microeconomics, Graduate Microeconomics, Equilibrium Theory

Appointments in Professional Organizations

Fellow of the Society for the Advancement of Economic Theory, 2020~

Distinguished Fellow of the International Engineering and Technology Institute, 2015-

International Engineering and Technology Institute, Distinguished Fellow, Sept. 2015-

President of International Society for Education, 2006-

Council Member of the Econometric Society, 1994-2001

Fellow of the Econometric Society, 1992-

Standing Committee Member of *the Far Eastern Meeting of the Econometric Society*, 1987-1993, 1994-

Member of Local Organizing Committee of *the 7th World Congress of the Econometric Society*, 1994-1995

Program Chairman of *the 1989 Far Eastern Meeting of the Econometric Society*, 1987-1989

Member of the Program Committee of *the Far Eastern Meeting of the Econometric Society* 1987, 1993, 1997, 1999

The President of the *Japanese Economic Association*, 2000-2001

The Vice-President of the *Japanese Economic Association*, 1999-2000

Editor in Chief of *The Japanese Economic Review*, 1998-2000

Council Member of *Japan Association of Economics and Econometrics*, 1989-1992, 1994-1998

Board Member of *Japan Association of Economics and Econometrics*, 1987-1992

Board Member of *Tokyo Center for Economic Research*, 1981-1983, 1985-1987

Professional Affiliations

Japanese Economic Association

Econometric Society

Journal Refereeing

Ricerche Economiche

Chaos, Soliton and Fractal

Econometrica

The Japanese Economic Review

Economic Theory

International Economic Review

Journal of Development Economics

Journal of Economic Behavior and Organization

Journal of Economic Dynamics and Control

Journal of Economic Theory

Journal of Mathematical Analysis and Applications

Journal of Public Economics

Keio Economic Review

Quarterly Journal of Economics

Review of Economic studies

Journal of Population Economics

Mathematical Social Sciences

Editorial Collaboration

Taiwan Journal of Applied Economics, a member of the Honorary International Editorial Advisory Board, since 2017

Neuroscience Communications, Smart Science & Technology, Member of Editorial Board 2015-

International Journal of Economic Theory, Basil Blackwell, Managing Editor, 2004-

Advances in Dynamical Systems and Applications, Research India Publications, Member of Editorial Board since 2006

Advances of Mathematical Economics, Springer-Verlag, Member of Editorial Board, 1998-

Annals of Financial Economics, World Scientific, Member of the Advisory Board, August 2013-

Brazilian Journal of Business Economics, Catholic University of Brasilia, Member of Advisory Board,, February 2012-

Chaos, Solitons and Fractals, Pergamon Press, Member of Editorial Board, 1990-1995

Economic Studies Quarterly, Japan Association of Economics and Econometrics, Co-Editor 1992-1995

Economic Theory, Member of Editorial Board, 1990-2000

International Journal of Dynamical Systems and Differential Equations, Nova Science Publishers, Member of Editorial Board, 2006-

Journal of Difference Equations and Applications, Gordon and Breach Publishers, Member of Editorial Board since 1997

Journal of Macroeconomics, Elsevier, Member of Editorial Board, 2003-

Journal of Informatics and Data Mining, Insight Medical Publishing, Member of Editorial Board, 2015—

Journal of Health & Medical Economics, Insight Medical Publishing, Member of Editorial Board, 2015—

Journal of Integrated Creative Studies, Kyoto University, Member of Editorial Board, 2015—

Journal of Reviews on Global Economics, Lifescience Global, Member of Editorial Board, since 2012

Journal of Risk and Financial Management, Multidisciplinary Digital Publishing Institute, Member of the Advisory Board, since August 2013

Journal of Economic Development, Chung Ang University, Member of Editorial Board since 1997

Japanese Economic Review, Basil Blackwell, Co-Editor 1995-1997, Editor in Chef 1998-2000

Journal of Economic Surveys, Basil Blackwell, Member of Advisory Board, 1990-1995

Journal of Population Economics, Springer-Verlag, Member of Editorial Board, 1995-2001

Mathematical Social Sciences, North-Holland, Member of Editorial Board, 1993-1997

Pacific Economic Review, Wiley-Blackwell, Member of Editorial Board, 2003-

Review of International Economics, Wiley Blackwell, Member of Editorial Board, 1997-

Ricerche Economiche, Academic Press, Member of Editorial Board, 1991-1997

Seoul Journal of Economics, Seoul University, Member of Editorial Board, 1996-

Studies in Nonlinear Dynamics and Econometrics, MIT Press, Member of Editorial Board since 1995

Theoretical Economics Letters, Scientific Research Publishing, Member of the Editorial Board, April 2011-

Books and Symposium Issues (Edited in English):

Creative Complex Systems, edited by Kazuo Nishimura, Masatoshi Murase and Kazuyoshi Yoshimura (edted), 2021, Springer,

General Equilibrium and Location: A Special Issue in Honor of Marcus Berliant, Edited by Masahisa Fujita, Kazuo Nishimura, Shin-Kun Peng, Ping Wang and Makoto Yano, *International Journal of Economic Theory* 16, Number 1, Wiley 2020

Market Frictions in Macroeconomic Dynamics: A Special Issue in Honor of Roger Farmer, Edited by Jess Benhabib, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 15, Number 1, Wiley 2019,

Individual Choice and Social Welfare: A Special Issue in Honor of Kotaro Suzumura, Edited by Kaushik Basu, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 14, Number 1, Wiley 2018,

Sunspots and Non-Linear Dynamic: Essays in honor of Jean-Michel Grandmont,s, Edited by Kazuo Nishimura, Alain Venditti, and Nicholas C. Yannelis, 2016 December, Springer

A Special Issue in Honor of Masahisa Fujita, Edited by Marcus Berliant, Tomoya Mori, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 13, Number 1, Wiley 2017,

A Special Issue in Economic Theory on Mathematical Economics, Game Theory and Computation-In Celebration of Professor Andy McLennan's 60th Birthday, Edited by Hülya Eraslan, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 12, Number 1, Wiley 2016,

A Special Issue on Market Quality, Trade and Dynamics in Honor of Makoto Yano, Edited by Ronald Jones, Mukul Majumdar and Kazuo Nishimura, *International Journal of Economic Theory* 11, Number 1, Wiley 2015,

A Special Issue on Trade and Trade Policy in Honor of Wilfred J. Ethier, Edited by Henrick Horn, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 10, Number 1, Wiley 2014,

A Special Issue on General Equilibrium and Growth in Honor of Cuong Le Van, Edited by Myrna Wooders, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 9, Number 1, Wiley 2013,

The Legacy of Lionel W. McKenzie: Special Issue 2, Edited by Ronald Jones, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 8, Number 2, Wiley, 2012,

The Legacy of Lionel W. McKenzie: Special Issue 1, Edited by Ronald Jones, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 8, Number 1, Wiley, 2012,

Special Issue for the 2011 APJAE Symposium on Dynamic System and World Trade, Edited by Kazuo Nishimura, *Asia-Pacific Journal of Accounting & Economics* 18, Issue 3, 2011, Taylor & Francis

A Special Issue on Game Theory and Related Topics in Honor of James Friedman, Edited by Gary Biglaiser, Kazuo Nishimura, Akira Okada and Makoto Yano, *International Journal of Economic Theory* 7, Number 1, Wiley, 2011,

A Special Issue on Growth, Sustainability and Equilibria in Honor of Tapan Mitra, Edited by Kaushik Basu, Mukul Majumdar and Kazuo Nishimura, *International Journal of Economic Theory* 6, Issue 1, Wiley, 2010,

A Special Issue on Macroeconomic Dynamics in Honor of Jess Benhabib, Edited by Roger Farmer and Kazuo Nishimura, *International Journal of Economic Theory* 5, Issue 1, March Wiley, 2009,

A Special Issue on Social Welfare, Market Equilibrium and Stability in Honor of Professor Takashi Negishi, Edited by Jean-Michel Grandmont, Kazuo Nishimura and Makoto Yano, *International Journal of Economic Theory* 4, Number 2, Blackwell, 2008,

Special Issue on Game Theory and Industrial Organization, (with Gary Biglaiser, Akira Okada, and Makoto Yano), *International Journal of Economic Theory*, Blackwell, 2011

Special Issue on Growth, Sustainability and Equilibria, (with Mukul Majumdar and Kaushik Basu), *International Journal of Economic Theory*, Blackwell, 2010

Advances in Discrete Dynamical Systems, *Advanced Studies in Pure Mathematics* 53, edited by Saber Elaydi, Kazuo Nishimura, Mitsuhiro Shishikura and Nobuyuki Tose, Mathematical Society of Japan, 2009

Equilibrium, Trade, and Growth; Selected Papers of Lionel W. McKenzie, (with Tapan Mitra), MIT Press, 2008, Cambridge, USA

Special Issue on Nonlinear Macroeconomic Dynamics, (with Makoto Yano), *International Journal of Economic Theory*, Blackwell, 2008

Handbook on Optimal Growth: 1 Discrete Time, (with Rose-Anne Dana, Cuong Le Van and Tapan Mitra), Springer, 2006

Special Issue on Instability and Fluctuations in Intertemporal Equilibrium Model, (with Cuong Le Van, Tapan Mitra and Alain Venditti), *Journal of Mathematical Economics*, Springer, 2006

The Symposium Issue in Honor of Mukul Majumdar, (with Charalambos D. Aliprantis, Tapan Mitra and Roy Radner), *Economic Theory*, Springer, 2006

Special Issue on Intertemporal Equilibria, Aggregation and Sunspots in Honor of Jean Michel Grandmont, (with Makoto Yano), *International Journal of Economic Theory*, Blackwell, 2006

Symposium on Trade and Growth, (with Makoto Yano), *The Japanese Economic Review*, Blackwell, 2006

Special Issue on Discrete-Time Dynamics in Economics, (with Makoto Yano), *Journal of Difference Equations and Applications* 10, No.5, Taylor & Francis, 2004

Symposium on Intertemporal Equilibrium Theory: Indeterminacy, Bifurcations and Stability, (with Tapan Mitra) *Journal of Economic Theory*, Academic Press, 2001

Optimization and Chaos, (edited with Mukul Mujumdar and Tapan Mitra), Springer, 2000

Symposium on Intertemporal Equilibrium Theory and Nonlinear Dynamics, (with Harutaka Takahashi), *The Japanese Economic Review* 50, No.4, Blackwell, 1999

Professional Publications (Papers):

Kazuo Nishimura, Dai Miyamoto and Tadashi Yagi, "Japan's R&D capabilities have been decimated by reduced class hours for science and math subjects," *Humanities & Social Sciences Communications*, Springer Nature, 2022, <https://www.nature.com/articles/s41599-022-01234-0>

Kazumichi Iwasa and Kazuo Nishimura, "Indeterminacy in a Model with Production Externality and Inferiority in Consumption," *International Journal of Economic Theory* 18, Issue 4, p. 607-623, 2022, 査読あり

Ken-ichi Akao, Hitoshi Ishii, Takashi Kamihigashi and Kazuo Nishimura, "Existence of an Optimal Path in a Continuous-time Nonconcave Ramsey Model," in *Pure and Applied Functional Analysis*, 7(6) 1939-1952 2022年

Takuma Kunieda and Kazuo Nishimura, "Does Financial Development Amplify Sunspot Fluctuations?" in *Pure and Applied Functional Analysis*, Vol.6, No.4, pp.777-796, 2021

Nishimura, K., Miyamoto, D. & Yagi, T. Japan's R&D capabilities have been decimated by reduced class hours for science and math subjects. *Humanit Soc Sci Commun* 9, Springer (2022). <https://doi.org/10.1057/s41599-022-01234-0>

Youngsub Chun, Kazuo Nishimura and Makoto Yano, “Introduction to the special issue in honor of William, Thomson,” *International Journal of Economic Theory* 18-1. March 2022, Wiley

Yunfang Hu, Takuma Kunieda, Kazuo Nishimura and Ping Wang, “Flying or trapped?”

Economic Theory 75, pages 341–388 (2023), 査読あり

Kazuo Nishimura and Tadashi Yagi, “Life and Workplace Satisfaction and Behaviour Change Ability—An Empirical Study in Japan,” in *Socio-Life Science and the COVID-19 Outbreak-Public Health and Public Policy*, Edited by Makoto Yano, Fumihiko Matsuda, Anavaj Sakuntabhai and Shigeru Hirota, 303-321, Springer, December 2, 2021 査読あり

Kazuo Nishimura, Tadashi Yagi and Dai Miyamoto, “Education Policy and Behavioral Change in Science Learning—An empirical analysis based on Japanese data,” in *Socio-Life Science and the COVID-19 Outbreak-Public Health and Public Policy*, Edited by Makoto Yano, Fumihiko Matsuda, Anavaj Sakuntabhai and Shigeru Hirota, 323-340, Springer, December 2, 2021 査読あり

Kazuo Nishimura, Masatoshi Murase and Kazuyoshi Yoshimura (edted), *Creative Complex Systems*, October 21, 2021, Springer,
<https://link.springer.com/book/10.1007/978-981-16-4457-3> がスプリングー社から出版されました。

Kazuo Nishimura, “David Pines and Me,” *Creative Complex Systems*, Edted by Kazuo Nishimura, Masatoshi Murase and Kazuyoshi Yoshimura, October 21, 2021, Springer, Pages 3-16 査読あり

Takuma Kunieda and Kazuo Nishimura, “Pollution, Human Capital, and Growth Cycles,” *Creative Complex Systems*, Edted by Kazuo Nishimura, Masatoshi Murase and Kazuyoshi Yoshimura, Springer, October 21, 2021, Springer, Pages 85-99 査読あり

Ichiroh Daitoh and Kazuo Nishimura, “Productive Consumption in a Two-Sector Model of Economic Development,” *Creative Complex Systems*, Edted by Kazuo Nishimura, Masatoshi Murase and Kazuyoshi Yoshimura, October 21, 2021, Springer Pages 101-111 査読あり

Kazuo Nishimura, Takaaki Aoki, Michiyo Inagawa, Yoshikazu Tobinaga and Sunao Iwaki, “Determination of Individual Differences in Mental Imagery Tasks: An Approach to Visual Thinkers and Verbal Thinkers,” *Recent Developments in Medicine and Medical Research* Vol. 15, Page 29-37, BP International, 23 November 2021

Tomoo Kikuchi, Kazuo Nishimura, John Stachurski and Junnan Zhang, “Coase Meets Bellman: Dynamic Programming for Production Networks”. *Journal of Economic Theory*

196, September 2021, DOI <https://doi.org/10.1016/j.jet.2021.105287>. 査読あり

Stefano Bosi, Teresa Lloyd-Braga and Kazuo Nishimura “Externalities of human capital,” *Mathematical Social Sciences* 112, 145- 158, 2021 査読あり

Kazumichi Iwasa and Kazuo Nishimura, “Time preference and two-country trade“, *International Journal of Economic Theory* 17, no 1, March, 2021 査読あり

Goro Kato and Kazuo Nishimura, “Toward a descent theoretic formulation for organization and emergence – An initial object sheaf α hypothesis and its consequence,” *Journal of Integrated Creative Studies*, June, 2020. 査読あり

Kazuo Nishimura, Tadashi Yagi and Makoto Yano, “Parenting methods in relation to norm awareness, social success, and perspectives of family in adulthood,” *Journal of Computational Social Science* 2020, DOI 10.1007/s42001-020-00077-6

Kazuo Nishimura, Takaaki Aoki, Michiyo Inagawa, Yoshikazu Tobinaga and Sunao Iwaki, “Mental rotation ability and spontaneous brain activity: A magnetoencephalography study,” *NeuroReport* 31, no13, 999-1005, 2020

Kazuo Nishimura, Tadashi Yagi and Dai Miyamoto, “Education for Enhancing the Abilities of Engineers – A Survey Conducted in Japan and its Analyses –” *Journal of Education and Learning* 9, No. 3, 37-46, June 2020.

Christian Ghiglino, Kazuo Nishimura and Alain Venditti “A theory of heterogeneous city growth,” *International Journal of Economic Theory* 16, No.1, 27-37 March 2020

Kazuo Nishimura and Tadashi Yagi (2019), "Happiness and Self-Determination – An Empirical Study in Japan", *Review of Behavioral Economics*: Vol. 6: No. 4, pp 385-419
Now publishers, Hanover, MA USA、 <http://dx.doi.org/10.1561/105.00000113>,

Takaaki Aoki, Kazuo Nishimura and Makoto Yano, “Two-sided altruism and time inconsistency,” *Studies in Nonlinear Dynamics and Econometrics* 23, Issue 4 (Sep 2019)
DOI: <https://doi.org/10.1515/snde-2019-0022>

Nishimura, Kazuo and Tadashi, Shigoka, “Hopf bifurcation and the existence and stability of closed orbits in three-sector models of optimal endogenous growth,” *Studies in Nonlinear Dynamics and Econometrics* 23, Issue 4 (Sep 2019) DOI: <https://doi.org/10.1515/snde-2019-0017>

Kazuo Nishimura and Makoto Yano, “In Memoriam: Professor Tapan Mitra,” *International Journal of Economic Theory* Volume 15, No 3, 2019, p.229,

Takuma Kunieda and Kazuo Nishimura, “Endogenous Business Cycles in a Perpetual Youth Model with Financial Market Imperfections,” *International Journal of Economic Theory* Volume 15, No 3, 2019, 231-248,

Cheron Arnaud, Kazuo Nishimura, Carine Nourry, Thomas Seegmuller, and Alain Venditti “Growth and Public Debt: What are the relevant Tradeoffs?” *Journal of Money, Credit and Banking* 51, Nos. 2–3 (March–April 2019), 655-682

Jess Benhabib, Kazuo Nishimura and Makoto Yano ” A Special Issue on Market Frictions in Macroeconomic Dynamics: Introduction,” *International Journal of Economic Theory*, 15, no 1, March, 2019、 3-8

Kazumichi Iwasa, Kazuo Nishimura and Makoto Yano,” Trade and Indeterminacy Revisited “, *International Journal of Economic Theory*, 15, no 1, March, 2019、 37-52

Takuma Kunieda and Kazuo Nishimura, “A Two- Sector Growth Model with Credit Market Imperfections and Production Externalities”, *Advances in Mathematical Economics*, 22, 2018, 117-137, Springer

Takuma Kunieda and Kazuo Nishimura “Finance and Economic Growth in a Dynamic Game”, *Dynamic Games and Applications*, 8, Issue 3, pp 588–600, 2018, Springer, DOI: 10.1007/s13235-018-0249-7

Takuma Kunieda, Kazuo Nishimura and Akihisa Shibata, “Specializations, financial constraints, and income distribution”, *International Review of Economics and Finance* 56 (2018) 3–14、 Elsevier, Amsterdam 査読有

Tomoo Kikuchi, Kazuo Nishimura and John Stachurski, “Span of Control, Transaction Costs and the Structure of Production Chains”, *Theoretical Economics*, May. 2018 729–760, 査読有

Kazuo Nishimura, Junichi Hirata, Tadashi Yagi, Junko Urasaka “Science Subjects Studied and Relation to Income after University Graduation– An Empirical Analysis in Japan”, *Journal of Higher Education Theory and Practice*, 18, no. 1, 2018, p49-63, North American Business Press 査読有

Goro Kato and Kazuo Nishimura, An Integrated Brain Function -Sheaf Theoretic Approach to Brain as a Conscious Entity, *Annals of Cognitive Science*, Vol1(2017), no2, 39-43, The Scholarly Pages, 査読の有, 2017, December
<http://scholarlypages.org/Articles/cognitive-science/acs-1-007.php?jid=cognitive-science>

Takaaki Aoki and Kazuo Nishimura,” Global convergence in an overlapping generations model with two-sided altruism”, *Journal of Evolutionary Economics* 27 (2017), 1205–1220, DOI 10.1007/s00191-017-0519-3

Kazuo Nishimura and Tadashi Yagi, “How Parenting Affects Children’s Futures: Empirical Study in Japan,” *Journalism and Mass Communication*, vol. 7, issue 1, 35-45, 2016,

Kazuo Nishimura , Alain Venditti, Nicholas C. Yannelis, “Introduction,“in *Sunspots and Non-Linear Dynamics: Essays in honor of Jean-Michel Grandmont*, edited by Nishimura, Venditti and Yannelis, 1-11, 2016 December, Springer,

Hiromi Murakami, Kazuo Nishimura and Tadashi Shigoka, “Homoclinic Orbit and Stationary Sunspot Equilibrium in a Three-Dimensional Continuous-Time Model with a Predetermined Variable,” in *Sunspots and Non-Linear Dynamics: Essays in honor of Jean-Michel Grandmont*, edited by Nishimura, Venditti and Yannelis, ,175-200, 2016 December, Springer,

Frédéric Dufourt. Kazuo Nishimura. Alain Venditti, “Sunspot fluctuations in two-sector models with variable income effects”, in *Sunspots and Non-Linear Dynamics: Essays in honor of Jean-Michel Grandmont*, edited by Nishimura, Venditti and Yannelis, Springer Verlag. 71-96, 2016, December,

Kazuo Nishimura, Carine Nourry, Thomas Seegmuller and Alain Venditti, “Public spending as a source of endogenous business cycles in a Ramsey model with many agents,” *Macroeconomic Dynamics*, 20, no2, pp. 504-524, 2016, Cambridge University Press, doi:10.1017/S1365100514000078

Kazuo Nishimura and Tadashi Shigoka, “An alternative proof of the theorem of Woodford on the existence of a sunspot equilibrium in a continuous-time model,” in *Essays in Economic Dynamics: Theory, Simulation Analysis, and Methodological Study*, ed. by Matsumoto, Szidarovszky and Asada, Springer, 2016, pp. 23-32,

Takuma Kunieda and Kazuo Nishimura “Consumption Externalities and Indeterminacy in a Continuous-Time Two-Sector Growth Model”, *International Journal of Dynamical Systems and Differential Equations*, Vol.6 no.4, pp358-368,2016

Toshihiko Aso, Kazuo Nishimura, Takashi kiyonaka, Takaaki Aoki, Michiyo Inagawa, Masao Matsuhashi, Yoshikazu Tobinaga and Hidehiko Fukuyama “Dynamic interactions of the cortical networks during thought suppression” *Brain and Behaviour* 6, 2016, June 16. doi: 10.1002/brb3.503,

Kazuo Nishimura, Junichi Hirata, Tadashi Yagi, Junko Urasaka”Basic Morality and Social Success in Japan”, *Journal of Informatics and Data Mining* Vol.1, No.1, 2016, Insight Medical Publishing, Delaware, USA
http://datamining.imedpub.com/basic-morality-and-social-success-in-japan.pdf

Kazuo Nishimura, Carine Nourry, Thomas Seegmuller and Alain Venditti, “Public spending as a source of endogenous business cycles in a Ramsey model with many agents,” *Macroeconomic Dynamics*, 20, 2016, 504–524. Cambridge University Press, doi:10.1017/S1365100514000078

Kazuo Nishimura, Takaaki Aoki, Michiyo Inagawa, Yoshikazu Tobinaga, Sunao Iwaki “Individual Differences in Mental Imagery Tasks: A Study of Visual Thinkers and Verbal Thinkers” *Neuroscience Communications* Vol 2 (2016), doi:10.14800/nc.1126, 査読あり open access, <http://www.smartscitech.com/index.php/nc>

- Frédéric Dufourt, Kazuo Nishimura and Alain Venditti, "Sunspot fluctuations in two-sector models: new results with additively-separable preferences", *International Journal of Economic Theory* Volume 12, No 1, 2016, 67-83 査読あり
- Raouf Boucekkine, Kazuo Nishimura and Alain Venditti, "Introduction to financial frictions and debt constraints", *Journal of Mathematical Economics*, Volume 61, Issue C, pp. 271-275, 2015
- Kazuo Nishimura, Thomas Seegmuller and Alain Venditti, "Fiscal policy, debt constraint and expectations-driven volatility", *Journal of Mathematical Economics* 61(December). p.305-316.2015
- Kazumichi Iwasa & Kazuo Nishimura, "Discrete dynamics in a two-country model with a durable good", *Journal of Difference Equations and Applications*, Vol. 21, No. 12, 2015, Taylor & Francis, 1305-1314, DOI:10.1080/10236198.2015.1071805
- Goro Kato and Kazuo Nishimura, "What is a thought process? categorical sheaf-theoretic approach," *Journal of Integrated Creative Studies*, March 2015, DOI: 10.14989/199807
<http://www2.yukawa.kyoto-u.ac.jp/~future/icis/wp/wp-content/uploads/2015/02/2015-004-a.pdf>
- Frédéric Dufourt. Kazuo Nishimura. Alain Venditti, "Indeterminacy and sunspots in two-sector RBC models with generalized no-income-effect preferences," *Journal of Economic Theory* 157, pp. 1056-1080, 2015
- Kazuo Nishimura, Takaaki Aoki, Michiyo Inagawa, Yoshikazu Tobinaga, Sunao Iwaki "Brain Activities of Visual Thinkers and Verbal Thinkers: A MEG Study," *Neuroscience Letters* Volume 594, 6 May 2015, Pages 155–160, DOI: 10.1016/j.neulet.2015.03.043
- Kazuo Nishimura, Carine Nourry, Thomas Seegmuller and Alain Venditti, "On the (de)stabilizing effect of public debt in a Ramsey model with heterogeneous agents," *International Journal of Economic Theory* Volume 11, No 1, 2015, 7-24
- Kazuo Nishimura, Alain Venditti and Makoto Yano, "Destabilization Effect of International Trade in a Perfect Foresight Dynamic General Equilibrium Model", *Economic Theory*, Volume 55, Issue 2, 2014, 357-392, 10.1007/s00199-013-0758-y
- Takaaki Aoki and Kazuo Nishimura, "On the Convergence of Optimal Solutions in Infinite Horizon Discrete Time Models", *Journal of Difference Equations and Applications* 20, Issue 5-6, 2014, 875-882, DOI:10.1080/10236198.2013.829054
- Kazumichi Iwasa and Kazuo Nishimura, "Dynamic two-country Heckscher–Ohlin model with externality," DOI: 10.1111/ijet.12027, *International Journal of Economic Theory*, 10, Issue 1, pages 53–74, March 2014, Wiley, DOI: 10.1111/ijet.12027
- School Science Studies on Incomes of Japanese University Graduates", *US-China Education Review B*, Vol3,no.9,2013,651-662.
- Junichi Hirata, Kazuo Nishimura, Junko Urasaka and Tadashi Yagi, "Mathematics & Science Education and Income: An Empirical Study in Japan," *Journal of*

Reviews on Global Economics, Vol.2,1-8,2013

Junichi Hirata, Kazuo Nishimura, Urasaka Junko and Tadashi Yagi, "Annual Incomes of University Graduates and their Science Studies during High School Periods", *Recent Advances in Modern Educational Technologies*, edited by Hamido Fujita and Jun Sasaki, pp.42-45, WSEAS Press, April 2013

"Grasping a Concept as an Image or as a Word – A Categorical Formulation of Visual and Verbal Thinking Processes," (with Goro Kato), *Journal of Scientific Research and Reports* 2, No2, 682-691, Aug. 2013

<http://www.sciencedomain.org/issue.php?iid=250&id=22>

"Destabilizing Balanced-Budget Consumption Taxes in Multi-Sector Economies," (with Carine Nourry, Thomas Seegmuller and Alain Venditti), *International Journal of Economic Theory*, 9, 2013, pp.113-130

"Ceasing Thoughts and Brain Activity: MEG Data Analysis", (with Takaaki Aoki, Michiyo Inagawa and Yoshikazu Tobinaga), in *Functional Brain Mapping and the Endeavor to Understand The Working Brain*, edited by Francesco Signorelli and Domenico Chirchiglia, 267-278, INTEC, New York, 2013

"Local Indeterminacy in Continuous-time Models: the Role of Returns to Scale," (with Jean-Philippe Garnier and Alain Venditti), *Macroeconomic Dynamics* 17, 2013, 326-335, doi:10.1017/S1365100511000137

Eric Bond, Kazumichi Iwasa and Kazuo Nishimura, Poverty Trap and Inferior Goods in a Dynamic Heckscher-Ohlin Model, *Macroeconomic Dynamics*, September 2013, pp 1227-1251,

"The Dynamic Heckscher-Ohlin Model: A Diagrammatic Analysis," (with Eric W. Bond and Kazumichi Iwasa), *International Journal of Economic Theory*, Vol.8, no.2, 197-211, 2012

"Family Expansion and Capital Accumulation of a Dynasty," (with Lakshmi K. Raut), *Journal of Microeconomics*, Vol.1, No.1, pp.107-124, January-June, 2012

"Thinking Patterns, Brain Activity and Strategy Choice," (with Akira Okada, Michiyo Inagawa and Yoshikazu Tobinaga), *Journal of Physics*, Conference Series 344, 012004/1-6, 2012.

Sunao Iwaki, Kouichi Sutani, Michiyo Inagawa, Yoshikazu Tobinaga and Kazuo Nishimura, "Individual performance in mental processing is correlated with dynamic change in the gamma-band brain activity," *Abstracts / Neuroscience Research* 71S, e145, 2011. doi:10.1016/j.neures.2011.07.627

"Monotonicity and continuity of the critical capital stock in the Dechert–Nishimura model," (with Ken-Ichi Akao, Takashi Kamihigashi), *Journal of Mathematical Economics* 47, pp 677–682, 2011

- "A Dynamic Heckscher-Ohlin Model and Inferior Goods," (with Eric W. Bond and Kazumichi Iwasa), *Asia-Pacific Journal of Accounting & Economics*, Vol.18 (3), 217- 236, December 2011
- "Multiple Equilibria in a Dynamic Two Country Model," (with Kazumichi Iwasa), in *Dimensions of Economic Theory and Policy: Essays for Anajan Mukherji*, ed. by Krishnendu Ghosh Destidar, Hiranya Mukhopadhyay and Uday Bhanu Sinha, Oxford University Press, 68-82, 2011
- "The Effects of Home Bias in a Model of Endogenous Growth," (with Eric W. Bond and Kazumichi Iwasa), *International Journal of Development and Conflict*, Vol.1 (3), 339-354, 2011
- "A Dynamic Two country Heckscher- Ohlin model with Non-homothetic Preferences," (with Eric Bond and Kazumichi Iwasa), *Economic Theory* 48, 171-204, 2011
- "Ability to Stop Thinking and Strategy Choice in Dilemma Games," (with Akira Okada and Yoshikazu Tobinaga), *International Journal of Economic Theory*, Vol.7 (1), March, 2011
- "Multiple Equilibria in Two-Sector Monetary Economies: An Interplay between Preferences and the Timing for Money," (with Stefano Bosi and Alain Venditti), *Journal of Mathematical Economics*, Vol. 46(6), pp.997-1014, November 2010
- "Perfect Simulation of Stationary Equilibria," (with John Stachurski), *Journal of Economic Dynamics & Control*, Vol. 34(4), pp.577-584, April 2010
- "Expectation-driven fluctuations and welfare loss under free trade in two-country models," (with Alain Venditti and Makoto Yano), *International Journal of Economic Theory*, Vol. 6(1), pp.97-125, March 2010
- "Economics according to Tapan Mitra: An introduction," (with Kaushik Basu and Mukul Majumdar), *International Journal of Economic Theory*, Vol. 6(1), pp.1-10, March 2010
- "Indeterminacy and Expectation-Driven Fluctuations with Non-Separable Preferences," (with Alain Venditti), *Mathematical Social Sciences*, Vol. 60, pp.46-56, 2010
- "On Geometric Ergodicity of the Commodity Pricing Model," (with John Stachurski), *International Journal of Economic Theory*, Vol. 5(3), pp.293-300, 2009
- "Indeterminacy and Business-Cycle Fluctuations in a Two-Sector Monetary Economy with Externalities," (with Stefano Bosi and Alain venditti), *Journal of Difference Equations and Applications*, Vol. 15, pp.1085-1096, 2009
- "Global Externalities, Endogenous Growth and Sunspot Fluctuations," (with Harutaka Takahashi and Alain Venditti), *Advances in Discrete Dynamical Systems*, ed. by S.Elaydi, K.Nishimura, M.Shishikura and N.Tose, pp.203-214, 2009, Mathematical Society Japan, Tokyo
- "Indeterminacy in Aggregate Models with Small Externalities: An Interplay between Preferences and Technology," (with Carine Nourry and Alain venditti), *Journal of Nonlinear and Convex Analysis*, Vol. 10, pp.279-298, 2009

“Optimal growth and competitive equilibrium business cycles under decreasing returns in two-country models,” (with Alain Venditti and Makoto Yano), *Review of International Economics*, Vol. 17(2), pp.371-391, Wiley-Blackwell, 2009

“A Homoclinic Bifurcation and Global Indeterminacy of Equilibrium in a Two-Sector Endogenous Growth Model,” (with Paolo Mattana and Tadashi Shigoka), *International Journal of Economic Theory*, Vol. 5(1), pp.25-47, 2009

“Equilibrium Storage with Multiple Commodities,” (with John Stachurski), *Journal of Mathematical Economics*, Vol. 45, pp.80-96, 2009

“Specific Factor Models and Dynamics in International Trade,” (with Yunfang Hu and Koji Shimomura), *Contemporary and Emerging Issues in Trade Theory and Policy* (ed. by Sugata Marjit and Eden Yu), *Frontiers of Economic and Globalization*, Vol.4, pp.191-207, Elsevier, 2008

“Characterization of Equilibrium Paths in a Two-Sector Economy with CES Production Functions and Sector-Specific Externality,” (with Miki Matsuo, Tomoya Sakagami, and Alain Venditti), *International Trade and Economic Dynamics*, ed. by Kamihigashi and Laixun Zhao, pp.421-431, Springer, 2008

“Bifurcation and Sunspots in the Continuous Time Equilibrium Model with Capacity Utilization,” (with Jess Benhabib and Tadashi Shigoka), *International Journal of Economic Theory*, Vol. 4(2), pp.337-355, 2008

“Detection of Neural Activity Associated with Thinking in Frontal Lobe by Magnetoencephalography,” (with Yoshikazu Tobinaga and Mitsuo Tonoike), *Progress of Theoretical Physics*, Supplement Number 173, pp.332-341, 2008

“Time preference and two-country trade,” (with Been-Lon Chen and Koji Shimomura) *International Journal of Economic Theory*, Vol. 4, pp.29-52, 2008

“Equilibrium dynamics in discrete-time endogenous growth models with social constant returns,” (with Kazuo Mino, Koji Shimomura and Ping Wang), *Economic Theory*, Vol. 34, pp.1-23, 2008

“On Professor Takashi Negishi's contributions to economic theory,” (with Jean-Michel Grandmont and Makoto Yano), *International Journal of Economic Theory*, Vol. 4(2), pp.137-149, June 2008

“Special Issue on Social Welfare, Market Equilibrium and Stability: Introduction,” (with Jean-Michel Grandmont and Makoto Yano), *International Journal of Economic Theory*, Vol. 4(2), pp.135-136, June 2008

“Special Issue on Nonlinear Macroeconomic Dynamics: Introduction,” (with Makoto Yano), *International Journal of Economic Theory*, Vol. 4(1), pp.1-2, March 2008

“Intertemporal Substitution in Consumption, Labor Supply Elasticity and Sunspot Fluctuations in Continuous-time Models,” (with Jean-Philippe Garnier and Alain Venditti), *International Journal of Economic Theory*, Vol. 3(4), pp.235-259, 2007

“Instability and fluctuations in intertemporal equilibrium models: introduction to the special issue,” (with Cuong Le Van, Tapan Mitra and Alain Venditti), *Journal of Mathematical Economics*, Vol. 43(3-4), pp. 231-235, 2007

“A two-country dynamic model of international trade and endogenous growth: Multiple balanced growth paths and stability,” (with Junko Doi and Koji Shimomura), *Journal of Mathematical Economics*, Vol. 43(3-4), pp.390-419, 2007

“Indeterminacy in discrete-time infinite- horizon models with non-linear utility and endogenous labor,” (with Alain Venditti), *Journal of Mathematical Economics*, Vol. 43(3-4), pp.446-476, 2007

“School Choice and the Intergenerational Poverty Trap,” (with Lakshmi K. Raut), *Review of Development Economics*, Vol. 11(2), pp.412-420, 2007

“Stochastic Optimal Policies when the Discount Rate Vanishes,” (with John Stachurski), *Journal of Economic Dynamics and Control*, Vol. 31(4), pp.1416-1430, 2007

“Stochastic Optimal Growth with Nonconvexities,” (with Ryszard Rudnicki and John Stachurski), *Journal of Mathematical Economics*, Vol. 42(1), pp.74-96, 2006

“Endogenous Fluctuations in Two-Sector Models: Role of Preferences,” (with Harutaka Takahashi and Alain Venditti), *Journal of Optimization Theory and Applications*, Vol. 128, No. 2, pp.309-331, 2006

“Dynamic Three-Factor Models of International Trade,” (with Yunfang Hu and Koji Shimomura), *Asia-Pacific Journal of Accounting and economics*, Vol.13, No.2, pp.73-85, 2006

“Sunspots and Hopf bifurcations in continuous time endogenous growth models,” (with Tadashi Shigoka), *International Journal of Economic Theory*, Vol.2, pp.199-216, 2006

“Endogenous fluctuations in two-country models,” (with Alain Venditti and Makoto Yano), *The Japanese Economic Review*, Vol. 57, pp.516-532, 2006

“Duality with Sector-Specific Externalities Under Social Constant Returns,” (with Koji Shimomura and Ping Wang), *The Japanese Economic Review*, Vol.57, pp.467-475, 2006

“Parents’ Educational Background, Subjects “Good-At” in Schools affect Income: an Empirical Study,” (with Junichi Hirata, Junko Urasaka and Tadashi Yagi), *The Japanese Economic Review*, Vol.57, pp.533-546, 2006

“Symposium on Trade and Growth: Introduction”, (with Makoto Yano), *Japanese Economic Review*, Vol.57, pp.455-456, 2006

“Detection of Thinking in Human by Magnetoencephalography,” (with Mitsuo Tonoike and Yoshikazu Tobinaga), *World Congress of Medical Physics and Biomedical Engineering 2006*, IFMBE Proceedings Vol. 14, pp.2617-2621, 2006 September

“Intertemporally Dependent Preferences and Optimal Dynamic Behavior,” (with Tapan

Mitra), *International Journal of Economic Theory*, Vol.2, pp.77-104, 2006

“Foreword to the Symposium in Honor of Mukul Majumdar,” (with Charalambos D. Aliprantis, Tapan Mitra and Roy Radner), *Economic Theory*, Vol. 29, pp.249-250, 2006

“Indeterminacy in a Dynamic Two-country Model,” (with Koji Shimomura), *Economic Theory*, Vol. 29(2), pp.307-324, October 2006

“Indeterminacy in Continuous-Time Two-Sector Models: An Exposition,” (with Alain Venditti), *Keio Economic Studies* 42 (1-2), pp.73-81, 2005

“Production Externalities and Local Dynamics in Discrete-time Multi-sector Growth Models with General Production Technologies,” (with Koji Shimomura and Ping Wang), *International Journal of Economic Theory*, Vol.1, pp.299-312, 2005

“Capital Accumulation Games with a Non-Concave Production Function,” (with Engelbert J. Dockner), *Journal of Economic Behavior & Organization*, Vol.57, pp.408-420, 2005

“Stability of Stochastic Optimal Growth Models: a New Approach,” (with John Stachurski), *Journal of Economic Theory*, Vol.22, pp.100-118, 2005

“Intertemporal Complementarity and Optimality: A Study of a Two-Dimensional Dynamical System,” (with Tapan Mitra), *International Economic Review*, Vol.46, No.1, pp.93-131, 2005

“Asymmetric factor substitutability and indeterminacy,” (with Alain Venditti), *Journal of Economics*, Vol.83, No.2, pp.125-150, 2004

“Indeterminacy and the Role of Factor Substitutability,” (with Alain Venditti), *Macroeconomic Dynamics*, Vol.8, pp.436-465, 2004

“Capital Depreciation, Factor Substitutability and Indeterminacy,” (with Alain Venditti), *Journal of Difference Equations and Applications*, Vol.10, No.13-15, pp.1153-1169, 2004

“Working and Training: A Nonlinear Dynamic Analysis of Human Capital Development,” (with Tadashi Yagi and Makoto Yano), *The Japanese Economic Review*, Vol.55, No.2, pp.119-140, 2004

“Discrete Time in Economics: an Introduction,” (with Makoto Yano), *Journal of Difference Equations and Applications*, Vol.10, No. 5, pp. 449-451, 2004

“Strategic Growth,” (with Engelbert Dockner), *Journal of Difference Equations and Applications*, Vol.10, No. 5, pp.515-527, 2004

“Optimal Topological Chaos in dynamic Economies,” (with Tadashi Shigoka and Makoto Yano), *Proceedings of the Sixth International Conference on Difference Equations Augsburg, Germany 2001*, pp.189-198, 2004, CRC press, London

“Discrete Time Models in Economic Theory,” (with John Stachurski), *Cubo a Mathematics Journal* 6, pp.187-207, 2004

“Studying Mathematics and University Education, Labor Income and Career Promotion Empirical Analysis on the “Survey on the Effects of Education at Departments of Economics in Japanese Universities on Career Formation,” (with Junichi Hirata, Junko Urasaka, Tadashi Yagi), *Social System Studies*, The Institute of Social System Ritsumeikan University, No.7, pp.1-24, 2003

“Working on the brain and rationality in economic behavior”, (with Yoshikazu Tobinaga), *The Proceeding of the IJCNN 2003* (The 2003 International Joint Conference on Neural Networks by the International Neural Network Society and the IEEE Neural Networks Society), pp.2604-2608, 2003

“Trade and Indeterminacy in a Dynamic General Equilibrium Model,” (with Koji Shimomura), *Journal of Economic Theory* 105, pp.244-259, 2002

“Indeterminacy and Cycles in Two-Sector Discrete-Time Models,” (with Jess Benhabib and Alain Venditti), *Economic Theory* 20, pp.217-235, 2002

“Intersectoral Externalities and Indeterminacy,” (with Alain Venditti), *Journal of Economic Theory* 105, pp.140-157, 2002

“Indeterminacy in a Dynamic small open economy,” (with Koji Shimomura), *Journal of Economic Dynamics and Control*, Vol. 27(2), pp. 271-281, December 2002

“Characterization of Equilibrium Strategies in a Class of Difference Games,” (with Engelbert Dockner), *Journal of Difference Equations and Applications* 7(6), pp.915-926, 2001

“Capital Depreciation, Indeterminacy and Cycles in Two-Sector Economies,” (with Alain Venditti), *Economic Theory, Dynamics, and Markets*, ed. by T. Negishi, R. V. Ramachandran, and K. Mino, pp.189-197, 2001

“Equilibrium Growth and Nonlinear Dynamics in Continuous Time Models,” *The Japanese Economic Review* 52, pp.1-19, 2001

“Discounting and Long-Run Behavior: Global Bifurcation Analysis of a Family of Dynamical Systems,” (with Tapan Mitra), *Journal of Economic Theory*, Vol. 96(1-2), pp.256-93, 2001

“Chaotic Equilibrium Dynamics in Endogenous Growth Models,” (with Michele Boldrin, Tadashi Shigoka, and Makoto Yano), *Journal of Economic Theory*, Vol.96, pp.97-132, 2001

“Introduction to Intertemporal Equilibrium Theory: Indeterminacy, Bifurcations, and Stability,” (with Tapan Mitra), *Journal of Economic Theory*, Vol.96, pp.1-12, 2001

“Professor Kazuya Kamiya - 2000 JEA Nakahara Prize: Announcement,” *Japanese Economic Review*, Vol. 52(1), pp.20, March 2001

- "On the Chaotic Dynamics Generated by an Endogenous Growth Model," *New Researches in Dynamical Systems*, Institute of Mathematical Analysis, Lecture Note Series 1179, 2000
- "Indeterminacy Under Constant Returns to Scale in Multisector Economies," (with Jess Benhabib and Qinglai Meng), *Econometrica* 68, pp.1541-48, 2000
- "Dynamical Systems Arising from Infinite Time Horizon Optimization Models," (with Alain Venditti), *Journal of Difference Equations and Applications* 6, pp.753-73, 2000
- "Indeterminacy Arising in Multisector Economies," (with Jess Benhabib), *The Japanese Economic Review* 50, pp.485-506, 1999
- "Non-linear Dynamics in the Infinite Time Horizon Model," (with Gerhard Sorger), *Journal of Economic Surveys* 13, pp.619-652, 1999
- "Chaotic Equilibria in a Small Open, Overlapping-Generations Economy with Child-Parent Externality," (with Koji Shimomura), *Review of International Economics* 7, pp.484-492, 1999
- "On the Existence of Chaotic Solutions in Dynamic Linear Programming," (with Makoto Yano), *Mathematics and Computers in Simulation* 48, pp.487-496, 1999
- "Transboundary Pollution in a Dynamic Game Model," (with Engelbert Dockner), *The Japanese Economic Review* 50, pp.443-456, 1999
- "Nonlinear Dynamics in the Cournot Model without Full Information," (with Daniel Léonard), *Annals of Operations Research* 89, pp.165-173, 1999
- "Markov Perfect Equilibria for a Class of Capital Accumulation Games," (with Engelbert Dockner and Manfred Plank), *Annals of Operations Research* 89, pp.215-230, 1999
- "Chaotic Solutions in Infinite-time Horizon Linear Programming and Economic Dynamics," (with Makoto Yano), *Advances in Mathematical Economics* 1, pp.115-126, 1999
- "Symposium on Intertemporal Equilibrium Theory and Nonlinear Dynamics: Introduction," *Japanese Economic Review*, Vol. 50(4), pp.369-370, December 1999
- "1998 JEA-Nakahara Prize: Announcement," *Japanese Economic Review*, Vol. 50(1), pp.25, March 1999
- "Indeterminacy and Sunspots with Constant Returns," (with Jess Benhabib), *Journal of Economic Theory* 81, pp.58-96, 1998
- "Interior Optimal Chaos with Arbitrarily Low Discount Rates," (with Tadashi Shigoka and Makoto Yano), *The Japanese Economic Review* 49, pp.223-233, 1998
- "The Role of Capital Depreciation in Multi-sectoral Models," (with Gary Baierl and Makoto Yano), *Journal of Economic Behavior and Organization* 33, pp.467-479, 1998
- "Endogenous Growth, Trade and Specialization under Variable Returns to Scale: The Case of a Small Open Economy," (with Ngo Van Long and Koji Shimomura), *Dynamics, Economic*

Growth and International Trade, ed. by B. Jensen and K. Wong, Michigan University Press, 1997

"On the Existence of Chaotic Solutions in Dynamic Linear Programming," (with Makoto Yano), *Proceedings on the International Congress on Modeling and Simulation*, ed. by D. McDonald and M. McAleer, Modeling and Simulation Society of Australia, 1997

"Optimal Cycles and Chaos: A Survey," (with Gerhard Sorger), *Studies in Nonlinear Dynamics and Econometrics* 1, pp.11-28, 1996

"On the Least Upper Bound of Discount Factors that are Compatible with Optimal Period-Three Cycles," (with Makoto Yano), *Journal of Economic Theory* 69(2), pp.306-333, 1996

"Chaotic Solutions in Dynamic Linear Programming," (with Makoto Yano), *Chaos, Solitons and Fractals* 7, pp.1191-1953, 1996

"External Debt Cycles," (with Michihiro Ohyama), *Journal of Structural Change and Economic Dynamics* 6, pp.215-236, 1995

"Non-linear Dynamics and Chaos in Optimal Growth: An Example," (with Makoto Yano) *Econometrica* 63, pp.981-1001, 1995

"Non-linearity and Business Cycles in a Two Sector Equilibrium Model: An Example with Cobb-Douglas Production Functions," (with Makoto Yano), *Nonlinear and Convex Analysis in Economic Theory*, ed. by T. Maruyama and W. Takahashi, 231-245, Springer-Verlag, Berlin, 1995

"Sustainable Plans of Social Security with Endogenous Fertility," (with Junsen Zhang), *Oxford Economic Papers* 47, pp.182-194, 1995

"Durable Capital and Chaos in Competitive Business Cycles," (with Makoto Yano), *Journal of Economic Behavior and Organizations*, 27, pp.165-181, 1995

"Social Capital as Public Goods and Oscillatory Behaviour," (with Makoto Yano) *Ricerche Economiche* 48, pp.185-193, 1994

"Ergodic Chaos in Optimal Growth Models with Low Discount Rates," (with Gerhard Sorger and Makoto Yano), *Economic Theory* 4, pp.705-717, 1994

"Optimal Chaos, Nonlinearity and Feasibility Conditions," (with Makoto Yano) *Economic Theory* 4, pp.689-704, 1994

"Optimal Chaos When Future Utilities are Discounted Arbitrarily Weakly," (with Makoto Yano), *Researches in Nonlinear Analysis and Mathematical Economics*, Lecture Note Series, Institute of Mathematical Analysis, Kyoto University, 1993

"The Old-age Security Hypothesis Revisited," (with Junsen Zhang), *Journal of Development Economics* 41, pp.191-202, 1993

"Interlinkage in the Endogenous Real Business Cycles of International Economies," (with Makoto Yano), *Economic Theory*, vol. 3, pp.151-168, 1993

"Endogenous Real Business Cycles and International Specialization," (with Makoto Yano), in *Theory, Policy and Dynamics in International Trade*, ed. by W.Ethier, E.Helpman and P.Neary, Cambridge University Press, 1993

"Endogenous Fertility and Growth," (with Jess Benhabib) in *General Equilibrium, Growth and Trade II*, ed. by M.Boldrin, R.Becker, R.Jones and W.Thomson, Academic Press, 1993

"Self-generated Fertility Waves," (with Vijit Kunapongkul), *The Development of Science for the Improvement of Human Life*, ed. by F. Casprini and R. Barbucchi, pp.201-207, Siena University Press, 1993

"Factor Intensity and Hopf Bifurcations," (with Harutaka Takahashi) *Optimal Control Theory and Economic Analysis 4*, ed. by G.Feichtinger, pp.135-149, North-Holland, 1992

"Business Cycles and Complex Non-Linear Dynamics," (with Makoto Yano) *Chaos, Solitons and Fractals* vol.2, pp.95-102, 1992

"Pay-As-You-Go Public Pensions with Endogenous Fertility," (with Junsen Zhang), *Journal of Public Economics* vol.48, pp239-258, 1992

"Economic Growth and Fertility Rate Cycles," (with Vijit Kunapongkul) *Chaos, Solitons and Fractals* vol.1, pp.475-484, 1991

"Factor Price Equalization" in *Trade, Policy and International Adjustments*, ed. by Takayama, Ohta and Ohyama, pp.275-284, Academic Press, 1990

"Optimal Growth Theory and Dynamical Systems," in *The Study of Dynamical Systems*, ed. by Nobuo Aoki, World Scientific, pp.225-232, 1989

"Stochastic Equilibrium Oscillations," (with Jess Benhabib) *International Economic Review*, vol.30, No.1, pp.85-102, 1989

"Endogenous Fluctuations in the Barro-Becker Theory of Fertility," (with Jess Benhabib) in *Demographic Change and Economic Development*, ed. by Alois Wening and K.Zimmerman, pp.29-41, Springer-Verlag, 1989

"On Endogenous Cycles in Discrete Time Optimal Growth Models," (with Jess Benhabib) in *Optimal Control and Economic Analysis III*, ed. by G.Feichtinger, North Holland, pp.3-10, 1988

"On the Aggregated Growth Models with Non-Concave Production Function," (with Takahiro Miyao) *Optimal Control and Economics Analysis III*, ed., by G.Feichtinger, North Holland, pp.303-310, 1988

"The Dynamics of Efficient Intertemporal Allocations with Many Agents, Recursive Preferences and Production," (with Jess Benhabib and Saqib Jafray), *Journal of Economic Theory*, vol. 44 pp.301-320, 1988

"Global Equilibrium Dynamics with Stationary Recursive Preferences," (with Jess Benhabib and Mukul Majumdar), *Journal of Economic Behavior and Organizations*, vol.8, pp.429-452, 1987

"Competitive Equilibrium Cycles," (with Jess Benhabib), *Journal of Economic Theory*, vol.35, pp.284-306, 1985

"Cyclical Input Demand and Adjustment Cost Theory of Investment," (with Jess Benhabib) *Non-linear Models of Fluctuating Growth*, ed. by Goodwin, Kruger and Vercelli, Springer-Verlag, 1984

"Impatience and Accumulation," (with Michael Magill), *Journal of Mathematical Analysis and Application*, vol.98, pp.270-281, 1984

"A Path of Optimal Economic Development," (with Jess Benhabib) *Keio Economic Review*, vol.XX, No.1, 1984

"Optimal Development Strategies in a Labor-Surplus economy with Scale Effects," (with Takahiro Miyao), *Environments and Planning A*, Vol.15, pp.1151-1159, 1983

"A Complete Characterization of Optimal Growth Paths in an Aggregated Model with a Non-Concave Production Function," (with Davis Dechert), *Journal of Economic Theory*, vol.31, pp.332-354, 1983

"Stability of Equilibrium in Dynamic Models of Capital Theory," (with Jess Benhabib) *International Economic Review*, vol.22, No.2, pp.275-293, 1981

"The Exclusion of Boundary Equilibria," *International Economics Review*, vol.22, Issue.2, pp.475-475, 1981

"Existence of Nash Equilibrium in n-Person Games without Quasi-Concavity," (with James Friedman), *International Economic Review*, vol.22, No.3, pp.637-648, 1981

"Kuhn's Intensity Hypothesis Revisited," *Review of Economic Studies*, vol.XLIII, pp.351-354, 1981

"On the Shape of the Single-Country and World Commodity-Substitution and Factor-Substitution Surfaces Under Conditions of Joint Production," (with Murray Kemp et.al.), *Journal of International Economics*, vol.10, pp.395-404, 1980

"The Hopf Bifurcation and the Existence and the Stability of Closed Orbits in Multi-Sector Models of Economic Growth," (with Jess Benhabib), *Journal of Economic Theory*, vol.21, pp.421-444, 1979

"On the Uniqueness of Steady States in an Economy with Heterogeneous Capital Goods," (with Jess Benhabib), *International Economic Review*, vol.20, No.1, pp.59-82, 1979

"On the Uniqueness Theorems by Arrow and Hahn," *Journal of Economic Theory*, vol.21, No.2, pp.348-352, 1979

"A Further Remark on the Number of Equilibria of an Economy," *International Economic Review*, vol.19, No.3, pp.679-685, 1978

"On the Existence Proofs of General Equilibria," *The Economic Studies Quarterly*, vol.29, No.3, pp.276-281, 1978

Papers reprinted in the book

PRODUCTION SETS, ed. by M. Kemp, Academic Press, 1982

"On the Shape of the Single-Country and World Commodity-Substitution and Factor-Substitution Under Conditions of Joint Production," (with Murray Kemp et.al.), *Journal of International Economics*, vol.10, pp.395-404, 1980

INTERNATIONAL LIBRARY OF CRITICAL WRITINGS IN ECONOMICS 10, GROWTH THEORY, ed. by Robert Becker and Edwin Burmeister, Edgar Elgar, 1991

"Competitive Equilibrium Cycles," (with J. Benhabib), *Journal of Economic Theory*, vol.35, pp.284-306, 1985

"A Complete Characterization of Optimal Growth Paths in an Aggregated Model with a Non-Concave Production Function," (with D. Dechert), *Journal of Economic Theory*, vol.31, pp.332-354, 1983

"Stability of Equilibrium in Dynamic Models of Capital Theory," (with J. Benhabib), *International Economic Review*, vol.22, No.2, pp.275-293, 1981

"The Hopf Bifurcation and the Existence and the Stability of Closed Orbits in Multi-Sector Models of Economic Growth," (with J. Benhabib), *Journal of Economic Theory*, vol.21, pp.421-444, December 1979

CYCLES AND CHAOS IN ECONOMIC EQUILIBRIUM, ed. by Jess Benhabib, Princeton University Press, 1992

"The Hopf Bifurcation and the Existence and Stability of Closed Orbits in Multisector Models of Optimal Economic Growth", (with J. Benhabib), *Journal of Economic Theory* 21, pp.41-44, 1979

"Stochastic Equilibrium Oscillation", (with J. Benhabib), *International Economic Review* 30, pp.85-101, 1985

INTERNATIONAL LIBRARY OF CRITICAL WRITINGS IN ECONOMICS 28, NONLINEAR DYNAMICS, ed. by Marc Jarsulic, Edgar Elgar, 1993

"Competitive Equilibrium Cycles," (with J. Benhabib), *Journal of Economic Theory*, vol.35, pp.284-306, 1985

"The Hopf Bifurcation and the Existence and the Stability of Closed Orbits in Multi-Sector Models of Economic Growth," (with J. Benhabib), *Journal of Economic Theory*, vol.21, pp.421-444, December 1979

OPTIMIZATION AND CHAOS, ed. by Mukul Majumdar, Tapan Mitra and Kazuo Nishimura, Springer, 2000

"Nonlinear Dynamics and Optimal Chaos in Growth: A Constructive Exposition", (with M. Yano), revised version of the paper published in *Econometrica* 63, 1995

"Optimal Chaos, Nonlinearity and Feasibility Conditions," (with M. Yano), *Economic Theory* 4, pp. 689-704, 1994

"Ergodic Chaos in Optimal Growth Models with Low Discount Rates," (with G. Sorger and M. Yano), *Economic Theory* 4, 1994

"On the Least Upper Bound of Discount Factors that are Compatible with Optimal Period-Three Cycles," (with M. Yano), *Journal of Economic Theory* 69, 1996

Professional Publication in Japan

"Economics of Complexities, *Mathematical Sciences*," January 1998

"Santa Fe Institute and Complexities," *Mathematical Sciences*, December 1998

"Business Cycles," (with Makoto Yano) *Mathematical Sciences*, pp. 53-58, February 1994 (in Japanese)

"Endogenous Fertility Rates and Dynamics Models," *The Quarterly of Social Security Research*, vol.28, No.3, December 1992, Social Development Research Institute

"Nonlinear Dynamics in Economics," *Mathematical Science*, Special Volume, pp.128-133, 1992, Science Company, (in Japanese)

"Economics and Fixed Points," *Information Processing*, Information Processing Society, (in Japanese) pp.342-349, April, 1992

"Optimal Growth Model and Chaos," *Researches in Nonlinear Analysis and Mathematical Economics*, Lecture Note Series No.789, pp.155-163, June, 1992, Institute of Mathematical Analysis, Kyoto University (in Japanese)

"Economic Growth and Endogenous Business Cycles," *ESP*, May 1992, pp.12-16, Economic Planning Association (in Japanese)

"Optimal Growth Theory and Dynamical Systems," *Researches in Dynamical Systems*, Lecture Note Series No.696, pp.234-245, June, 1989, Institute of Mathematical Analysis, Kyoto University (in Japanese)

“Economic Fluctuations: Equilibrium Business Cycle Theory,” (with Mashiyama and Yoshida), *Applied Microeconomics* ed. by M.Ito and K. Nishimura, pp.265-301, 1989, Tokyo University Press

“Fixed Point Theorems and General Equilibrium Theory,” *Differential Topology and Economics*, Lecture Note Series No.478, pp.160-166, February, 1983, Institute of Mathematical Analysis, Kyoto University (in Japanese)

“Differential Topology and Economics,” *Differential Topology and Economics*, Lecture Note Series No.407, pp.50-63, December 1980, Institute of Mathematical Analysis, Kyoto University (in Japanese)

“Consumer Demand Theory,” *Economy and Economics*, vol.43, pp.61-116, September 1979

“On Mistakes and Correction of Uniqueness Theorems by Arrow and Hahn,” *Economy and Economics*, 1978

“The Shape of the Social Production Function arising from the Joint Production Function,” *Economy and Economics*, vol.43, pp.117-125, September 1979

“Economics and catastrophe,” *Economy and Economics*, vol.41, pp.25-32, January 1979 (in Japanese)

“A Note on the Variation of the Average Period by Professor Hicks,” *Journal of Rural Economics*, 1972, (in Japanese)

Publication of Books in Japanese

Who made Kids hate Mathematics?, PHP Publisher, 2000

It will ruin Academics if Kids hate Mathematics, Kodansha, 1999

Beyond the Complexities, Chikumashobo, February 1999

Q&A One minute Economics, Japan Economic Papers, April 1998

Introduction to Modern Economics: Microeconomics, Iwanami Shoten, March 1996.

Introduction to Microeconomics (2nd edition), Iwanami Shoten, October 1995.

Chi No Hoteishiki, (A book on psychology and philosophy), Shueisha, April 1995.

Microeconomics, (Graduate Textbook), Toyo Keizai Shinposha, September 1990.

Microeconomics-Introduction, Jointly with Murota, JICC, June 1990

Seminar in Introductory Economics, Jitsumu Kyoiku Shuppan, April 1990

Economics: Introduction by Comics, Nihon Hyoronsha, February 1990

Applied Microeconomics, ed. Jointly with M. Ito, Tokyo University Press, 1989

Introduction to Microeconomics, Iwanami Shoten, 1987

Introduction to Mathematical Economic, Nihon Hyoronsha,, 1982

Mathematics for Economics (with Okuguchi, Maruyama and Fujimoto) Yuhikaku, 1980

Books Edited

Decline in Academics will be Nation's Ruin, Nihonkeizai Shinbunsha, 2001

University Students Who Do Not Know Arithmetics, Toyokeizai Shinposha, 2001

University Students Who Do Not Know Decimal, Toyokeizai Shinposha, 2000

Economics of Complexity, Science Publisher, 2000

University Students Who Do Not Know Fractions, Toyokeizai Shinposha, April 1999

Hayawakari Keizaigaku Nyumon, Toyokeizai Shinposha, February 1997

Economic Theory in Information Society (with Imai, Yamazaki), Fujitsu Books, June 1996

Invitation to Science: Economics, Chikuma Shobou, May 1996

Applied Microeconomics, (with Motoshige Ito), Tokyo University Press, 1989

Translation of Books

Walras' Economics by Michio Morishima, Oxford University Press, (Translation into Japanese, Toyokeizai Shinposha, 1983).