

CURRICULUM VITAE

NAME: Masahisa Fujita

BIRTH DATE: July 21, 1943

BIRTH PLACE: Yamaguchi Prefecture, Japan

CURRENT POSITION: Project Professor, Kyoto University

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EDUCATION:

1962-1966 Kyoto University
B.S. in Engineering, 1966.

1968-1972 University of Pennsylvania
Ph.D. in Regional Science, 1972.

EMPLOYMENT:

1966-1968/
1972-1973 Research Assistant,
Department of Transportation Engineering,
Kyoto University

1973-1976 Assistant Professor,
Department of Transportation Engineering,
Kyoto University

1976-1981 Assistant Professor,
Regional Science Department,
University of Pennsylvania

1981-1986 Associate Professor,
Regional Science Department,
University of Pennsylvania

1986-1994 Professor,
Regional Science Department,
University of Pennsylvania

1994-1995 Professor,
Department of Economics,
University of Pennsylvania

1995-2007 Professor,
Institute of Economic Research,

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|--------------|---|
| | Kyoto University |
| 2003-2007 | President, Institute of Developing Economies, JETRO |
| 2007-2016 | President and Chief Research Officer Research Institute of Economy, Trade and Industry, Tokyo |
| 2007-2019 | Professor, Konan University |
| 2007-present | Project Professor Kyoto University, Institute of Economic Research |

ADMINISTRATIVE POSITIONS:

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|----------------------------|---|
| 1991-1993 | Member, Personnel Committee, School of Arts and Sciences, University of Pennsylvania |
| 1992-1994 | Chair, Graduate Group of Regional Science, University of Pennsylvania |
| 1999 April - 2001 March | Director, Institute of Economic Research, Kyoto University |

POSITIONS in ACADEMIC ASSOCIATIONS/NATIONAL GOVERNMENT

| | |
|----------------------------|---|
| 1996-1998 | Science Officer, Ministry of Education, Japan |
| 1999 April - 2001 March | President, Applied Regional Science Association, Japan |
| 1995-2000 | Adjunct Professor, Institute of Advanced Studies, The United Nations University (Tokyo). |
| 2002-2008 | Director, Japanese Economic Association |
| 2004-2006 | Guest Professor at Peking University |
| 2005-2011 | Member of Science Council of Japan (6-year appointment) |
| 2009-2011 | President, Japanese Economic Association |
| 2009-2013 | Guest Professor at Shanghai University |

PROFESSIONAL MEMBERSHIP:

Regional Science Association
 American Economic Association
 Econometric Society
 Society for the Promotion of Economic Theory

Japanese Economic Association
Peace Science Society (International)
Japan Regional Science Society
Applied Regional Science Association

ASSOCIATE EDITOR/EDITORIAL BOARD MEMBER OF:

International Journal of Economic Theory
Japanese Economic Review
Portuguese Economic Journal
Regional Science and Urban Economics
Journal of Economic Geography
Annals of Regional Science
Journal of Urban Economics
Review of Urban & Regional Development Studies
Studies in Regional Science
Discrete Dynamics in Nature and Society
Spatial Economic Analysis

AWARDS/HONORS:

1. *Dissertation Award* from Japanese Association of Civil Engineering, 1975.
2. *The First Erik Kempe Prize in Memory of Tord Palander*, for distinguished research activities in regional science, University of Umea, Sweden, 1983.
3. *Visiting Professorship*, College of Economics, Nankai University, Tenjin, and P.R. of China, 1993.
4. *The Walter Isard Award*, for distinguished scholarly achievements in the field of regional science, the North American Regional Science Council, 1998.
5. *The 43rd Nikkei Prize for Excellent Books in Economic Science*, awarded to *The Spatial Economy* (co-authored with Paul Krugman and A. J. Venables), Nihon Economic Newspaper Inc. (Nikkei), 2000.
6. *The First William Alonso Prize*, for the most innovative research in the field of regional science, the World Regional Science Council, 2002.
7. *Who's who in Economics*, 4th edition, Edward Elgar Publishing.
8. *Fellow Award of the International Regional Science Association*, the World Regional Science Council, 2003.
9. *Member of Japan Academy*, since 2010.
10. *Fellow of the Econometric Society*, since 2018.

PUBLICATIONS:

Books and Monographs:

1. Spatial Development Planning: A Dynamic Convex Programming Approach, Amsterdam, North-Holland, 1978, xiv + 335.
2. Urban Economic Theory: land use and city size, Cambridge University Press, 1989, ix +336.
3. (With P. Krugman and A.J. Venables), The Spatial Economy: Cities, Regions, and International Trade, MIT Press 1999 (Japanese translation 2000, Spanish translation 2002).
4. (With J. Thisse), Economics of Agglomeration, Cities, Industrial Location, and Regional Growth, Cambridge University Press ,2002.
5. (Editor), Spatial Economics, Volume I and Volume II, The International Library of Critical Writings in Economics, Edward Elgar Publishing, Inc., UK, 2005.
6. (Editor), Regional Integration in East Asia: From the Viewpoint of Spatial Economics, UK: Palgrave Macmillan, 2007.
7. (Editor, with Satoru Kumagai and Koji Nishikimi), Economic Integration in East Asia: Perspectives from Spatial and Neoclassical Economics, Edward Elgar, 2008.
8. (Editor, with Ikuo Kuroiwa, and Satoru Kumagai), The Economics of East Asian Integration: A Comprehensive Introduction to Regional Issues, Edward Elgar, 2011.
9. (With J. Thisse), Economics of Agglomeration, Cities, Industrial Location, and Regional Growth, Second Edition, Cambridge University Press, 2013.
10. (With Nobuaki Hamaguchi and Yoshihiro Kameyama), Spatial Economics for Building Back Better: The Japanese Experience, Springer, 2021.

Papers: (*: in refereed journals)

- * 1. (With K. Amano and Y. Aoyama), “The Information Theory Applied to a Study on the Distribution Pattern of Urban Population,” Proceedings of the Japan Society of Civil Engineers, No. 142, June 1967, pp. 31-36 (in Japanese).
- * 2. (With K. Amano), “A Study on the Progress Process of the Urban Population Density Distribution Pattern,” Proceedings of the Japan Society of Civil Engineers, No. 143, July 1967, pp. 16-21 (in Japanese).
3. (With K. Amano), “A Study on Regional Economic Efficiency of Improving Transportation Facilities,” The Memoirs of the Faculty of Engineering, Kyoto University , Vol. XXX, part 4, 1968, pp. 419-451
- * 4. (With K. Amano), “A Long Run Economic Effect Analysis of Alternative Transportation Facility Plans--Regional and National,” Journal of Regional Science, Vol. 10, No.3 , 1970, pp. 297-323.

5. (With K. Amano), "A Study on the Estimation Model of Interregional Trade Pattern Coefficients," Annual Report of Japan Society of Regional Science, No. 8, 1970, pp. 179-186. (in Japanese)
- * 6. "Optimum Growth in Two-Region Two-Good Space System: Final State Problem," Journal of Regional Science 13, No. 3, 1973, pp. 385-407.
- * 7. "Optimum Allocation of Urban Activities Over Time," Proceedings of the Japan Society Civil Engineers, No. 222, 1974, pp. 105-120. (in Japanese)
8. "Dynamic Analysis of the Urban Spatial Growth," Report Number A-13-2, Japan Research Center of Transport Policy, May 1974, pp. 1-35, (in Japanese).
9. (With M. Kashiwadani), "Development of Urban Residential Theory through Programming Approach," Proceedings of the Japan Society of Regional Science, September 1974, pp. 67-89, (in Japanese).
10. "Optimum Expansion Process of Urban Space," Annual Report of Japan Society of Regional Science, Vol. 4, 1975, pp. 105-127, (in Japanese).
- * 11. "Duality and Maximum Principle in Multi-Period Convex Programming," Journal of Mathematical Economics, Vol. 1, No. 3, 1974, pp. 295-326.
- * 12. "On Optimal Development in a Multi-Commodity Space System," Regional Science and Urban Economics, Vol. 5, No. 1, 1975, pp. 59-89.
- * 13. "Spatial Patterns of Urban Growth: Optimum and Market," Journal of Urban Economics, Vol. 3, No. 3, 1976, 209-241.
- * 14. "Toward a Dynamic Theory of Urban Land Use," Papers of Regional Science Association, Vol. 36, 1976, 133-165.
15. "Economic Analysis of Urban Spatial Structure," in Urban Economics (ed. Hiroyuki Yamada), Yuhkikaku Publishing Company, Tokyo, 1978, 65-92 (in Japanese).
- * 16. "Spatial Patterns of Urban Growth and Contraction: Problem A," Geographia Polonica, Vol. 42, 1979, pp. 111-148.
- * 17. (With H. Ogawa), "Equilibrium Land Use Patterns in a Nonmonocentric City," Journal of Regional Science, Vol. 20, No. 4, 1980, pp. 455-475.
18. (With A. Ando), "Dynamics of Residential Development with Multiple Income Classes," in Working Papers in Regional Science and Transportation (No. 17), University of Pennsylvania, September 1979 (64 double-spaced pages).
19. "A Multiperiod Model of Urban Land Market under Uncertainty," in Working Papers in Regional Science and Transportation (No. 27), University of Pennsylvania, April 1980 (144 double-spaced pages).

- * 20. "Location of Firms with Input Transactions," Environment and Planning A, Vol. 13, 1981, pp. 1401-1414.
- 21. "Spatial Dynamics of Urban Land Use," in Spatial Dynamics Models, edited by Griffith and MacKinnon, Sijthoff/Noordhoff Int. Publishers, 1981, pp. 404-439.
- 22. "Urban Land Market under Uncertainty with Infinite Time Horizon," Working Papers in Regional Science and Transportation (No. 59), University of Pennsylvania, 1982 (51 double-spaced pages).
- * 23. "Spatial Patterns of Residential Development," Journal of Urban Economics, Vol. 12, 1982, pp. 22-52.
- * 24. (With T. Akita), "Spatial Development Patterns with Renewal in a Growing City," Environment and Planning A, Vol. 14, 1982, pp. 205-223.
- * 25. (With H. Ogawa), "Multiple Equilibria and Structural Transition of Nonmonocentric Urban Configuration," Regional Science and Urban Economics, Vol. 12, 1982, pp. 161-196.
- 26. (With M. Kashiwadani), "Tokyo Model for Urban Spatial Dynamics," Modeling and Simulation Volume 13, Proceedings of the Thirteenth Annual Pittsburgh Conference, 1982, pp. 1259-1266.
- * 27. (With C.H. Yang), "Urban Spatial Structure with Open Space," Environment and Planning A, Vol. 15, 1983, pp. 67-84.
- * 28. "Urban Spatial Dynamics: A Review," Sistemi Urbani, 3, 1983, pp. 411-475.
- 29. "Efficiency and Equity in Regional Development with Agglomeration Economies," in International and Regional Conflict: Analytical Approaches, edited by Isard and Nagao, Ballinger Press, 1983, pp. 187-223.
- * 30. "Towards a General Equilibrium Model of Urban Land Use," La Revue Economique, Vol. 36, 1985, pp. 135-167.
- * 31. "Existence and Uniqueness of Urban Land Use Equilibrium and Optimum," Proceedings of the Japan Society of Civil Engineers, No. 353, January 1985, pp. 11-23 (in Japanese).
- 32. "The Spatial Growth of Tokyo Metropolitan Area," in Regional and Industrial Development: Theories, Models and Empirical Evidence, edited by W. Isard, A.E. Andersson, and T. Puu, North-Holland, 1985, pp. 41-59.
- 33. (With N. Toyomane), "Estimation of Trade Coefficients for the Multiregional I-0 Model: An Application to Indonesia," Modeling and Simulation Vol. 16, Proceedings of the Sixteenth Annual Pittsburgh Conference, 1985, pp. 131-135

- * 34. "Existence and Uniqueness of Equilibrium and Optimal Land Use: Boundary Rent Curve Approach," Regional Science and Urban Economics, 15, 1985, pp. 295-324.
- 35. "Urban Land Use Theory," in J.J. Gabszewicz et.al., Location Theory, Chur: Switzerland, Harwood Academic Publishers, 1986, pp. 73-149.
- * 36. "Optimal Location of Public Facilities: Area Dominance Approach," Regional Science and Urban Economics, 16, 1986, pp. 241-268.
- * 37. (With J.F. Thisse), "Spatial Competition with a Land Market: von Thünen and Hotelling Unified," Review of Economic Studies, 53, 1986, pp. 819-841.
- * 38. (With T. Smith), "Existence of Continuous Residential Land-Use Equilibria," Regional Science and Urban Economics, 17, 1987, pp. 549-594.
- * 39. "A Monopolistic Competition Model of Spatial Agglomeration: Differentiated Product Approach," Regional Science and Urban Economics, 18, 1988, pp. 87-124.
- * 40. (With H. Ogawa and J.F. Thisse), "Spatial Competition Approach to Central Place Theory," Journal of Regional Science, 28, 1988, No. 4, pp. 477-494.
- * 41. (With M. Kashiwadani), "Testing the Efficiency of Urban Spatial Growth: A Case Study of Tokyo," Journal of Urban Economics, 25, 1989, pp. 156-192.
- * 42. (With H. Ogawa), "Non-Monocentric Urban Configurations in a Two-Dimensional Space," Environment and Planning A, vol. 21(3), 1989, pp. 363-374.
- 43. "Optimality Conditions for a Class of Multiperiod Portfolio Choice Problems," Working Paper No. 133, Department of Regional Science, University of Pennsylvania, 1989.
- * 44. (With T. Smith), "Additive-Interaction Models of Spatial Agglomeration," Journal of Regional Science, 30, 1990, pp. 51-74.
- * 45. (With H. Abdel-Rahman), "Product Variety, Marshallian Externalities, and City Size," Journal of Regional Science, 30, 1990, pp. 165-183.
- 46. "Spatial Interactions and Agglomeration in Urban Economics," in M.Chatterji and R.E. Kunne (eds.), New Frontiers in Regional Science, Macmillan Publishers, London, 1990, pp. 185-221.
- * 47. (With Y.Asami and T. Smith), "On the Foundations of Land Use Theory: Discrete versus Continuous Populations," Regional Science and Urban Economics, 20, 1991, pp. 473-508.
- 48. (With R. Ishii), "Global Economic Restructuring and Urbanization Processes in East Asia: An Overview," Research Report 91 no. 1, International Center for the Study of East Asian Development, 1991.

- * 49. (With H.L. Liu), "A Monopolistic Competition Model of Spatial Agglomeration with Variable Density," Annals of Regional Science 25, pp. 81-99, 1991.
- * 50. (With J.F. Thisse), "Spatial Duopoly and Residential Structure," Journal of Urban Economics 30, pp. 27-47, 1991.
- * 51. "A Rational Expectations Equilibrium Model of Urban Growth and Land Markets," Journal of Real Estate Finance and Economics 4, 1991, pp. 225-265.
- * 52. (With M. Ota), "Communication Technology and Spatial Configurations of Intrafirm Units and Residential Units," Studies in Regional Science 22, No. 1, pp. 87-104, 1991.
- * 53. (With S. Takahashi), "Regional Income Disparity and Fiscal-Monetary Policy: An Interregional Macroeconomic Model of Japan," Annals of Regional Science 26, pp. 231-256, 1992.
- * 54. (With M. Berliant), "Alonso's Discrete Population Model of Land Use: Efficient Allocations and Competitive Equilibria," International Economic Review 33, pp. 535-566, 1992.
- * 55. (With Y.Asami and J.F. Thisse), "A Land Capitalization Approach to the Efficient Provision of Urban Facilities," Regional Science and Urban Economics 23, 1993, pp. 487-522.
- * 56. (With M. Ota), "Communication Technologies and Spatial Organization of Multi-unit Firms in Metropolitan Areas," Regional Science and Urban Economics 23, 1993, pp. 695-729.
- * 57. (With H. Abdel-Rahman), "Specialization and Diversification in a System of Cities," Journal of Urban Economics 33, pp. 189-222, 1993.
- 58. (With S. Tokunaga), "Impact of Landownership on Residential Land Use Equilibria," in T.R. Laksmanan and P. Nijkamp (eds.), Structure and Change in the Space Economy: Festschrift in Honor of Martin Beckmann, Springer and Verlag, 1993, pp. 178-215.
- * 59. (With J. F. Thisse), "Technological Linkages and Efficient Location of Indivisible Activities: Koopmans-Beckmann and Von Thünen Unified," Journal of Urban Economics 34, pp. 118-141, 1993.
- * 60. "Monopolistic Competition and Urban Systems," European Economic Review 37, pp. 308-315, 1993.
- 61. (With S. Tokunaga), "Landownership and Welfare Impact of Zoning Regulations," In Kohno, H. and P. Nijkamp (eds.) Potentials and Bottlenecks in Spatial Development: Festschrift in Honor of Yasuhiko Oishi, Springer-Verlag, 1993, pp. 1-22.

62. “L'équilibre spatial - L'interaction entreprises ménages,” in J.-P. Auray et. al. (eds.), Encyclopédie d' Économie Spatiale 1994, pp. 213-223.
- * 63. (With P. Krugman), “When is the Economy Monocentric?: von Thünen and Chamberlin unified,” Regional Science and Urban Economics 25, 1995, pp. 505-528.
64. (With G. Abdel-Musik, N. Hamaguchi, H. Y. Kim and D. Pelletiere), “North American Regional Integration and Multinational Firms,” in K. Ohno and Y. Okamoto (eds.), Regional Integration and Foreign Investment: Implications for Developing Countries, Institute of Developing Economies, 1995, pp. 201-354 (in Japanese).
65. (With P. Krugman and T. Mori), “On the Evolution of Hierarchical Urban Systems,” Discussion Paper No. 419, Institute of Economic Research, Kyoto University, 1995.
- * 66. (With T. Mori), “The Role of Ports in the Making of Major Cities: self-organization and hub-effect,” Journal of Development Economics 49, 93-120, 1996.
- * 67. “On the Self-Organization and Evolution of Economic Geography,” The Japanese Economic Review 47, No. 1, 33-60, 1996.
- * 68. (With J.F. Thisse), “Economics of Agglomeration,” Journal of the Japanese and International Economics 10, 339-378, 1996.
69. “Towards an Evolutionary Theory of Spatial Economies,” in (M. Ohyama, K. Nishimura and H. Yoshikawa, eds.) Frontiers of Modern Economics, Chapter 5, 89-114, Toyo Keizai Shinpo Sha, Japan, 1996 (in Japanese).
70. (With P. Krugman), “Urban Systems and Regional Development,” in M. Chatterji (ed.), Regional Science: Perspectives for the Future, London: Macmillan and Martin's Press, 7-25, 1997.
- * 71. (With T. Tabuchi), “Regional Growth in Postwar Japan,” Regional Science and Urban Economics 27, 643-670, 1997.
- * 72. (With T. Mori), “Structural Stability and Evolution of Urban Systems,” Regional Science and Urban Economics 27, 399-442, 1997.
- * 73. (With J.F. Thisse and Y. Zenou), “On the Endogenous Formation of Secondary Employment Centers in a City,” Journal of Urban Economics 41, 337-357, 1997.
- * 74. (With C.M. Lee), “Efficient Configuration of a Greenbelt-theoretical Modeling of Greenbelt Amenity,” Environment & Planning A 29, 1999-2017, 1997.
- * 75. (With J.F. Thisse), “Économie géographique, Problèmes anciens et nouvelles perspectives,” Annales d'Économie et de Statistique 45, 38-87, 1997.
76. “The Future of Manufacturing in Metropolis.” Proceedings of Metropolis '96 Tokyo, Tokyo Metropolitan Government, pp. 176-179, 1997.

77. “Introduction to Spatial Economics”, in *Economics of Complexity: Introduction and Practice*, edited and published by Diamond Inc., Tokyo, Chapter 5, 137-155,1997 (in Japanese).
78. (With N. Hamaguchi), “Producer Services and the Spatial Structure of an Economy,” Discussion Paper No. A-6, Center for the Study of Complex Economic Systems, Institute of Economic Research, Kyoto University, 1997.
79. (With J. Thisse), “The New Economic Geography: A Selective Survey,” in Daniel Cohen (ed.), *Contemporary Economic Issues*, Vol.3, MACMILAN PRESS, 23-43, 1998
80. (With M. Hisatake), “A Study on the Regional Economic Transformation from the Viewpoint of New Geographical Economics,” in R. Komiya and M. Okuno (eds.), *Tasks of Japanese Economy in the Twenty-First Century*, Toyo Keizai, 281-320, 1998.
81. (With R. Ishii), “Global Location Behavior and Organizational Dynamics of Japanese Electronics Firms and Their Impact on Regional Economies,” in A.D. Chandler, P. Hagström and Örjan Sölvell (eds.), *The Dynamic Firm*, Oxford University Press, 343-383, 1998.
- * 82. (With T. Mori), “On the Dynamics of Frontier Economies: Endogenous growth or the self-organization of a dissipative system?,” *Annals of Regional Science* 32, 39-62, 1998.
- * 83. (With M. Hisatake), “Development of Regional Economic System in Japan and East Asia: an empirical study based on New Geographical Economics,” *METI Research Review* 13, July, 41-101, 1999 (in Japanese).
- * 84. (With P. Krugman and T. Mori), “On the Evolution of Hierarchical Urban Systems,” *European Economic Review* 43, 209-251, 1999.
85. (With T. Mori), “A Flying Geese Model of Economic Development and Integration: Evolution of International Economy a la East Asia, Discussion Paper No. 493, Institute of Economic Research, Kyoto University, Kyoto, 1999.
86. “Spatial Economics and Complex System Theory,” *Mathematical Sciences* No.432, 69-83, 1999 (in Japanese).
87. “Social Science Research and Policy in Japan,” in OECD Proceedings, *The Social Science at a Turning Point?*, OECD, 63-70,1999.
- * 88. “Location and Space Economy at a Half a Century: Revisiting Professor Isard’s Dream on the General Theory,” *The Annals of Regional Science* 33, 371-381, 1999.
89. “On the Spatial Transformation and Planning of Mega Cities,” in Kawashima T. and Fu-Chen Lo (eds.), *Tokyo: A Mega City in Transition*, United Nations University in

Tokyo (forthcoming).

90. (With J. Thisse), “The Formation of Economic Agglomeration: Old Problems and New Perspectives,” in J. Huriot and J. Thisse (eds.), Economics of Cities, Cambridge University Press, 3-73, 2000.
91. (With P. Krugman), “A Monopolistic Competition Model of Urban Systems and Trade,” in J. Huriot and J. Thisse (eds.), Economics of Cities, Cambridge University Press, 167-216, 2000.
- * 92. (With D. Hu), “Regional Disparity in China 1985-1994: Effects of Globalization and Economic Liberalization,” Annals of Regional Science 35, 3-37, 2001.
93. (With T. Mori), “Transport Development and the Evolution of Economic Geography,” in A. Auderson and K. Kobayashi (eds.), Complex System as Infrastructure, Berlin: Springer-Verlag (forthcoming).
94. (With N. Hamaguchi), “Market Potential Analysis of Investment Diversion: Application to the Effect of NAFTA on the Japanese Electronics Industry,” in K. Ohno (ed.) Economic Development and Regional Economic Structure, Institute of Developing Economies, 161-182, 2000 (in Japanese).
- * 95. (With N. Hamaguchi), “Intermediate Goods and the Spatial Structure of an Economy,” Regional Science and Urban Economics 31, 79-109, 2001.
- * 96. (With T. Arita), “Local Agglomeration and Global Networks of the Semiconductor Industry: A Comparative Study of U.S. and Japanese Firms,” Review of Urban & Regional Development Studies 13, No. 2, 85-109, 2001.
- * 97. (With J. Thisse), “Agglomeration et Marche,” Cahiers d’ Economie et Sociologie Rurales 58-59, 11-57, 2001.
98. (With J. Thisse), “Agglomeration and Market Interaction,” in M. Dewatripont, L. P. Hansen and S. J. Turnovsky (eds.), Advances in Economics and Econometrics, Eighth World Congress of the Econometric Society, Volume I, Cambridge Press, 2003, pp. 302-338.
99. “Introduction to Spatial Economics,” Keizai Seminar No.577, February 2003, pp. 70-76 (in Japanese).
- * 100. (With J. Thisse), “Does Geographical Agglomeration Foster Economic Growth? And Who Gains and Loses from It?”, The Japanese Economic Review 54, No.2, June 2003, pp. 121-145.
101. “On the Further Development of Real Estate Financial Engineering,” in T. Kariya and M. Fujita (eds.), Real Estate Financial Engineering and The Activation of Real Estate Markets, 2003, Tokyo Keizai Shinposha, Tokyo, pp. 3-16 (in Japanese).
102. (With V. Henderson, Y. Kanemoto, T. Mori), “Spatial Distribution of Economic

- Activities in Japan and China,” in V. Henderson and J. Thisse (eds.), Handbook of Urban and Regional Economics, vol.4, North-Holland, 2004, Chapter 6, pp.2912-2977.
- * 103. (With P. Krugman), “The New Economic Geography: Past, Present and the Future,” Papers in Regional Science 83, pp. 139-164, 2004.
 - * 104. (With T. Gokan), “On the Evolution of the Spatial Economy with Multi-unit • Multi-plant Firms: the Impact of IT Development,” Portuguese Economic Journal 4, pp.73-105, 2005.
 - * 105. (With T. Mori), “Transport Development and the Evolution of Economic Geography,” Portuguese Economic Journal 4, pp.129-156, 2005.
 - * 106. (With T. Mori), “Frontiers of the New Economic Geography,” Papers in Regional Science 84 (3), pp.377-405, 2005.
 - * 107. (With J. Thisse), “Globalization and the Evolution of the Supply Chain: Who Gains and Who Loses?,” International Economic Review 47, No.3, pp.811-836, 2006.
 - * 108. (With T. Arita, Y. Kameyama) “Effects of Regional Cooperation among Small and Medium-sized Firms on Their Growth in Japanese Industrial Clusters,” Review of Urban and Regional Development Studies 18, No.3, pp.209-228, 2006.
 - 109. “Spurring Economic Development by Capitalizing on Brand Agriculture: Turning Development Strategy on Its Head,” in Rethinking Infrastructure for Development, The Proceedings of Annual World Bank Conference on Development Economics in Tokyo 2005, Oxford University Press, New York , pp.205-229, 2007.
 - * 110. “Towards the New Economic Geography in the Brain Power Society,” Regional Science and Urban Economics 37, pp.482-490, 2007.
 - * 111. “The Development of Regional Integration in East Asia: From the Viewpoint of Spatial Economics,” Review of Urban and Regional Development Studies 19, No.1, pp.2-20, 2007.
 - * 112. (With M. Muto), “Brand Agriculture as a Development Strategy for Remote Regions,” Journal of JBIC Institute Vol.33, Japan Bank of International Cooperation, pp.97-108, 2007.(in Japanese).
 - * 113. (With M. Berliant), “Knowledge Creation as a Square Dance on the Hilbert Cube,” International Economic Review 49, No.4, pp.1251-1295, 2008.
 - 114. (With N. Hamaguchi), “Regional Integration in East Asia: Perspective of Spatial and Neoclassical Economics,” in M. Fujita, S. Kumagai and K. Nishikimi (eds.), Economic Integration in East Asia: Perspectives from Spatial and Neoclassical Economics, Edward Elgar, pp.13-42, 2008.
 - 115. “Formation and Growth of Economic Agglomerations and Industrial Clusters: A Theoretical Framework from the Viewpoint of Spatial Economics,” in A. Kuchiki and M. Tsuji (eds.), The Flowchart Approach to Industrial Cluster Policy, Palgrave

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- * 116. (With J.-F. Thisse), “New Economic Geography: An appraisal on the occasion of Paul Krugman’s 2008 Nobel Prize in Economic Sciences,” Regional Science and Urban Economics 39, No.2, 109-119, 2009.
- * 117. (With M. Berliant), “Dynamics of Knowledge Creation and Transfer: The Two Person Case,” International Journal of Economic Theory 5, No.2, pp.155-179, 2009.
- 118. “Dynamics of Innovation Fields with Endogenous Heterogeneity of People,” in C. Karlsson, A.E. Andersson, P.C. Cheshire, R.R. Stough (eds.), New Directions in Regional Economic Development, Springer, pp.59-78, 2009.
- 119. “Knowledge Interactions and Travel Behavior,” in R. Kitamura, T. Yoshii and T. Yamamoto (eds.), The Expanding Sphere of Travel Behavior Research, Emerald, U.K., pp.17-39, 2009.
- 120. “From Industrial Agglomeration to Industrial Cluster: a View from Spatial Economics,” in M. Fujita, S. Yamashita and Y. Kameyama (eds.), Industrial Cluster and Regional Management, Taka Publishing Inc., Tokyo, pp.3-25, 2009 (in Japanese).
- * 121. “The Evolution of Spatial Economics: from Thünen to The New Economic Geography,” The Japanese Economic Review 61, No.1, pp.1-32, 2010.
- * 122. (With S. Weber), “Immigration Quotas in the Globalized Economy,” Journal of the New Economic Association 7, pp.10-23, 2010.
- 123. (With N. Hamaguchi), “Regional Integration of Production System and Spatial Income Disparities in East Asia,” in M.N. Jovanović (ed.), International Handbook on the Economics of Integration Volume 2, Edward Elgar Publishing, 2011.
- * 124. (With M. Berliant), “The Dynamics of Knowledge Diversity and Economic Growth,” Southern Economic Journal 77, No.4, pp.856-884, 2011.
- * 125. (With N. Hamaguchi), “Japan and Economic Integration in East Asia: Post-Disaster Scenario,” Annals of Regional Science 48, No.2, pp.485-500, 2012.
- * 125. (With M. Berliant), “Culture and diversity in knowledge creation,” Regional Science and Urban Economics 42, No.4, pp.648-662, 2012.
- * 127. “Thünen and the New Economic Geography,” Regional Science and Urban Economics 42, No.6, pp.907-912, 2012.
- * 128. “Regional Integration and Cultures in the Age of Knowledge Creation. The Story of the Tower of Babel Revisited,” Italian Journal of Regional Science 14, No.1, pp.19-40, 2015.

- * 129. (With N. Hamaguchi), “Supply chain internationalization in East Asia: inclusiveness and risks,” Papers in Regional Science 95, No.1, pp81-100, 2016.
- 130. (With M. Berliant), “Evil deeds in urban economics,” MPRA paper #95797. Munich: Munich Personal RePEc Archive, Munich University Library, 2019.
- 131. (With N. Hamaguchi), “Globalisation and the COVID-19 pandemic: A spatial economics perspective,” VoxEU August 16, 2020.
- * 132. (With P. Wang), “Tribute to Marcus Berliant: A pivotal matchmaker of general equilibrium and spatial economics,” International Journal of Economic Theory 16, No.1, pp6-26, 2020.
- * 133. “General equilibrium theory of land,” Oxford Research Encyclopedia of Economics and Finance 31pages, 2020.

SPONSORED RESEARCH:

“Development of a Dynamic Theory of Urban Land Use,” National Science Foundation, July 1, 1978-June 30, 1980, Grant No. SOC 78-12888.

“Empirical Testing of a Dynamic Theory of Urban Land Use,” National Science Foundation, August 1, 1980-January 31, 1982, Grant No. SES 80-14527.

“Development of General Equilibrium Models of Urban Land Use,” National Science Foundation, July 15, 1985-July 14, 1986 (COPI, J.F. Thisse).

“Land Capitalization and Efficient Provision of Urban Infrastructures,” Wharton Real Estate Center, June 1, 1989-May 31, 1990.

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“North American Regional Integration and Multinational Firms,” Institute of Developing Economies, Japan, June 1, 1993-April 1, 1994.

“Self-organization of Spatial Economies”, Grant-in-Aid for Research No 08403001 of the Ministry of Education, Science and Culture in Japan, April 1996-March 2000.

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RS 524/210, Location Analysis and Regional Development

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