

John Vernon Henderson

CURRICULUM VITAE

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Current Positions

2013-Present School Professor of Economic Geography, London School of Economics
2014- Present Director of the Urbanisation in Developing Countries Program, CEP, LSE.
2016- Present Research Fellow, Centre for Economic Policy Research
2016- Present Research Affiliate, International Growth Centre (IGC)

Previous Positions

1982-2013 Research Associate, National Bureau of Economic Research
1982- 2013 Professor of Economics and Urban Studies, Brown University
1994-2013 Eastman Professor of Political Economy, Brown University
2004-2004 Leverhulme Visiting Professor, London School of Economics
1986-1988
India Visiting Scholar, Institute of Economic Growth, Delhi University Campus,
1979-1982 Associate Professor of Economics and Urban Studies, Brown University
1976-1977 Visiting Lecturer, Tribhuvan University, Nepal
1974-1979 Assistant Professor of Economics and Urban Studies, Brown University
1974-1974 Visiting Assistant Professor of Economics, University of Chicago
1972-1974 Assistant Professor of Economics, Queen's University, Canada

Administrative Responsibilities

2009-2010 Chair, Urban Studies Program, Brown University
1999-2007 Chair, Urban Studies Program, Brown University
1995-1998 Chair, Economics Department, Brown University

- 1989-1992 Vice Chair, Chair, Past Chair of the Faculty and the Faculty Executive Committee, Brown University
- 1986-1995 Chair, Urban Studies Program, Brown University

Education

- 1972 University of Chicago, A.M., Ph.D., in Economics
- 1968 University of British Columbia, B.A., in Honors Economics

Publications (Books)

- Handbook of Urban and Regional Economics* (2015). G. Duranton, J.V.Henderson. W. Strange (eds), North Holland.
- Handbook of Urban and Regional Economics* (2004). J.V. Henderson and J-F Thisse (eds), North Holland.
- Principles of Economics* (1991), with Bill Poole. D.C. Heath.
- Urban Development: Theory, Fact, and Illusion* (1988). Oxford University Press. Paperback edition (1991). Oxford Univ. Press.
- Economic Theory and the Cities* (1985). 2nd edition, Academic Press.
- Research in Urban Economics*, (YEAR). Vols. 1-3, Greenwich: JAI Press.
- Economic Theory and the Cities* (1977). New York: Academic Press.
- Peer Group Effects and Educational Production Functions* (1976), with P. Mieszkowski and Y. Sauvageau. Economic Council of Canada.

Publications (Book Chapters)

- “On the spatial distribution of development. The roles of nature and history,” with Storeygard, Squires and Weil, in *The Long Economic and Political Shadow of History Volume I: A Global View*, a VoxEU.org book, S. Michalopoulos and E. Papaioannou (eds), London: CEPR, 2017.
- “The Geography of development within Countries,” with K. Desmet, in *Handbook of Urban and Regional Economics*. G. Duranton, J.V.Henderson. W. Strange (eds), North Holland. 2015.
- “Urbanization and the geography of development in countries,” in *Rethinking Cities*, E. Glaeser and A. Ajoshighani (eds.), Oxford University Press, 2014.
- “Evaluating China’s Urbanization Experience and Prospects,” in *Globalization and the Rural-Urban Divide*, M. Gopinath and H. Kim (eds.), Seoul National University Press, 2009.
- “The Rural-Urban Divide,” in *Globalization and the Rural-Urban Divide*, M. Gopinath and H. Kim (eds.), Seoul National University Press, 2009.
- “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.
- "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*, T. Rawski and L. Brandt (eds.), Cambridge University, 2008.
- "Growth of China's Medium Size Cities," in *Brookings-Wharton Papers on Urban Affairs*, 2005, G. Burtless and JR. Pack (eds), Brookings Institution Press.
- "Urbanization and Growth," *Handbook of Economic Growth*, P. Aghion and S. Durlauf (eds.), North Holland, 2005.
- "The Spatial Distribution of Economic Activities in Japan and China," with M. Fujita, Y. Kanemoto, T. Mori, in *Handbook of Urban and Regional Economics*, J.V. Henderson and J-F Thisse (eds), North Holland. 2004.
- "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.
- "Costs of Air Quality Regulation," with R. Becker, in *Distributional and Behavioral Effects of Environmental Policy: Evidence and Controversies*, C. Carraro and G. Metcalf (eds.), NBER (through University of Chicago Press), 2001.
- "Urban Scale Economies," in *Sage Handbook of Urban Studies*, R. Paddison (ed.), 2001.
- "Intra Industry Specialization and Urban Development," with R. Becker, in *The Economics of Cities*, J-M Huriot and J. Thisse (eds.), Cambridge University Press, 2000.
- "Geographics of Smog," *Perspectives: The Cato Review of Business and Government*, 1998, 21, 11-13.
- "Comment on Krugman's Urban Concentration," *Japan and the World Economy*, 1996.
- "Comment on 'Urban Concentration' by Krugman," *Annual Conference on Development Economics*, 1994, World Bank, 1995, 270-274.
- "The Impact of a Mexico-US Free Trade Agreement on Industrial Location," in *A North American Free Trade Agreement*, P. Garber (ed.), MIT Press, 1993.
- "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.
- "Aspects of Urban Concentration in Brazil," in *The Economics of Urbanization*, G. Tolley and V. Thomas (eds.), Johns Hopkins Press, 1987.
- "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.
- "Industrialization and Urbanization, International Experience," in *National Research Council, Population Growth and Economic Development: Background Papers*, Washington: National Academy Press, 1986.
- "Theories of Group, Jurisdiction and City Size," *Current Issues in Urban Economics*, P. Mieszkowski and M. Straszheim (eds.), Johns Hopkins Press (1979).

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

World Bank and UE Commission Publications

[Demographic and health outcomes by degree of urbanization](#) (2020). J.V. Henderson. V. Liu. C, Peng and A. Storeygard, EU Publications

[Africa's Cities: Opening Doors to the World](#) (2017). S.V. Lall, J.V. Henderson and A.J. Venables, Washington, DC: World Bank.

"Examining the growth patterns of Brazilian cities," with D. Da Mata, U. Deichmann S.V. Lall and H.G. Wang, Policy, Research working paper ; no. WPS 3724. Washington, DC: World Bank, 2005.

"Urban and Regional Dynamics in Poland," with U. Deichmann, Policy Research Working Paper; No. 2457. World Bank, Washington, DC. 2000.

"International experience in urbanization and its relevance for China," Staff working paper; no. SWP 758. Washington, DC: World Bank, 1986.

Publications (Refereed Journal Articles)

["Building the City: from Slums to the Modern Metropolis,"](#) with T. Regan and A. Venables, *Review of Economic Studies*, forthcoming

["Ethnolinguistic Diversity and Urban Agglomeration"](#) with U. Eberle, D. Rohner, and K. Schmidheiny, *Proceedings of the National Academy of Sciences*, forthcoming

["Urbanization in the Developing World: Too Early or Too Slow?"](#) with M. Turner, *Journal of Economic Perspectives*, forthcoming

["Measuring Urban Economic Density"](#) (with S. Kriticos and D. Nigmatulina) *Journal of Urban Economics*, forthcoming

["Does Investment in National Highways Help or Hurt Hinterland City Growth"](#) (with N. Baum-Snow. M. Turner, Q. Zhang and L. Brandt) *Journal of Urban Economics*, 2020, 115.

["The Development of the Africa System of Cities,"](#) with Sebastian Kriticos, *Annual Review of Economics*, 2018, 10, pp. 287–314

["The Global Distribution of Economic Activity: Nature, History, and the Role of Trade."](#) with T. Squires, A. Storeygard and D. Weil, *Quarterly Journal of Economics*, 2018, 133, 1, 357-406.

["Urban economics for the developing World: An introduction,"](#) with E. Glaeser, *Journal of Urban Economics*, 2017, 98, 1-5.

["Roads, Railways and Decentralization of Chinese Cities,"](#) with N. Baum-Snow, L. Brandt, M. Turner, and Q. Zhang, *The Review of Economics and Statistics*, 2017, 99, 3, 435–448.

["Has climate change promoted urbanization in Sub-Saharan Africa,"](#) with A. Storeygard and U. Deichmann, *Journal of Development Economics*, 2017, 124, 60-82.

[“Volunteerism after the Tsunami: The Effects of Democratization,”](#) with T. Freire and A. Kuncoro), *World Bank Economic Review*, 2017, 31: 176-195.

[“Political favoritism in China’s capital markets and its effect on city sizes,”](#) with Y. Chen and W. Cai, *Journal of Urban Economics*, 2017, 98, 69-87.

[“Building Functional Cities,”](#), *Science*, 2016, 352 (6288), 946-47.

[“Organization of Disaster Aid Delivery: Spending Your Donations,”](#) with Y. Lee, *Economic Development and Cultural Change*, 2015, 63, 617-664.

[“China’s Land Market Auctions: Evidence of Corruption?”](#) with H. Cai and O. Zhang, *Rand Journal of Economics*, Fall 2013.

[“Measuring Economic Growth from Outer Space,”](#) with A. Storeygard and D. Weil, *American Economic Review*, 2012, 102, 994-1028.

[“Exclusionary Policies in Urban Development,”](#) with Leo Feler, *Journal of Urban Economics*, 2011, 69, 253-272.

[“Corruption and Local Democratization in Indonesia: The Role of Islamic Parties,”](#) with Ari Kuncoro, *Journal of Development Economics*, 2011, 94, 164-180.

[“Cities and Development,”](#) *Journal of Regional Science*, 2010, 50, 515-540.

[“The Dynamics of City Formation”](#), with T. Venables, *Review of Economic Dynamics*, 2009, 12, 233-254.

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

[“Networking Off Madison Avenue,”](#) with M. Arzaghi, *Review of Economic Studies*, 2008, 75, 1011-1038.

[“Where Do Manufacturers Locate Their Headquarters,”](#) with Y. Ono, *Journal of Urban Economics*, 2008, 38, 480-494.

[“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.

[“Urbanization and City Growth: the Role of Institutions,”](#) with H.G. Wang, *Regional Science and Urban Economics*, 2007, 37, 283-313.

[“Understanding Knowledge Spillovers,”](#) *Regional Science and Urban Economics*, 2007, 37, 497-508.

[“Spatial Organization of Firms,”](#) with K. Aarland, J. Davis and Y. Ono, *Rand Journal of Economics*, 2007, 38, 480-494.

[“Are Chinese Cities Too Small,”](#) with C.C. Au, *Review of Economic Studies*, 2006, 73, 549-576.

[“How Migration Restrictions Limit Agglomeration and Productivity in China,”](#) with C.C. Au, *Journal of Economic Development*, 2006, 80, 350-388.

[“Aspects of the Rural-Urban Transformation of Countries,”](#) with H.G. Wang, *Journal of Economic Geography*, 2005.

[“Why Countries Are Fiscally Decentralizing,”](#) with Mohammad Arzaghi, *Journal Of Public Economics*, 2005, 89, 1157-1199.

“Urban Evolution in the USA,” with Duncan Black, *Journal of Economic Geography*, 2003, 3, 343-372.

“Evidence on the Political Economy of the Urbanization Process,” with James Davis, *Journal of Urban Economics*, 2003, 53, 98-125.

“The Urbanization Process and Economic Growth: The So-What Question,” *Journal of Economic Growth*, 2003, 8, 47-71.

“Marshall's Scale Economies,” *Journal of Urban Economics*, 2003, 53, 1-28.

“Urbanization and Economic Development,” *Annals of Economics and Finance*, 2003, 4, 275-341.

“Urban Primacy, External Costs, and Quality of Life,” *Resource and Energy Economics*, 2002, 24, 95-106.

"On Strategic Community Development," with J-F Thisse, *Journal of Political Economy*, 2001, 109, 546-569.

"Geography and Development," with Z. Shalizi and A. Venables, *Journal of Economic Geography*, 2001, 1, 81-106.

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

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

"Effects of Air Quality Regulations on Polluting Industries," with R. 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, 2001.

“Overcoming the Adverse Effects of Geography: Infrastructure, Health, and Agricultural Policies,” *International Regional Science Review*, 1999, 22, 2, 233-237.

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

"The Spatial Evolution of the Computer Industry in the USA," with M. Beardsell, *European Economic Review*, 1999.

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

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

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

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

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

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

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

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

"Ways to Think about Urban Concentration: Neoclassical Urban Systems versus the New Economic Geography," *International Regional Science Review*, 1996, 19, 1-2, 31-36.

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

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

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

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

"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.

"Peak-Shifting and Cost-Benefit Miscalculations," *Regional Science and Urban Economics*, 1992, 22, 103-122.

"Urban Diversity and Fiscal Decentralization," with H. Abdel-Rahman, *Regional Science and Urban Economics*, 1991, 21, 491-510.

"Optimal Regulation of Land Use Through Price and Fiscal Controls," *Journal of Urban Economics*, 1991, 30, 64-82.

"Separating Tiebout Equilibrium," *Journal of Urban Economics*, 1991, 29, 128-152.

"Implicit Contracts and Reputation in Land Development Markets," with T. Miceli, *Journal of Urban Economics*, 1989, 26, 386-408.

"Dynamic Aspects of Consumer Decisions in Housing Markets," with Y. Ioannides, *Journal of Urban Economics*, 1989, 26, 212-230.

"Locational Centralization of State Owned Industries," *Journal of Policy Modeling*, November 1987.

"Owner-Occupancy: Consumption vs. Investment Demand," with Y. Ioannides, *Journal of Urban Economics*, 1987, 21, 228-241.

"The Timing of Regional Development," *Journal of Development Economics*, 1986, 23, 275-292.

"Tenure Choice and the Demand for Housing," with Y. Ioannides, *Economica*, 1986, 53, 231-246.

"Urbanization in a Developing Country: City Size and Population Composition," *Journal of Development Economics*, 1986, 22, 269-293.

- "Efficiency of Resources Usage and City Size," *Journal of Urban Economics*, 1986, 19, 47-70.
- "Population Composition of Cities: Restructuring the Tiebout Model," *Journal of Public Economics*, 1985, 27, 131-156.
- "Property Tax Incidence: Exemptions and Perceptions," *Journal of Political Economy*, 1985, 93, 648-665.
- "The Tiebout Model: Bring Back the Entrepreneurs," *Journal of Political Economy*, 1985, 93, 248-264.
- "The Impact of Zoning Policies Which Regulate Housing Consumption," *Journal of Urban Economics*, 1985, 18, 302-312.
- "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 Government Policies on Urban Concentration," *Journal of Urban Economics*, 1982, 12, 280-303.
- "Systems of Cities in Closed and Open Economies," *Regional Science and Urban Economics*, 1982, 12, 325-350. Reprinted in *Regional Policy and Regional Integration*, N. Hansen (ed.), Edward Elgar Publishing Ltd., 1996.
- "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.
- "Aspects of Growth in a System of Cities," with Y. Ioannides, *Journal of Urban Economics*, 1981, 10, 117-139.
- "The Economics of Staggered Work Hours," *Journal of Urban Economics*, 1981, 9, 349-364.
- "Community Development: The Effects of Growth and Uncertainty," *American Economic Review*, 1980, 70, 894-910.
- "Exploitation of the Lobster Fishery: Some Empirical Results," with M. Tugwell, *Journal of Environmental Economic and Management*, 1979, 6, 287-296. Reprinted in *Environmental Decision Making*, Y.J. Ahmad, P. Dasgupta, K-G Maler (eds.), Vol. 2, United Nations Environmental Program, London: Hodder and Stoughton.
- "Comment on Internalizing Pollution Externalities," *Journal of Urban Economics*, 1979, 6, 405-6.
- "Peer Group Effects and Education," *Journal of Public Economics*, 1978, 10, 97-106.
- "Externalities in a Spatial Context," *Journal of Public Economics*, 1977, 7, 89-110.
- "Congestion and Optimum City Size," *Journal of Urban Economics*, 1975, 2, 48-62.
- "A Note on the Economics of Public Intermediate Inputs," *Economica*, 1974, 41, 322-327.
- "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.
- "Road Congestion: A Reconsideration of Pricing Theory," *Journal of Urban Economics*, 1974, 1,

346-365.

"Public Goods, Efficiency, and Regional Fiscal Equalization," with F. Flatters and P. Mieszkowski, *Journal of Public Economics*, (1974), 3, 99-112. Reprinted in *The Economics of Federalism*, B.G. Brewal, et al., (eds.), Canberra: Australian National University Press, 1980; and in *The Economics of Federalism*, J-F Thisse (ed.), Edward Elgar Publishing Ltd., United Kingdom, 1996.

"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 *Urban Growth Policy in a Market Economy*, J. Gardner, P. Graves, and G. Tolley (eds.), New York: Academic Press, 1979.

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

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

Papers and Proceedings

["Colonial Legacies: Shaping African Cities."](#) with N.G. Baruah and C. Peng, SERC/Urban and Spatial Programme Discussion Paper, 2017.

["Building the city: urban transition and institutional frictions."](#) with T. Regan and A.J. Venables, University of Oxford, Economics WP#891.

"A Bright Idea for Measuring Economic Growth," with A. Storeygard and D. Weil, *American Economic Association Papers and Proceedings*, May 2011.

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

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

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

Working Papers

See <https://urbanisation.econ.ox.ac.uk/principal-investigator/vernon-henderson>

Some Additional Writing

["The prospects for manufacturing led growth in Sub-Saharan Africa"](#) with S. Kriticos IGC Growth Brief | CITIES | October 2019

["Productivity and urban form"](#) With S. Kriticos and T. Regan, LSE Cities, *Developing Urban Futures*, 2018

["Does Investment in National Highways Help or Hurt Hinterland City Growth?"](#) with N. Baum-

Snow, M.A. Turner, O. Zhang, L. Brandt, *Urbanisation in Developing Countries* – University of Oxford and the London School of Economics and Political Science, 2017.

“The roles of nature and history in world development,” with T. Squires, A. Storeygard and D. Weil, *CentrePiece-The Magazine for Economic Performance*, Centre for Economic Performance, LSE, 2017.

“[The Development of City Systems in Africa](#),” with S. Kriticos, , *Urbanisation in Developing Countries* – University of Oxford and the London School of Economics and Political Science 2 Oct. 2017 (blog).

“[On the Spatial Distribution of Development. The Roles of Nature and History](#),” with T. Squires, A. Storeygard and D. Weil, *Urbanisation in Developing Countries* – University of Oxford and the London School of Economics and Political Science, 31 Jan. 2017 (blog).

"In brief: Investing in roads," with N. Baum-Snow, L. Brandt, M.A. Turner and Q. Zhang, *CentrePiece - The Magazine for Economic Performance*, 483, Centre for Economic Performance, LSE, 2016.

“When models fall short: Evidence from Chinese road infrastructure investments,” with N. Baum-Snow, M.A. Turner, Q. Zhang and L. Brandt, *International Growth Centre Blog*, 11 July 2016 (blog).

“Highways, market access, and urban growth in China,” with N. Baum-Snow, L. Brandt, M.A. Turner and Q. Zhang, International Growth Centre, University of Oxford and the London School of Economics and Political Science, C-89114-CHN-1, 2016.

Fellowships and Honors

2004	Fellow of Regional Science Association International
2004	Leverhulme Foundation
1986	Earhart Foundation
1984-85	John Simon Guggenheim Memorial Foundation

Grants and Research Contracts

2018-2020	European Union, to study rural—urban amenity differentials in developing countries
2014-2018	World Bank (LSE joint with Oxford), to study urbanization globally with specific reference to Africa
2011-2013	World Bank, to study urbanization in Sub-Saharan Africa
2010-2012; 2014-2016	International Growth Center (joint with), to study land use, transportation and growth in cities in China with N. Baum-Snow, L. Brandt, M. Turner, and Q. Zhang.
2008-2013	National Institute of Health, to study recovery from the tsunami in Aceh,

	Indonesia
2004-2008	National Science Foundation, to study corruption in Java, Indonesia and recovery from the Tsunami in Aceh, Indonesia.
2001-2003	World Bank, to study urbanization and city growth worldwide and in China.
2001-2004	National Science Foundation, to study productivity, out-sourcing, and location decisions in the service sector.
1998-2001	World Bank, to study effects of urbanization and urban primacy on national economic growth.
1998-2001	National Science Foundation, to research determinants of spatial evolution of cities and industries and to study industrial productivity.
1996-1997	Asian Development Bank, to examine urbanization in Asia.8.
1995-1998	National Science Foundation, to examine determinants of productivity and to study firm decisions under air quality regulation.
1993-1995	National Science Foundation, to research the relationship between industrial composition and urban air quality and to examine the determinants of urban productivity.
1991-	World Bank, to study impacts of US-Mexico FTA on industrial location in USA.
1986-1988	National Science Foundation, to research aspects of contractual arrangements in land markets.
1984-1986	National Science Foundation, to research aspects of the Tiebout model.
1983-1984	World Bank, to study urban development in China.
1982-1984	National Science Foundation, to research (with Y. Ioannides) housing tenure choice and consumption. Refunded for 1984-1985.
1981-1983	National Science Foundation, to undertake an empirical investigation of the production and city size relationships in the system of cities in the U.S.A.
1979-1982	World Bank, to study urban development in South and Southeast Brazil.
1979-1980	National Science Foundation, to research the economics of systems of cities.

Editorial Responsibilities

2012-2019	Co-Editor, <i>Journal of Urban Economics</i>
2006- Present	Board member, <i>Spatial Economic Analysis</i>
2001-Present	Board member, <i>Journal of Economic Geography</i>
1994-Present	Board member, <i>Journal of Economic Growth</i>
1983-Present	Board member, <i>Regional Science and Urban Economics</i>

1978-Present Board member, *Journal of Urban Economics*

Advisory Board Memberships

2007-2008 Advisory Committee for 2008 *World Development Report*
2009-2013 Spatial Economics Research Center at LSE
2009-2012 Peking University-IEPR
2009-2012 Peking University-Lincoln Land Institute Center

Additional Service to the Profession

2017- 2020 Advising EU-OECD on material for manuscript on urbanization.
2009 Graduate program review committee, University of Toronto
2008-2013 President of the Urban Economics Association
2007-2008 President of the North American division of the Regional Science Association International
1998-1999 Team member, *World Development Report 1999-00*
1998-1999 Member of AEA Program committee for papers and proceedings
1998-1999 Member of AEA Nominating Committee
1997- 2006 Member of the Board for the U.S. Census Bureau's Boston Research Data Center
1995-1997 Member of Economics Panel for National Science Foundation