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#### **EDUCATION**

Ph.D. (Economics), University of New South Wales, 1983

M.Econ., Kobe University, 1977

B. Econ., Kobe University, 1975

#### **ACADEMIC POSITIONS**

Professor of Economics, Kobe University, 1993---2007

Associate Professor of Economics, Kobe University, 1982---1993

Research Assistant, Kobe University, 1978---1982

#### **PROFESSIONAL ACTIVITIES**

President, International Economics and Finance Society Japan (IEFS Japan),  
2003-present

Associate Editor, Review of International Economics, 2004-present

Executive Committee Member, Japan Economic Association, 2005-present

#### **RESEARCH FIELDS**

International Economics

Macroeconomics

## PUBLICATION

### PAPERS

(published papers written in English. The papers with (#) are accepted in refereed journals and volumes.)

- (1)#A Model of Welfare Enhancing Capital Imports, *Review of International Economics* 20, Issue 4, 758-766, 2012 (with Masap Oda)
- (2)#Giffen Behavior Independent of the Wealth Level, *New Insights into the Theory of Giffen Goods* 655, 105-126, 2012 (with Junko Doi, Kazumichi Iwasa)
- (3)#Trade and Indeterminacy in a Dynamic General Equilibrium Model, *Nonlinear Dynamics in Equilibrium Models* Part 6, 347-361, 2012 (with Kazuo Nishimura)
- (4)#International Trade and Volume Patterns under Quasilinear Preferences, *Review of Development Economics* 15, 154-167, 2011 (with Elias Dinopoulos, Kenji Fujiwara)
- (5)#A two-country dynamic Heckscher–Ohlin model with physical and human capital accumulation, *Economic Theory* 41, 67-84, 2009 (with Yunfang Hu, Murray C. Kemp)
- (6)#Giffen behavior independent of the wealth level, *Economic Theory* 41, 247-267, 2009 (with Junko Doi and Kazumichi Iwasa)
- (7)#A Dynamic Chamberlin-Heckscher-Ohlin Model with Endogenous Time Preferences, *THE INTERNATIONAL ECONOMY* 12, 2008 (with Kazumichi Iwasa, Toru Kikuchi)
- (8)#Time preference and two-country trade, *International Journal of Economic Theory* 4, 29-52, 2008 (with Been-Lon Chen and Kazuo Nishimura)
- (9)#Advances on Stackelberg open-loop and feedback strategies, *Journal of Economic Theory* 4, 115-133, 2008 (with Danyang Xie)
- (10)#Import Tariffs and Growth in a Model with Habits, in: Takashi Kamihigashi and Laixun Zhao eds., *International Trade and Economic Dynamics: Essays in Memory of Koji Shimomura*, 299-322, 2008 (with Been-Lon Chen and Shun-Fa Lee)

- (11)#A Pareto Improvement in Customs Unions Without Intra-Union Transfer, in: Takashi Kamihigashi and Laixun Zhao eds., *International Trade and Economic Dynamics: Essays in Memory of Koji Shimomura*, 73-86, 2008 (with Ling Qi)
- (12)#A Modified Heckscher-Ohlin Theorem Under Quasilinear Utility Functions, in: Takashi Kamihigashi and Laixun Zhao eds., *International Trade and Economic Dynamics: Essays in Memory of Koji Shimomura*, 19-36, 2008 (with Junko Doi, Kenji Fujiwara and Toru Kikuchi)
- (13)#Pareto-Improving Trading Clubs without Income Transfers, in: Binh Tran-Nam, Ngo Van Long, Makoto Tawada eds., *Globalization and Emerging Issues in Trade Theory and Policy*, Chapter 10, 139-162, 2008 (with Kazumichi Iwasa and Raymond Riezman)
- (14)#A Free Trade Area and its Neighbor's Welfare: A Revealed Preference Approach, in: Binh Tran-Nam, Ngo Van Long, Makoto Tawada eds., *Globalization and Emerging Issues in Trade Theory and Policy*, Chapter 7, 87-99, 2008 (with Masahiro Endoh and Koichi Hamada)
- (15)#Comparative Advantage and Trade Liberalization in a Chamberlinian-Ricardian Model, in: Binh Tran-Nam, Ngo Van Long, Makoto Tawada eds., *Globalization and Emerging Issues in Trade Theory and Policy*, Chapter 3, 29-35, 2008 (with Toru Kikuch)
- (16) #Choosing between Innovation and Imitation in a Model of International Rivalry Elias Dinopoulos, Pravin Krishna, Arvind Panagariya and Kar-ylu Wong eds., *Trade, Globalization and Poverty*, Chapter 6, 2008 (with Kenji Fujiwara and Kar-ylu Wong)
- (17)#On Chamberlinian-Ricardian Trade Patterns, *Review of International Economics* 16, 285-292, 2008 (with T. Kikuchi and D-Z Zeng)
- (18)#Indeterminacy in a Two-Sector Endogenous Growth Model with Productive Government Spending, *Journal of Macroeconomics* 30, 1104-1123, 2008 (with Yunfang Hu)

- (19)#Equilibrium dynamics in discrete-time endogenous growth model with social constant returns, *Economic Theory* 34, 1-23, 2008 (with Kazuo Mino and Kazuo Nishimura)
- (20)#Trade Gains and Public Goods, *Review of International Economics* 15, 948-954, 2007
- (21)# A Pareto -improving foreign aid in a dynamic North - South model, in *Theory and Practice of Foreign Aid* 1, Part 1, Chapter 9, 2007
- (22)#Indeterminacy in the free-trade world, *Journal of Difference Equations and Applications* 13, 135-149, 2007 (with Junko Doi and Kazumichi Iwasa)
- (23)#A two-country dynamic model of international trade and endogenous growth: multiple balanced growth paths and stability, *Journal of Mathematical Economics* 43, 390-419, 2007 (with Junko Doi and Kazuo Nishimura)
- (24)#Optimal commodity taxation with a representative agent, *Review of Development Economics* 11, 385-389, 2007 (with Murray C. Kemp)
- (25)#Status-seeking, catching-up, and comparative statics in a dynamic Heckscher-Ohlin model, *Review of Development Economics* 11, 258-274, 2007 (with Yunfang Hu)
- (26)#A new dynamic trade model of increasing returns and monopolistic competition, *Review of Development Economics* 11, 232-241, 2007 (with Toru Kikuchi)
- (27)#A two-country dynamic trade model with endogenous time preferences, *Keio Economic Studies* 43, 390-419, 2007 (with Toru Kikuchi)
- (28)#Monopolistic competition with cross-country technological differences and international trade, *Japan and the World Economy* 19, 236-247, 2007 (with Toru Kikuchi)
- (29)#Voluntary contribution to a public good: non-neutrality results, *Pacific Economic Review* 12, 153-170, 2007 (with Ngo Van Long)
- (30)#On dynamic Chamberlin-Heckscher-Ohlin trade patterns, *Economics Bulletin* 6, 1-8, 2006 (with Toru Kikuchi)

- (31)#On the emerge of intra-industry trade, *Journal of Economics* 87, 13-28, 2006  
(with Toru Kikuchi and Dan-Zhi Zang)
- (32)# On the Relationship between the Number of Firms and the Endogenous Growth Rate for a Model with Public Infrastructure, *Contemporary Issues and Ideas in Social Sciences* 2, 2006 (with Dipankar Dasgupta and Subrata Guha)
- (33)#Public Infrastructure, Employment and Sustainable in a Small Open Economy with and without Foreign Direct Investment, *Journal of International Trade and Economic Development* 15, 257-291, 2006 (with Dipankar Daugupta)
- (34)#Dynamic Three-Factor Models of International Trade, *Asia-Pacific Journal of Accounting and Economics* 13, 73-85, 2006 (with Kazuo Nishimura and Yunfang Hu)
- (35)#Indeterminacy in a dynamic two-country model, *Economic Theory* 29, 307-324, 2006, (with Kazuo Nishimura)
- (36)#Duality with sector-specific externalities under social constant returns, *Japanese Economic Review* 57, 467-475, 2006 (with Kazuo Nishimura and Ping Wang)
- (37)#Monopolistic competition with efficiency gaps and Heckscher-Ohlin trade patterns, *Japanese Economic Review* 57, 426-437, 2006 (with Toru Kikuchi)
- (38)#Production externalities and local dynamics in discrete-time multi-sector growth models with general production technologies, *International Journal of Economic Theory* 1, 299-312, 2005 (with Kazuo Nishimura and Ping Wang)
- (39)#Trade between countries with radically different preferences, *Economics Bulletin* 6, 1-9, 2005 (with Murray C. Kemp)
- (40)#A factor endowment theory of endogenous growth and international trade, *Review of Development Economics* 9, 467-481, 2005 (with Yunfang Hu and Murray C. Kemp)
- (41)#Endogenous growth: fragile foundations, *Review of Development Economics* 10, 113-115, 2005 (with Yunfang Hu and Murray C. Kemp)

- (42)#Occupational choice and dynamic indeterminacy, *Review of Economic Dynamics* 8, 138-153, 2005 (with Kazuo Mino and Ping Wang)
- (43)#A factor endowment theory of international trade under imperfect competition and increasing returns, *Canadian Journal of Economics*.38, 273-289, 2005 (with Kenji Fujiwara)
- (44)# Relative wealth, catching up, and economic growth, in: S. Dowrick, .R. Pitchford, and S. Turnovsky eds., *New Development in Macroeconomics*, Cambridge University Press, 18-45, 2004 (with Ngo Van Long)
- (45)#Relative Wealth, Status-Seeking, and Catching-up, *Journal of Economic Behavior and Organization* 53, 529-542, 2004 (with Ngo Van Long)
- (46)#Indeterminacy in a dynamic general equilibrium model of international trade, in: M. Boldrin, B-L Chen and P. Wang eds., *The Development Process of Rapidly Growing Economies: From Theory to Empirics*, Cheltenham, UK, Edward Elgar Publishing Inc, 2004, Chapter7, 153-167, 2004
- (47)#A geometric approach to the Stolper-Samuelson theorem, in John Cunningham Wood and Michael McLure eds., *Paul A. Samuelson: Critical Assessments of Contemporary Economists*, 2nd Series, Routledge, 259-270, 2004
- (48)#A dynamic Heckscher-Ohlin model: The case of costly factor reallocation, *Japanese Economic Review* 54, 237-252, 2003 (with Murray C. Kemp)
- (49)#A new proof of the maximum principle, *Economic Theory*. 22, 671-674, 2003 (with Ngo Van Long)
- (50)#Why countries with same fundamentals can have different growth rates, *Journal of Economic Dynamics & Control*. 27, 1899-1916, 2003 (with Jacek B. Krawczyk)
- (51)#A theory of involuntary unrequited international transfers, *Journal of Political Economy* 111, 686-692, 2003 (with Murray C. Kemp)
- (52)#Recent challenges to the classical gains-from-trade proposition, 2002, *German Economic Review*. 3, 485-489, 2002 (with Murray C. Kemp)
- (53)#A new approach to the theory of international trade under increasing returns:

- the two-commodities case, in: A. Woodland ed., *Economic Theory and International Trade*, Chapter 1, Cheltenham, UK, Edward Elgar, 2002, 3-21.[also, in: M.C. Kemp, *International Trade and National Welfare*, Chapter 17, London, UK, Routledge, 111-127, 2001] (with Murray C. Kemp)
- (54)#Trade and indeterminacy in a dynamic general equilibrium model, *Journal of Economic Theory* 105, 244-260, 2002 (with Kazuo Nishimura)
- (55)#A theory of voluntary unrequited international transfer, 2002, *Japanese Economic Review* 53, 290-300, 2002 (with Murray C. Kemp)
- (56)#Indeterminacy in a dynamic small open economy, *Journal of Economic Dynamics and Control* 27, 271-281, 2002 (with Kazuo Nishimura)
- (57)#The Sonnenschein-Debreu-Mantel proposition and the theory of international trade, *Review of International Economics* 10, 671-679, 2002 (with Murray C. Kemp)
- (58)#Re-distributive taxation in closed and open Economies, in A. Woodland ed., *Economic Theory and International Trade: Essays in Honor of Murray C. Kemp*, Cheltenham, UK: Edward Elgar Publishing Inc, Chapter 7, 104-123, 2002 (Co-authored with Ngo Van Long)
- (59)#A second correspondence principle, in A. Woodland ed., *Economic Theory and International Trade: Essays in Honor of Murray C. Kemp*, Cheltenham, UK: Edward Elgar Publishing Inc, Chapter 3, 37-56, 2002 (Co-Authored with Murray C. Kemp and Yoshio Kimura)
- (60)#The Kemp-Wan proposition under increasing returns to scale and oligopolistic competition, in: M.C. Kemp, *International Trade and National Welfare*, Chapter 20, London, UK, Routledge, 158-174, 2001 (with Murray C. Kemp)
- (61)#A Differential game model of tariff war, *Japan and the World Economy* 13, 279-298, 2001 (with Murray C. Kemp and Ngo Van Long)
- (62)#Drugs and Pests: intertemporal production externality, *Japan and the World Economy* 13, 255-278, 2001 (with R. Cornes and N. V. Long)
- (63)#Gains from international trade in a Cournot-Nash general equilibrium,

- Japanese Economic Review* 52, 284-302, 2001 (with Murray C. Kemp)
- (64)#A second elementary proposition concerning the formation of customs union, *Japanese Economic Review* 52, 64-69, 2001 (with Murray C. Kemp)
- (65)#A dynamic conjectural variations model in the private provision of public goods: a differential game approach, *Journal of Public Economics* 81, 153-172, 2001 (with Jun-ichi Itaya)
- (66)#Trade gains when the opportunity to trade changes the state of information, *Review of International Economics* 9, 24-28, 2001 (with Murray C. Kemp and Henry Y. Wan Jr.)
- (67)#An antiquarian note on optimum tariffs, *History of Political Economy* 32, 415-420, 2000 (with Murray C. Kemp)
- (68)#Increasing returns and international trade, *Review of International Economics* 8, 614-618, 2000 (with Murray C. Kemp)
- (69)#The gains from free trade when workers are not indifferent to their occupations, *Journal of Post Keynesian Economics* 23, 299-300, 2000 (with Murray C. Kemp)
- (70)#Comparing open-loop with Markov equilibria in a class of differential games, *Japanese Economic Review* 50, 457-469, 1999 (with Ngo Van Long and Harutaka Takahashi)
- (71)#Trade gains in chaotic equilibria, *Review of International Economics* 7, 403-409, 1999 (with Murray C. Kemp)
- (72)#Chaotic equilibria in a small open overlapping generations economy with child-parent externality, *Review of International Economics* 7, 484-492, 1999 (with Kazuo Nishimura)
- (73)#A simple proof of the Sato proposition on non-homothetic CES functions, *Economic Theory* 14, 501-503, 1999
- (74)#Education, moral hazard, and endogenous growth, *Journal of Economic Dynamics and Control* 23, 675-698, 1999 (with Ngo Van Long)
- (75)#The internationalization of the world economy and the implication for national



- welfare, *Review of International Economics* 7, 1-7, 1999 (with Murray C. Kemp)
- (76)#Factor income function and an oligopolistic Heckscher-Ohlin model of international trade, *Economics Letters* 61, No.1, 91-100, 1998
- (77)On the Heckscher-Ohlin analysis and the gains from trade with profit-maximizing and labor-managed firms, in C.G. Amrhein, D. Griffith, and J. M. Huriot eds., *Econometric Advances in Spatial Modelling and Methodology: in Honour of Jean Paelinck*, Kluwer Academic Publishers, 1998 (with Makoto Tawada)
- (78)#A dynamic equilibrium model of durable-goods monopoly, *Journal of Economics Behavior and Organization* 33, 507-520, 1998
- (79)#Some results on the Markov equilibria of a class of homogeneous differential games, *Journal of Economic Behavior and Organization* 33, 557-566, 1998 (with Ngo Van Long)
- (80)#Self-fulfilling expectations and economic growth: a model of technological adoption and industrialization, *International Economic Review* 39, 151-170, 1998 (with Been-Lon Chen)
- (81)#The law of comparative advantage without social utility functions, *Review of International Economics* 6, 401-406, 1998 (with K-y Wong)
- (82)Endogenous growth, trade, and specialization under variable returns to scale: the case of a small open economy, in: B.S. Jensen and K-y Wong eds., *Dynamics, Economic Growth, and International Trade*, Chapter 4, 127-150, University of Michigan Press, 1997 (with Ngo Van Long and Kazuo Nishimura )
- (83)#A geometric approach to the Stolper-Samuelson theorem, *International Economic Review* 38, 647-656, 1997
- (84)High youth wages can generate general and persistent unemployment, in: P. Arestis, G. Palma and M. Sawyer eds., *Markets, Unemployment and Economic Policy: Essays in Honour of Geoff Harcourt*, Volume 2, Chapter 25, 313-325, Routledge, 1997 (with M.C.Kemp and N.V.Long)
- (85)Education, human capital and economic growth in an overlapping generations

- model, *Journal of Economics & Business Administration (Kokumin-Keizai Zasshi)* 175, 63-79, 1997 (with Binh Tran-Nam)
- (86)#Introduction, *Japanese Economic Review* 48, 119-120, 1997 (with Murray C. Kemp)
- (87)#Trade gains: a unified exposition based on duality, *Japanese Economic Review* 48, 119-131, 1997 (with Murray C. Kemp)
- (88)#Voluntary export restraints and economic welfare: a general equilibrium analysis, *Japanese Economic Review* 48, 187-198, 1997 (with M.C.Kemp and M. Okawa)
- (89)Durable consumption goods and the pattern of international trade and indebtedness in a dynamic Ricardian model, in L.Vlacic, T.Nguyen and D. Kecmanovic eds., *Modelling and Control of National and Regional Economies 1995*, 133-137, Pergamon, 1996
- (90)#Dynamic effects of subsidies on output and R&D in an international export rivalry model, (with T.Ohkawa) in W.Chang and S.Katayama eds., *Imperfect Competition in International Trade*, Kluwer Academic Publishers, 1995
- (91)#The apparently innocuous representative agent, *Japanese Economic Review* 46, 247-256, 1995 (with M.C. Kemp)
- (92)#On the representative agents; reply to Kaneko and Suzumura, *Japanese Economic Review* 46, 300, 1995 (with M.C. Kemp)
- (93)#Why must we always follow Nash?: a further reply, *Japanese Economic Review* 46, 302, 1995 (with M. C. Kemp)
- (94)#Some implications of imperfect competition for recent trade theory, *Review of International Economics* 3, 244-247, 1995
- (95)#A capital accumulation model of the workers' enterprise, *Managerial and Decision Economics* 14, 459-467, 1993
- (96)Durable consumption goods and the pattern of international trade, in H.Herberg and N.V.Long eds., *Trade, Welfare, and Economic Policies: Essays in Honor of*

- Murray C. Kemp*, 103-112, Michigan University Press, 1993
- (97)#Cyclical and non-cyclical redistributive taxation, *International Economic Review* 34, 415-429, 1993 (with M.C. Kemp and N.V.Long)
- (98)#The international diffusion of the fruits of technical progress, *International Economic Review* 34, 381-385, 1993 (with M.C.Kemp and Y-K. Ng)
- (99)A two-sector dynamic general equilibrium model of distribution, in G.Feichtinger ed., *Dynamic Economic Models and Optimal Control*, 105-123, North-Holland, 1992
- (100)A dynamic formulation of the foreign aid process, in G.Feichtinger ed., *Dynamic Economic Models and Optimal Control*, 191-103, North-Holland, 1992 (with M.C.Kemp and N.V.Long)
- (101)#A dynamic model of distribution of wealth among households and nations, *Annals of Operations Research* 37, 245-272, Baltzer Scientific Publishing Company, 1992 (with M.C.Kemp)
- (102)Toward the economic analysis of falsified information, in Y.Ijiri and I.Nakano eds., *Business Behavior and Information*, 32-50, Carnegie-Mellon University Press, 1992
- (103)"Trade" or "Aid"?, in A.Takayama, M.Ohyama and H.Ohta eds., *Trade, Policy, and International Adjustments*, 19-35, Academic Press, 1991 (with M.C.Kemp)
- (104)#Feedback equilibria of a differential game of capitalism, *Journal of Economic Dynamics and Control* 15, 317-338, 1991
- (105)#A further note on union power in the long run, *Scandinavian Journal of Economics* 92, 599-604, 1990
- (106)A neglected corner: labor unions and the pattern of international trade, in G.Feiwel ed., *Joan Robinson and Modern Economic Theory*, 774-790, 1989 (with M.C.Kemp)
- (107)#The impossibility of global absolute advantage in the Heckscher-Ohlin model of trade, *Oxford Economic Papers* 40, 575-576, 1988 (with M.C.Kemp)
- (108)#Do labour unions drive out capital? *The Economic Journal* 95, 1087-1090, 1985

(with M.C.Kemp)

(109)The optimal order of exploitation of deposits of a renewable resource, in M.C.Kemp and N.V.Long eds., *Essays in the Economics of Exhaustible Resources*, 75-104, 1984

(110)The problem of survival: a closed economy, in M.C.Kemp and N.V.Long eds., *Essays in the Economics of Exhaustible Resources*, 13-26, 1984 (with M.C.Kemp and N.V.Long)

(111)#On the optimal order of exploitation of deposits of a renewable resource, *Journal of Institutional and Theoretical Economics* 139, 319-322, 1983

#### **BOOK REVIEW**

\*"The Economics of International Transfers, by Steven Brakman and Charles van Marrewijk," *Review of International Economics* 10, 383-385, 2002

#### **BOOKS**

\**Globalization and Economic Development in East Asia: Lecture Notes of Professor Henry Wan*, Modern Economic & Business Series 3, (with Henry J. Wan), 195p., 2008

\**Symposium on the welfare economics of international trade and investment*, Japanese Economic Review 48, (with M. C. Kemp), 1997

\**Essays in the Economic Analysis of Labour Unions*, Kobe Economic & Business Research Series 12, 228p., 1993

\**Labor Unions and the Theory of International Trade*, (with M.C.Kemp and N.V.Long), 285p., North-Holland, 1991

\**Essays in Some Topics of Modern Economic Theory*, Kobe Economic & Business Research Series 9, 166p., 1984

#### **OTHER PROFESSIONAL ACTIVITIES**

##### **conference organizing:**

The Welfare Economics of International Trade and Investment in Kobe, Japan, January 7-9, 1996

##### **editing a special issue of:**

*Japanese Economic Review* (June Issue 1997) (co-edited with M.C.Kemp)

**refereed for:**

*Journal of Public Economic Theory*

*International Economic Review*

*Journal of Economic Theory*

*Economic Journal*

*Canadian Journal of Economics*

*Economic Bulletin*

*Economic Theory*

*Journal of Economic Dynamics and Control*

*Japanese Economic Review*

*Journal of the Japanese and International Economy*

*Review of International Economics*

*Economic Record*

*Annals of Operations Research*

*Review of Economic Studies*

*Australian Economic Papers*

*European Journal of Political Economy*

*Keio Economic Studies*

*International Game Theory Review*