

Curriculum Vitae

1. Name: John Vernon Henderson

Department of Economics  
Brown University

2. Education:

High School: Ridley College, St. Catharines, Ontario, 1964.

College: University of British Columbia, B.A., in honors economics, 1968.

University: University of Chicago, A.M., Ph.D., economics,  
1972. Thesis Title: "The Sizes and Types of Cities."

3. a) Appointments Related to Economics:

January, 1972 - June, 1974: Assistant Professor of Economics, Queen's University, Canada.

January, 1974 - September, 1974: Visiting Assistant Professor of Economics, University of Chicago.

July, 1974 - June, 1979: Assistant Professor of Economics and Urban Studies, Brown University.

July, 1976 - January, 1977: Visiting Lecturer, Tribhuvan University, Nepal.

July, 1979 - June, 1982: Associate Professor of Economics and Urban Studies, Brown University.

May, 1986 - May, 1988: Visiting Scholar, Institute of Economic Growth, Delhi University Campus,  
India.

July, 1982 - Present: Professor of Economics and Urban Studies, Brown University.

October, 1982 - Present: Research Associate, National Bureau of Economic Research.

January, 1994 - Present: Eastman Professor of Political Economy, Brown University.

January 2004- July 2004: Leverhulme Visiting Professor, London School of Economics.

b) Administrative Positions:

1986-1995: Chair, Urban Studies Program, Brown University

1989-1992: Vice Chair, Chair, Past Chair of the Faculty and the Faculty Executive Committee, Brown  
University

1995-1998: Chair, Economics Department, Brown University

1999-2007: Chair, Urban Studies Program, Brown University

4. a) Books or Monographs:

Peer Group Effects and Educational Production Functions, with P. Mieszkowski and Y. Sauvageau, Economic Council of Canada, 1976.

Economic Theory and the Cities, New York: Academic Press, 1977.

Research in Urban Economics, Vols. 1-3, Greenwich: JAI Press.

Economic Theory and the Cities, 2nd edition, Academic Press, 1985.

Urban Development: Theory, Fact, and Illusion, Oxford University Press, 1988. Paperback edition, Oxford Univ. Press, 1991.

Principles of Economics, D.C. Heath, 1991 (with Bill Poole).

Handbook of Urban and Regional Economics, J.V. Henderson and J-F Thisse (eds), North Holland. 2004.

b) Chapters in Books

"Analytical Propositions About the System of Cities in an Economy," Policy Formation in an Open Economy, R.A. Mundell and B.E. van Snellenberg (eds.), University of Waterloo, 1975.

"Theories of Group, Jurisdiction and City Size," Current Issues in Urban Economics, P. Mieszkowski and M. Straszheim (eds.), Johns Hopkins Press (1979).

"Industrialization and Urbanization, International Experience" in National Research Council, Population Growth and Economic Development: Background Papers, Washington: National Academy Press, 1986.

"General Equilibrium Modeling of Systems of Cities" in Handbooks in Regional and Urban Economics, Vol. 2, P. Nijkamp and E.S. Mills (eds.), North-Holland, 1987, 225-254.

"Aspects of Urban Concentration in Brazil" in The Economics of Urbanization, George Tolley and Vinod Thomas (eds.), Johns Hopkins Press, 1987.

"Systems of Cities and Inter-City Trade" in Fundamentals of Pure and Applied Economics, 22, J. Lesourne and H. Sonnenschein (eds.), Harwood Academic Publishers, 1987.

"The Impact of a Mexico-US Free Trade Agreement on Industrial Location" in P. Garber (ed.), A North American Free Trade Agreement, MIT Press, 1993.

"Comment on 'Urban Concentration' by Krugman," Annual Conference on Development Economics,

1994, World Bank, 1995, 270-274.

"Comment on Krugman's Urban Concentration," Japan and the World Economy, 1996.

"Geographics of Smog," Perspectives: The Cato Review of Business and Government, 1998, 21, 11-13.

"Intra Industry Specialization and Urban Development" (with Randy Becker), in The Economics of Cities, J-M Huriot and J. Thisse (eds.), Cambridge University Press, 2000.

"Urban Scale Economies," Sage Handbook of Urban Studies, R. Paddison (ed.), 2001.

"Costs of Air Quality Regulation" (with Randy Becker) in Distributional and Behavioral Effects of Environmental Policy: Evidence and Controversies, C Carraro and G. Metcalf (eds.), NBER (through U. of Chicago Press), 2001.

"The Monopolistic Competition Model of Urban Economic Geography", in The Monopolistic Competition Revolution After Twenty-five Years, S Brakman and B.J. Heijdra (eds.) Cambridge University Press, 2003.

"The Spatial Distribution of Economic Activities in Japan and China (with M. Fujita, Y. Kanemoto, T. Mori), Handbook of Urban and Regional Economics, J.V. Henderson and J-F Thisse (eds), North Holland. 2004.

"Urbanization and Growth," Handbook of Economic Growth, P. Aghion and S. Durlauf (eds.), North Holland, 2005.

"Growth of China's Medium Size Cities" in Brookings-Wharton Papers on Urban Affairs, 2005, G. Burtless and JR. Pack (eds), Brookings Institution Press

"Spatial Dimensions of Chinese Development" (with K.W. Chan and K. Y. Tsui) in China's Great Transformation: Origins, Mechanisms, and Consequences of the Post-Reform Economic Boom, Thomas Rawski and Loren Brandt (eds.), Cambridge University, 2008

"The Effect of Residential Land Market Regulations of Urban Welfare" in Proceedings for the 2007 Urban Research Symposium, Urban Land, M Freire and J Helluin (eds), World Bank,

#### c) Articles:

"Increasing Returns to Scale, Free Trade and Factor Mobility: A Note on Equilibrium," Canadian Journal of Economics, 1972, pp. 293-298.

"Hierarchy Models of City Size: An Economic Evaluation," Journal of Regional Science, 1972, 435-441.

"Optimum City Size: The External Diseconomy Question," Journal of Political Economy (1974), 82, 373-388. An essay, "Externality Policies and City Size," based upon this article is published in

- J. Gardner, P. Graves, and G. Tolley (eds.), Urban Growth Policy in a Market Economy, New York: Academic Press, 1979.
- "Public Goods, Efficiency, and Regional Fiscal Equalization," Journal of Public Economics, (with F. Flatters and P. Mieszkowski) (1974), 3, 99-112. Reprinted in B.G. Brewal, et al., (eds.), The Economics of Federalism, Canberra: Australian National University Press, 1980 and in J-F Thisse (ed.), Location Theory, Edward Elgar Publishing Ltd., United Kingdom, 1996.
- "Road Congestion: A Reconsideration of Pricing Theory," Journal of Urban Economics (1974), 1, 346-365.
- "The Sizes and Types of Cities," American Economic Review (1974), 64, 640-656. Reprinted in Location Theory, J.-F. Thisse (ed.), Edward Elgar Publishing Limited UK 1996.
- "A Note on the Economics of Public Intermediate Inputs," Economica (1974), 41, 322-327.
- "Congestion and Optimum City Size," Journal of Urban Economics (1975), 2, 48-62.
- "Externalities in a Spatial Context," Journal of Public Economics (1977), 7, 89-110.
- "Peer Group Effects and Education," Journal of Public Economics (1978), 10, 97-106.
- "Comment on Internalizing Pollution Externalities," Journal of Urban Economics, 1979, 6, 405-6.
- "Exploitation of the Lobster Fishery: Some Empirical Results," Journal of Environmental Economic and Management (with M. Tugwell), 1979, 6, 287-296. Reprinted in Y.J. Ahmad, P. Dasgupta, K-G Maler (eds.), Environmental Decision Making, Vol. 2, United Nations Environmental Program, London: Hodder and Stoughton.
- "Community Development: The Effects of Growth and Uncertainty," American Economic Review, 1980, 70, 894-910.
- "The Economics of Staggered Work Hours," Journal of Urban Economics, 1981, 9, 349-364.
- "Aspects of Growth in a System of Cities," Journal of Urban Economics (with Y. Ioannides), 1981, 10, 117-139.
- "Evaluating Consumer Amenities and International Welfare Differences," Journal of Urban Economics, 1982, 11, 33-59. Reprinted in Regional Policy and Regional Integration, N. Hansen (ed.), Edward Elgar Publishing Ltd. UK 1996.
- "Systems of Cities in Closed and Open Economies," Regional Science and Urban Economics, 1982, 12, 325-350. Reprinted in N. Hansen (ed.), Regional Policy and Regional Integration, Edward Elgar Publishing Ltd., 1996.
- "The Impact of Government Policies on Urban Concentration," Journal of Urban Economics, 1982, 12, 280-303.

- "A Model of Housing Tenure Choice," (with Y. Ioannides), *American Economic Review*, 1983, 73, 98-113. Reprinted in The Economics of Housing, J. Quigley (ed.), Edward Elgar Publishing Ltd., United Kingdom, 1997.
- "The Impact of Zoning Policies Which Regulate Housing Consumption," Journal of Urban Economics, 1985, 18, 302-312.
- "The Tiebout Model: Bring Back the Entrepreneurs," Journal of Political Economy, 1985, 93, 248-264.
- "Property Tax Incidence: Exemptions and Perceptions," Journal of Political Economy, 1985, 93, 648-665.
- "Population Composition of Cities: Restructuring the Tiebout Model," Journal of Public Economics, 1985, 27, 131-156.
- "Efficiency of Resources Usage and City Size," Journal of Urban Economics, 1986, 19, 47-70.
- "Urbanization in a Developing Country: City Size and Population Composition," Journal of Development Economics, 1986, 22, 269-293.
- "Tenure Choice and the Demand for Housing," Economica (with Y. Ioannides), 1986, 53, 231-246.
- "The Timing of Regional Development," Journal of Development Economics, 1986, 23, 275-292.
- "Owner-Occupancy: Consumption vs. Investment Demand," (with Y. Ioannides), Journal of Urban Economics, 1987, 21, 228-241.
- "Locational Centralization of State Owned Industries," Journal of Policy Modeling, November 1987.
- "Dynamic Aspects of Consumer Decisions in Housing Markets" (with Y. Ioannides), Journal of Urban Economics, 1989, 26, 212-230.
- "Implicit Contracts and Reputation in Land Development Markets" (with T. Miceli), Journal of Urban Economics, 1989, 26, 386-408.
- "Separating Tiebout Equilibrium," Journal of Urban Economics, 1991, 29, 128-152.
- "Optimal Regulation of Land Use Through Price and Fiscal Controls," Journal of Urban Economics, 1991, 30, 64-82.
- "Urban Diversity and Fiscal Decentralization" (with H. Abdel-Rahman), Regional Science and Urban Economics, 1991, 21, 491-510.
- "Peak-Shifting and Cost-Benefit Miscalculations," Regional Science and Urban Economics, 1992, 22, 103-122.
- "The Development of Non-Monocentric Cities," with E. Slade, Journal of Urban Economics, 1993, 34, 207-229. Reprinted in Analytical Urban Economics, H.W. Richardson (ed.), Edward Elgar

Publishing Limited, UK, 1996.

"Where Does an Industry Locate," Journal of Urban Economics, 1994, 35, 83-104.

"Community Choice of Revenue Instruments," Regional Science and Urban Economics, 1994, 24, 158-184.

"Will Homeowners Impose Property Taxes," Regional Science and Urban Economics, 1995, 25, 153-181.

"Industrial Development in Cities," Journal of Political Economy (with Kuncoro and Turner), 1995, 103, 1067-1090.

"The Dynamics of Jabotabek Development," Bulletin of Indonesian Economic Studies (with A. Kuncoro and D. Nasution), 1996.

"Effects of Air Quality Regulation," American Economic Review, 1996, 86, 789-813.

"Industrial Centralization in Indonesia," (with A. Kuncoro), World Bank Economic Review, 1996, 10, 513-540.

"The New Urban Landscape Developers and Edge Cities," (with A. Mitra), Regional Science and Urban Economics, 1996, 26, 613-643.

"The Impact of Air Quality Regulation on Industrial Location," Annales d'Économie et de Statistique, 1997, 123-137.

"Medium Size Cities," Regional Science and Urban Economics, 1997, 27, 583-612.

"Externalities and Industrial Development," Journal of Urban Economics, 1997, 42, 449-470.

"On the Pricing Strategy of a Land Developer," (with J. Thisse), Journal of Urban Economics, 1999, 45, 1-16.

"The Spatial Evolution of the Computer Industry in the USA," (with Mark Beardsell), European Economic Review, 1999.

"The Theory of Urban Growth," (with D. Black), Journal of Political Economy, 1999, 107, 252-284.

"Effects of Air Quality Regulations on Polluting Industries," (with Randy Becker), Journal of Political Economy, 2000, 108, 379-421. Reprinted in Economic Costs and Consequences of Environmental Regulation, W.B. Gray (ed.), Ashgate Publishing Limited, forthcoming 2001.

"Political Economy of City Size and Formation" (with Randy Becker) J. of Urban Economics, 2000, 48, 453-484.

"Scale Externalities in a Developing Country," (with T. Lee and Y-J Lee), Journal of Urban Economics, 2001, 49, 479-504.

- "Geography and Development," (with Z. Shalizi and A. Venables), Journal of Economic Geography, 2001, 1, 81-106.
- "On Strategic Community Development," (with J-F Thisse), Journal of Political Economy, 2001, 109, 546-569.
- "Urban Primacy, External Costs, and Quality of Life", Resource and Energy Economics, 2002, 24, 95-106.
- "Marshall's Scale Economies" Journal of Urban Economics, 2003, 53, 1-28
- "The Urbanization Process and Economic Growth: The So-What Question", Journal of Economic Growth, 2003, 8, 47-71.
- "Evidence on the Political Economy of the Urbanization Process", (with James Davis), Journal of Urban Economics, 2003, 53, 98-125.
- "Urban Evolution in the USA," Journal of Economic Geography, 2003, 3, 343-372.
- "Why Countries Are Fiscally Decentralizing," (with Mohammad Arzaghi), Journal Of Public Economics, 2005, 89, 1157-1199.
- "Aspects of the Rural-Urban Transformation of Countries," Journal of Economic Geography," (with Hyoungh Gun Wang), 2005.
- "How Migration Restrictions Limit Agglomeration and Productivity in China," Journal of Economic Development, (with C.C Au), 2006, 80, 350-388.
- "Are Chinese Cities Too Small," Review of Economic Studies, (with C.C. Au), 2006, 73, 549-576
- "Spatial Organization of Firms," Rand Journal of Economics, (with K. Aarland, J. Davis and Y. Ono), 2007, 38, 480-494.
- "Understanding Knowledge Spillovers," Regional Science and Urban Economics, 2007, 37, 497-508
- "Urbanization and City Growth: the Role of Institutions," (with H.G. Wang), Regional Science and Urban Economics, 37, 283-313
- "Determinants of City Growth in Brazil," (with D. da Mata, U. Deichmann, S. V. Lall, and H.G.Wang), Journal of Urban Economics, 2007, 62, 252-272
- "Where Do Manufacturers Locate Their Headquarters," (with Y. Ono), Journal of Urban Economics, 2008, 38, 480-494.
- "Networking Off Madison Avenue," (with M. Arzaghi), Review of Economic Studies, 2008, 75, 1011-1038.

“Agglomeration of Headquarters,” (with J. Davis), Regional Science and Urban Economics, 2008, 63, 431-450

“The Dynamics of City Formation” (with Tony Venables), Review of Economic Dynamics, 2009, 12, 233-254

“Cities and Development,” Journal of Regional Science, forthcoming

“Corruption and Local Democratization in Indonesia: The Role of Islamic Parties,” with Ari Kuncoro, Journal of Development Economics, forthcoming

d) Papers and Proceedings:

"Industrial Bases and City Size," American Economic Review, May 1983, 73, 164-168.

"Births, Survival and Plant Sizes in Industrial Organic Chemicals Under Air Quality Regulation" (with Randy Becker), Papers and Proceedings of National Tax Association 1996 Meetings.

"Spatial Evolution of Population and Industry in the USA," American Economic Association Papers and Proceedings, May 1999.

5. Working Papers

“China’s Land Market Auctions: Evidence of Corruption?” with Hongbin Cai and Qinghua Zhang

“How Under-Servicing Migrant Households Affects the Growth and Composition of Brazilian Cities,” with Leo Feler

“Measuring Economic Growth from Outer Space,” with Adam Storeygard and David Weil, American Economic Review, revise and resubmit

6. a) Fellowships and Honors:

John Simon Guggenheim Memorial Foundation 1984-85.

Earhart Foundation 1986.

Leverhulme Foundation, 2004

Fellow of Regional Science Association International, elected 2004.

b) Grants and Research Contracts:

National Science Foundation 1979-1980 to research the economics of systems of cities.

National Science Foundation 1981-1983 to undertake an empirical investigation of the production and city size relationships in the system of cities in the U.S.A.



World Bank 1979-1982 to study urban development in South and Southeast Brazil.

National Science Foundation 1982-1984 to research (with Y. Ioannides) housing tenure choice and consumption. Refunded for 1984-1985.

World Bank 1983-1984 to study urban development in China.

National Science Foundation 1984-1986 to research aspects of the Tiebout model.

National Science Foundation 1986-1988 to research aspects of contractual arrangements in land markets.

World Bank 1991- to study impacts of US-Mexico FTA on industrial location in USA.

National Science Foundation 1993-1995 to research the relationship between industrial composition and urban air quality and to examine the determinants of urban productivity.

National Science Foundation 1995-1998 to examine determinants of productivity and to study firm decisions under air quality regulation.

Asian Development Bank 1996-1997 to examine urbanization in Asia.<sup>8</sup>

National Science Foundation 1998-2001 to research determinants of spatial evolution of cities and industries and to study industrial productivity.

World Bank 1998-2001 to study effects of urbanization and urban primacy on national economic growth.

National Science Foundation 2001-2004 to study productivity, out-sourcing, and location decisions in the service sector.

World Bank 2001-2003 to study urbanization and city growth worldwide and in China.

National Science Foundation 2004-2008 to study corruption in Java, Indonesia and recovery from the Tsunami in Aceh, Indonesia.

National Institute of Health 2008-2013 to study recovery from the tsunami in Aceh, Indonesia

International Growth Center 2010-2012 to study land use, transportation and growth in cities in China.

## 7. Service to the Profession.

1978-Present: Member of Editorial Board for the Journal of Urban Economics.

1983-Present: Member of Editorial Board for Regional Science and Urban Economics.

1994-Present: Member of Editorial Board for Journal of Economic Growth.

2001-present: Associate Editor, Journal of Economic Geography

1995-1997: Member of Economics Panel for National Science Foundation.

1997- 2006: Member of the Board for the U.S. Census Bureau's Boston Research Data Center.

1998-1999: Member of AEA Nominating Committee.

1998-1999: Member of AEA Program committee for papers and proceedings.

1998-1999: Team member, World Development Report 1999/00.

2007-2008: Advisory Committee for 2008 World Development Report

2006- Present: Member of Editorial Board for Spatial Economic Analysis

2007-2008: President of the North American division of the Regional Science Association International

2008 - Present: President of the Urban Economics Association

2009: Graduate program review committee, University of Toronto

2009—Present: Member of Advisory Board for Peking University-Lincoln Land Institute Center

2009—Present: Member of Advisory Board for Peking University-IEPR

2009—Present: Member of Advisory Board for Spatial Economics research Center at LSE.

2009—Present: member of Fondazione Eni Enrico Mattei (FEEM)

#### 8. Seminars given in 2009

March: “Aid and volunteerism in Aceh,” LSE

April: “Aid and volunteerism in Aceh,” Minnesota

“Urbanization and Development,” conference at Federal Reserve Bank of New York

“Aid and volunteerism in Aceh,” UC, Berkeley

May “Housing markets in Chinese cities, Lincoln Land Institute

July “Urbanization in China,” seminar hosted by China Development and Research Foundation for the Development Research Center of the State Council and Chinese Academy of Social Sciences

September: Comments on “Understanding Permanent Black-White Inequality”, University of Wisconsin- Federal Reserve Bank of Atlanta conference

October: “Measuring Economic Growth from Outer Space,” conference hosted by FEEM, Milan

“China’s land market auctions: Evidence of corruption?” NBER

November: “China’s land market auctions: Evidence of corruption?” conference hosted by Federal Reserve Bank of Boston

“China’s land market auctions: Evidence of corruption?” North American Regional Science Council meetings

“The Geography of Development in Emerging Market Countries: The Case of China,” seminar hosted by Federal Reserve Bank San Francisco

December: “China’s land market auctions: Evidence of corruption?” University of Pennsylvania

#### 9. Ph. D Theses

Masaki Yamada, Ying Pan, Nate Schiff, Dan Puskin, Tiago Freire, Leo Feler, Manabu Nose, Adam Storeygard, Isabel Tecu, Yongsuk Lee, Zhichao Wei.