

ALEX ANAS

CURRICULUM VITAE

OFFICE

Department of Economics
University at Buffalo
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[Alex Anas - Google Scholar](#)

DEGREES

Ph.D. University of Pennsylvania, 1975
M.C.P. University of Pennsylvania, 1974
M.A. University of Pennsylvania, 1974
B.S. and B.A. Carnegie-Mellon University, 1972.

FIELDS OF INTEREST

Applied microeconomic theory
Urban and land economics
Housing economics
Real estate markets and regulation
Transportation economics
Computable general equilibrium models of urban economies, land use and transportation
Environmental impacts of urban growth and form

PROFESSIONAL AFFILIATIONS

American Economics Association
American Real Estate and Urban Economics Association
International Transportation Economics Association
Regional Science Association International
American Environmental and Resource Economics Association

ACADEMIC POSITIONS

Visiting Professor, Center for Real Estate Economics, Massachusetts Institute of Technology, Cambridge, Massachusetts, September 1, 2024 – January 20, 2025.

Visiting Research Scholar, Department of Spatial Economics, School of Business, Vrije University, Amsterdam, The Netherlands, September 2023 – August 2024.

Frank H. and Josephine L. Goodyear Professor, 1991-1999, 2017-2023

Chair, Department of Economics, University at Buffalo, August 2017 – September 2023.

Affiliated faculty, Stephen Still Institute for Sustainable transportation and Logistics School of Engineering and Applied Sciences, University at Buffalo, 2020 - present

Visiting Research Economist, University of California at Riverside, Center for Sustainable Suburban Development, Riverside, California (summers 2010-2015).

Visiting Professor, University of Southern California, School of Policy and Urban Development. Summer, 1995.

Professor, Department of Economics, University at Buffalo, State University of New York, 1991-present.

Professor Department of Economics, College of Arts and Sciences, Northwestern University, September, 1985 - August, 1991.

Professor, Departments of Civil Engineering (*Program in Urban and Regional Planning*) and Industrial Engineering/Management Sciences, McCormick School of Engineering and Applied Science, Northwestern University, September, 1985 - August, 1991.

Chairman, Council on Urban and Regional Planning and *Director* of the Interdepartmental Graduate Program in Urban Systems and Policy Planning, Northwestern University, September 1983-August, 1991.

Senior Research Fellow, Northwestern Community Urban Economic Development Institute, Evanston, Illinois, September, 1987- August, 1991.

Visiting Scholar, Istituto Richerche Economico-Sociali del Piemonte, Torino, Italy, 1985.

Member, Urban Studies Advisory Committee, College of Arts and Sciences, Northwestern University, September 1984 - August 1990.

Research Scholar. National Center for Supercomputing Applications. University of Illinois at Urbana- Champaign. 1986-1988.

Visiting Professor, Departments of Economics and Urban and Regional Planning, University of

Illinois at Urbana-Champaign, September, 1986-August, 1988.

Visiting Scholar and Guest Researcher, Stockholm Regional Planning Office and Research Group in Urban and Regional Planning & Department of Mathematics, Royal Institute of Technology, Stockholm, Sweden. August-September 1983, September 1985, July 1986.

Visiting Scholar, Center for Regional Science Research, Umea University, Umea, Sweden. June-July, 1984.

Visiting Associate Professor of Infrastructure Planning and Management, Department of Civil Engineering, Stanford University, July 1981- August 1982.

Associate Professor, Department of Civil Engineering (*Program in Urban and Regional Planning*), Northwestern University 1979-1985.

Assistant Professor, Department of Civil Engineering (*Program in Urban and Regional Planning*), Northwestern University, September 1975 - August 1979.

AWARDS AND HONORS

Richard J. Arnott Overall Best Paper Prize for the paper “*Downs’s Law Under the Lens of Theory: Roads Lower Congestion and Increase Distance Traveled*,” awarded by the Scientific Committee of the International Transportation Economics Association’s Annual School and Conference 2023, held in Santander, Spain, from June 12 -16, 2023.

Frank H. and Josephine L. Goodyear Professorship, State University of New York at Buffalo, 2017 – 2023.

2016 Walter Isard Award for distinguished scholarly achievement. North American Regional Science Council, November 11, 2016. [Alex Anas - 2016 Walter Isard Award \(google.com\)](#)

David E. Lincoln Fellowship in Land Taxation from the Lincoln Institute of Land Policy (January 2014 – December 2015)

Fellow of the Weimer School of Advanced Studies in Real Estate and Urban Economics, North Palm Beach, Florida (inducted January 2009).

The subject field of urban and regional economics was ranked as the top subject field in economics at the University at Buffalo and 15th in the nation: “*A Guide to Graduate Study in Economics: Ranking Economics Departments by Fields of Expertise*”, Therese C. Grijalva and Clifford Nowell, *Southern Economic Journal*, 74(4), 971–996, 2008.

Fellow of the Regional Science Association International. A “*high honor in recognition of distinguished scholarship in, and contribution to Regional Science*” (inducted August 2006).

David E. Lincoln Fellowship, Lincoln Institute for Land Policy, 2001.

Lusk Center Summer Research Fellowship, University of Southern California, 1995.

Frank H. and Josephine L. Goodyear Professorship, State University of New York at Buffalo, 1991 – 1999.

United Parcel Service Research Development Grant, Stanford University, 1981-1982.

Visiting Associate Professor, Infrastructure Planning and Management, Stanford University, 1981-1982.

EDITORIAL BOARDS and SCIENTIFIC COMMITTEES

Scientific Committee, International Transportation Economics Association, 2024-present

The Economics of Transportation, 2011-present

Journal of Housing Economics, 1991-present

Journal of Urban Economics, 1988-2019

Journal of the American Real Estate and Urban Economics Association, 1991-1993

Journal of Regional Science, Associate Editor, 1986-present

Regional Science and Urban Economics, 1986-2018

International Regional Science Review, 1979-1984

REVIEWING

The National Science Foundation, The Public Policy Institute of California, Department of Housing and Urban Development, Prentice-Hall Inc., The Ohio State University, American Economic Review, Quarterly Journal of Economics, Journal of Political Economy, Econometrica, Review of Economics and Statistics, Journal of Public Economics, Journal of Economic Behavior and Organization, Journal of Urban Economics, Journal of Regional Science, Regional Science and Urban Economics, Urban Studies, Geographical Analysis, Journal of Economic Geography, Environment and Planning A, Transportation Research B, Transportation Science, China Economic Review, Journal of Public Economics, Ecological Economics, Geographical Analysis, Transportation Research A, Economics of Transportation, Oxford Research Encyclopedia of Economics and Finance, Networks and Spatial Economics, University at Buffalo RENEW Institute, New York University, Israel National Science Foundation, Research in Transportation Economics.

ACADEMIC EVALUATION COMMITTEES

Microeconomics preliminary examination committee (since 1992, twice per year)

Urban and regional economics field examination (since 1992 as needed)

Public economics field examination (since 2005, as needed)

UNIVERSITY SERVICE

Environmental Stewardship, Subcommittee on Research, Teaching and Public Service (2008-2013)

College of Arts and Sciences Dean's Policy Committee (*ad interim* appointment from July 1, 2010 through June 30, 2011)

Faculty Senate (appointed from July 1, 2011 through June 30, 2016)

Faculty Senate Executive Committee (elected for September 1, 2014 - August 31, 2016)

Search committee for staff economist in Research and Education in Environment, Energy and Water, 2016.

Search committee for two positions in Transportation Engineering, Department of Civil and Environmental Engineering, School of Engineering and Applied Sciences, 2017-2018.

Ex-officio member on search committee for tenure-track faculty positions in Economics, 2017-2023.

Ex-officio member on search committee for clinical assistant professors in Economics, 2017-2023.

COURSES TAUGHT

Undergraduate: Principles of microeconomics; Intermediate microeconomics; Urban and regional economics, Topics in microeconomics.

Undergraduate at Singapore Institute of Management: Intermediate microeconomics; Urban and regional economics; Topics in microeconomics; Public economics; Intermediate macroeconomics.

Applied M.A.-M.S. in economics: Topics in microeconomics; Urban and regional economics.

Ph.D. economics: Microeconomic Theory I; Urban and Regional Economics; Public Finance and Fiscal Policy, Computational analysis of economic models; Microeconomic Theory II.

KEYNOTE ADDRESSES, INVITED LECTURES, SEMINARS, WEBINARS (since 2006)

Webinars

New York University, Tandon School of Engineering. Congestion Pricing in New York City

Webinar Series: Anticipating the effects of NYC congestion pricing: insights from the counterfactual modeling of congestion pricing in Chicago, May 5, 2025.

<https://www.youtube.com/watch?v=GRYJL01UayY>

University of Texas at Austin, Cockrell School of Engineering. TBD+ Seminar Series: Downs Law Revisited: How and why expanding roadways reduces congestion. March 3, 2025.

<https://www.youtube.com/watch?v=quv-ycgtmWw&t=88s&pp=ygUJYWxleCBhbmFz>

Invited Lectures

“Pigouvian Pricing and the Henry George Theorem in the Presence of Distortionary Taxation,” Center for Real Estate, Massachusetts Institute of Technology, October 24, 2024.

“Pigouvian Pricing and the Henry George Theorem in the Presence of Distortionary Taxation,” Eureka Seminar, Department of Spatial Economics, Vrije Universiteit, Amsterdam, The Netherlands, November 16, 2023.

“Downs’s Law” under the lens of theory: Roads lower congestion and increase distance traveled. International Transportation Economics Association Seminar, *Presentation by Zoom*, September 26, 2023.

“Roundtable on Congestion Control Experience and Recommendations.” International Transport Forum. September 21-23, 2020. Organization of Economic Cooperation and Development, Paris, *Invited participant. (Roundtable held remotely)*.

“Productivity benefits of urban transportation megaprojects: a general equilibrium analysis of «Projet du Grand Paris»,” Applied Urban Modeling Conference, The Martin Centre for Architectural and Urban Studies, University of Cambridge, United Kingdom, November 12, 2020. *(Presentation delivered remotely)*.

“The accessibility improvement and productivity effects of megaprojects: a general equilibrium cost-benefit analysis of Projet du Grand Paris,” Railway and Transport Strategy Centre, Imperial College London, March 20, 2019.

“The accessibility improvement and productivity effects of megaprojects: a general equilibrium cost-benefit analysis of Projet du Grand Paris,” Environment Directorate, Organization of Economic Cooperation and Development, Paris, March 22, 2019.

“Urban Logistics”, 10th Bi-annual postal Economics Conference on E-commerce, Digital Economy and Delivery Services, Toulouse School of Economics, Toulouse, France. March 29 2018.

“How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris Project” LUTS - Urban Transport Systems Laboratory, Ecole Federale Polytechnique de Lausanne, June 27, 2018.

“The Effects of Pricing and of Infrastructure Expansion in Alleviating Urban Traffic

Congestion,” Dongbei University of Finance and Economics, Dalian, Peoples’ Republic of China, May 23 2018.

“Numerical solution of general equilibrium models of urban transportation and land use: *decomposition* versus *all-in-one* approaches,” 5th Applied Urban Modeling Conference, Cambridge University, Cambridge, United Kingdom. June 24-26, 2017.

“Congestion and Metropolitan Development”, Presentation at the Hamburg Institute for International Economics, Hamburg, Germany, May 14, 2013.

“What do Chicago, Paris and Los Angeles have in common?” Public Lecture at the New Economic School, Moscow, Russian Federation, February 18, 2013.

<https://www.youtube.com/watch?v=8gusipxlliU>

“Congestion and Metropolitan Development”, Keynote speech at the seventh international conference on “Economy and Geography”, Leontief Center, St. Petersburg, Russia, February 14-16, 2013.

“Urban CGE Models: The Interaction of Travel, Housing and Labor Markets,” at the Center for Energy Policy and Economics (CEPE) Institute for Transport Planning and Systems, (IVT) Chair for Information Architecture (IA), Swiss Federal Institute of Technology, Zurich, Switzerland, March 18, 2011.

“Transport Supply and Finance in an Urban Economy,” at the Center for Energy Policy and Economics (CEPE) Institute for Transport Planning and Systems, (IVT) Chair for Information Architecture (IA), Swiss Federal Institute of Technology, Zurich, Switzerland, March 17, 2011.

“Road Pricing and Urban Structure,” at the 5th *Kuhmo-Nectar Conference on Transport Economics and Summer School 2010: Inaugural Meeting of the International Transport Economics Association*, Fundació Universitat-Empresa (ADEIT), Valencia, Spain 8-12 July, 2010.

“Sprawl, Infrastructure Lock-ins and Transit Oriented Development: What have we learned from urban economics?” Keynote Address at the Workshop on Urban Dynamics: Urbanics, Sponsored by the Instituto Milenio Sistemas Complejos de Ingeniería, Marbella, Chile, March 22-25, 2010.

“General Equilibrium Models of Transportation and Urban Land Use,” at the 4th *Kuhmo-Nectar Summer School and Conference on Transport and Urban Economics*, Technical University of Denmark, Copenhagen, Denmark, June 29-July 3 2009.

“General Equilibrium Models of Transportation and Urban Land Use,” Lecture at the 3rd *Kuhmo-Nectar Summer School and Conference on Transport and Urban Economics*, VU University, The Tinbergen Institute, Amsterdam, The Netherlands, June 30 - July 4 2008.

“Overlapping Generations, General Equilibrium Models of Housing Markets and Housing

Finance,” at The Weimer School of Advanced Studies in Real Estate and Land Economics, North Palm Beach Florida, January 17, 2008.

“The Economics of Traffic and Urban Sprawl,” Lecture at the 2nd Kuhmo-Nectar Summer School on Transport: Networks and Urban Interactions, University of Urbino, Urbino, Italy, July 9-10 2007.

“General Equilibrium Models of Transportation and Urban Land Use,” Lecture at the 2nd *Kuhmo-Nectar Summer School and Conference on Transport: Networks and Urban Interactions*, University of Urbino, Urbino, Italy, July 9-10 2007.

“New Results in the Theory of Urban Sprawl”, *Keynote Address at the International Conference on Urban and Regional Economics*, National Taipei University, Taipei, Taiwan, December 3, 2007.

“Unified Economic Models of Transportation and Urban Development”, at the 46th *Congress of the European Regional Science Association*, Volos, Greece, August 31, 2006.

“Unified Models of Transportation and Urban form: Insights from RELU-TRAN and Related Research,” at the *Workshop on Sustainable Cities and Transport*, Universita de Chile, Santiago de Chile, August 7-11, 2006.

GRANTS AND RESEARCH AWARDS

From the National Science Foundation:

National Science Foundation, Smart and Connected Communities – IRG, Track 2, 2017: “Towards Quality Aware Crowdsourced Road Sensing for Smart Cities.” (\$1,000,000). September 2017 – August 2020. (Co-principal investigator; with Lu Su project director).

National Science Foundation, Urban Research Initiative competition, 1998: “Infrastructure and Metropolitan Development.” (\$ 450,000). January 1999 – November 2006. (Project Director and principal investigator).

National Science Foundation, Office of Advanced Scientific Computing: "CPU Hours Engineering Supercomputer Initiation Grant for Computational Research on Large Scale, Unified Urban Location, Land Use and Travel Models". October, 1985 - 1991. (Sole principal investigator).

National Science Foundation: "Dynamic Modeling of the Regulated Housing Market: Policy Simulations with the Stockholm Prototype" (\$45,000). September, 1985 - January, 1988. (Sole principal investigator).

National Science Foundation: "Cooperative Research Methods for Urban Systems Management" (\$8,700). February, 1984 - January, 1986.

National Science Foundation: "Modeling of the Regulated Housing Market: Analysis of Swedish

Rent Control Policies" (\$45,000). September, 1984 - September, 1985. (Sole principal investigator).

National Science Foundation: "Development and Empirical Testing of Disequilibrium Models of Real Estate Price Adjustment" (\$52,178). September 1980 - December 1982. (Sole principal investigator).

National Science Foundation: "Empirical Estimation of a Probabilistic Residential Location Model and Application to Value Capture/Joint Development Policies" (\$49,929). September 1978 - August 1980. (Sole principal investigator).

National Science Foundation: "Analytical Evaluation of Value Capture/ Joint Development Strategies for the Location and Financing of Public Facilities" (\$43,000). September 1977 - August 1978. (Sole principal investigator).

National Science Foundation, Research Applied to National Needs Division: "Prediction of Urban Recreation Demand" (\$166,000). September 1976 -August 1978. (Co-principal investigator with George L. Peterson)

From the United States Department of Transportation and other transportation agencies:

Federal Transit Administration, through the Regional Plan Association, New York "Development of an Operational Equilibrium Model to Predict the Effects of Transportation Improvements on Property Values in the New York Area" (\$ 80,000). September 1, 1990-August 31, 1991. (Sole Principal Investigator).

United States Department of Transportation, University Research Program: "The Effects of Transportation on the Tax Base and Development of Cities" (\$166,300). September 1979 December 1982. (Sole principal investigator).

From the Department of Housing and Urban Development:

Department of Housing and Urban Development: "A Comprehensive Housing-Land Use Model for Evaluating Housing Rehabilitation Programs" (\$ 135,000). September, 1987 - January, 1989. (With Richard J. Arnott).

From the Fannie Mae Foundation:

Federal National Mortgage Association: "Longitudinal Calibration and Testing of the Chicago Prototype Housing Market Model" (\$ 110,000). February 1990 – December, 1991. (With Richard J. Arnott)

From the Lincoln Institute for Land Policy:

"The Effects of Land Value Taxation in Los Angeles and Paris in a Computable General

Equilibrium Model”, A David C. Lincoln Fellowship in Land Value Taxation, (\$ 60,000) February 2014 – December 31, 2015.

"Application of a Dynamic Urban Simulation Model to Evaluate Land Value Taxation." (\$ 37,000). December, 2000 -- December, 2003. (Sole Principal Investigator.)

From the United States Environmental Protection Agency:

“A Long Term Integrated Framework Linking Urban Development, Demographic Trends and Technology Changes to Stationary and Mobile Source Emissions.” Science to Achieve Results Program (\$ 675,000). December 2004 through October 2010. (Principal Investigator and Project Director)

From the University of California:

“A Virtual Co-laboratory for Policy Analysis in the Greater L.A. Region” (\$ 2.3 million). January 1, 2010 through June 30, 2016. 2009 Multi-campus Research Initiative Project. University of California Office of the President. Project administered at the University of California at Riverside, Center for Sustainable Suburban Development. (Anas author of proposal and scientific director, with Richard Arnott as project director.)

From the Societe du Grand Paris:

“Study of the socioeconomic impacts of the transport network of the Grand Paris project including on the concentration of jobs and population,” January 1, 2012 through May 2015.

PATENT

U.S. Patent US20070162372, Computer based system to generate data for implementing regional and metropolitan economic, land use and transportation planning, June 28, 2011.

PUBLICATIONS (including currently in press)

Books

Anas, Alex, *Modeling in Urban and Regional Economics*, Volume 26 in Fundamentals of Pure and Applied Economics, Jacques Lesourne and Hugo Sonnenschein (editors-in-chief), Harwood Academic Publishers, New York 1987. ISBN 3-7186-0467-1.

(• Reprinted as chapter 26 in Volume 2 of the *Encyclopedia of Pure and Applied Economics: Urban and Regional Economics*, Harwood Academic Publishers, New York, 1997)

Anas, Alex, Goran Cars, Joong-Rae Cho, Bjorn Harsman, Ulf Jirlow, Folke Snickars, *Economics of the Regulated Housing Market: Policy Perspectives and Modeling Methods*. Swedish Council for Building Research, Stockholm, 1987. ISBN 91-540-4777-3.

Anas, Alex, *Residential Location Markets and Urban Transportation: Economic theory, econometrics and policy analysis with discrete choice models*. Academic Press, New York, 1982. ISBN 0-12057920-0.

Special issues of journals edited

Urban Studies, Guest Editor of special issue on *Transportation and Land Use*, 35,7,1998.
Environment and Planning A (Co-Editor of special issue, 1984; with Lewis D. Hopkins)

Major reports

Anas, Alex, Sayan De Sarkar, Govinda Timilsina “The Optimal Mix of Pricing and Infrastructure Expansions to Alleviate Traffic Congestion and In-Bus Crowding in Grand Casablanca” Policy Research Working Paper 8501, Development Research Group, Environment and Energy Team, World Bank Group, Washington, D.C. June 2018.

Anas, Alex, Sayan De Sarkar, Maya Abou Zeid, Govinda Timilsina and Ziad Nakat, “Reducing traffic congestion in Beirut: An analysis of selected policy options,” Policy Research Working Paper 8158, Development Research Group, Environment and Energy Team, World Bank Group, Washington, D.C. August, 2017.

Anas, Alex, Govinda R. Timilsina and Siqi Zheng, *An Analysis of Various Policy Instruments to Reduce Congestion, Fuel Consumption and CO2 Emissions in Beijing*, World Bank Policy Research Working Paper 5068, September, 2009.

Anas, Alex, Govinda R. Timilsina, *Impacts of Policy Instruments to Reduce Congestion and Emissions from Urban Transportation: The Case of São Paulo, Brazil*, World Bank Policy Research Working Paper 5099, September, 2009.

Anas, Alex, Govinda R. Timilsina, *Lock-in Effects of Road Expansion on CO2 Emissions: Results from a Core-Periphery Model of Beijing*, World Bank Policy Research Working Paper 5017, August, 2009.

Metropolitan Planning Council, *The Costs of Road Congestion in the Chicago Metropolitan Area, Final Report*, (chapters 5 and 6 and Appendix, in collaboration with HDR Decision Economics, Inc.), June 11, 2008.

Anas, Alex, *Transit, Access and Land Value: Modeling the Relationship in the New York Metropolitan Area*, U.S. Department of Transportation, Federal Transit Administration, FTA-NY-06-0152-93-1, September 1993.

Anas, Alex and Kyu-Sik Lee, *Manufacturers' Responses to Infrastructure Deficiencies in Nigeria : Private Alternatives and Policy Options*, Report IN'U 98, Infrastructure and Urban Development Department, The World Bank, February 1992.

Anas, Alex, *NYSIM: The New York Area Simulation Model: A Model for the Cost-Benefit Analysis of Transportation Projects*, The Regional Plan Association, New York City, New York, February 1992.

Anas, Alex and Kyu-Sik Lee, *Infrastructure Investment and Productivity: The Case of Nigerian Manufacturing. A Framework for Policy Study*, Report INU 14, Infrastructure and Urban Development Department, The World Bank, May 1988.

Anas, Alex, *The Effects of Transportation on the Tax Base and Development of Cities*, US Department of Transportation, University Research Program, DOT/OST/P-30/85/005, April 1983.

Completed but not yet submitted working papers

2025

Anas, Alex, “Pigouvian pricing and the Henry George Theorem in the presence of distortionary taxation” April 2024. Most recent version available on SSRN: [Pigouvian pricing and the Henry George Theorem in the presence of distortionary taxes by Alex Anas :: SSRN](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5349921)

Anas, Alex, “The paradoxical comparative statics of hypercongestion and traffic flow theory”, June 30, 2025. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5349921

Articles in Refereed Journals:

2024:

Anas, Alex. “Downs’ Law under the lens of theory: Roads reduce congestion and increase distance traveled”. *Journal of Urban Economics*, Volume 139, January 2024, 103607. (SSRN Version available for download: [“Downs’s Law” Under the Lens of Theory: Roads Lower Congestion and Increase Distance Traveled by Alex Anas :: SSRN](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5349921))

- Richard J. Arnott Overall Best Paper Prize awarded by the Scientific Committee of the International Transportation Economics Association’s Annual School and Conference 2023, held in Santander, Spain, from June 12 -16, 2023.

2023:

Anas, Alex and Huibin Chang, “Productivity benefits of urban transportation megaprojects: a general equilibrium analysis of «Grand Paris Express»” *Transportation Research, Part B: Methodological, An International Journal*, vol.174, August 2023,102746. (SSRN version available for download: [Productivity Benefits of Urban Transportation Megaprojects: A General Equilibrium Analysis of Grand Paris Express by Alex Anas, Huibin Chang :: SSRN](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5349921))

2021:

Anas Alex, Sayan De Sarkar and Govinda R. Timilsina, “Bus Rapid Transit versus Road Expansion to Alleviate Congestion: A General Equilibrium Comparison,” *Economics of Transportation*, Vol. 26–27, June–September 2021.

[ANAS DE SARKAR TIMILISINA REVISED.03.15.2021.pdf \(google.com\)](#)

Anas, Alex. “Transportation improvements and property prices,” in *International Encyclopedia of Transportation*, Roger Vickerman (ed.), *Transportation Economics Section*, Maria Börjesson (ed.), May 2021. [2021. ANAS. Transport Improvements and Property Values.pdf \(google.com\)](#)

2020:

Anas, Alex. “The cost of congestion and the benefits of congestion pricing: A general equilibrium analysis.” *Transportation Research, Part B: Methodological, An International Journal*, volume 136, 110-137, June 2020. [2020. ANAS.The Cost of Congestion and the Benefits of Congestion Pricing TR_B.pdf \(google.com\)](#)

2019:

Anas, Alex. "Urban Sprawl and the Control of Land Use." In the Oxford Research Encyclopedia of Economics and Finance. Oxford University Press. July 2019.
<https://doi.org/10.1093/acrefore/9780190625979.013.156>

2015:

Anas, Alex “Why are urban travel times so stable?” *Journal of Regional Science*, 55, 2, 230-261, 2015.

Anas, Alex and Govinda R. Timilsina, “Offsetting the CO₂ locked-in by roads: Suburban transit and core densification as antidotes”, *Economics of Transportation*, 4, 1, 37-49, 2015.

2013:

Anas, Alex and Tomoru Hiramatsu, “The economics of cordon tolling: general equilibrium and welfare analysis,” *Economics of Transportation*, 2, 18-37, 2013.

Anas, Alex and David Pines, “Public goods and congestion in a system of cities: how do fiscal and zoning policies improve efficiency?” *Journal of Economic Geography*, 4, 649-676, 2013.

Anas, Alex “A summary of the applications to date of RELU-TRAN, a microeconomic urban computable general equilibrium model,” *Environment and Planning B: Planning and Design*, 40,6, 959-970, 2013.

2012:

Anas, Alex and Tomoru Hiramatsu, “The effects of the price of gasoline on the urban economy:

from route choice to general equilibrium,” *Transportation Research, Part A: Policy and Practice*, 46, 855-873, 2012.

Anas, Alex “The optimal pricing, finance and supply of urban transportation in general equilibrium: A theoretical exposition,” *Economics of Transportation* 1, 64-76, 2012.

2011:

Alex Anas and Robin Lindsey, “Urban road pricing, public transport and externalities,” *Review of Environmental Economics and Policy*, Symposium issue: Transportation and the Environment, 1-23, 2011.

2008:

Anas, Alex and David Pines, “Anti-sprawl policies in a system of congested cities,” *Regional Science and Urban Economics*, 38, 408-423, 2008.

2007:

Anas, Alex and H-J Rhee, “When are urban growth boundaries not second-best policies to congestion tolls?” *Journal of Urban Economics*, 61, 263-286, 2007.

Anas, Alex, “A unified theory of consumption travel and trip-chaining,” *Journal of Urban Economics*, 62(2), 162-186, 2007.

Anas, Alex and Liu, Yu, “A regional economy, land use and transportation model (RELU-TRAN): formulation, algorithm design and testing,” *Journal of Regional Science*, 47(3), 415-455, 2007.

2006:

Anas, Alex and H-J Rhee, “Curbing urban sprawl with congestion tolls and urban boundaries” *Regional Science and Urban Economics*, 36, 510-541, 2006.

2005:

Anas, Alex and Kai Xiong, “The formation and growth of specialized cities: efficiency without developers or Malthusian Traps,” *Regional Science and Urban Economics*, 35, 4, 445-470, 2005.

2004:

Anas, Alex. “Vanishing cities: what does the New Economic Geography imply about the efficiency of urbanization?”, *Journal of Economic Geography*, 4, 181-199, 2004.

2003:

Anas, Alex and Kai Xiong, "Intercity trade and the industrial diversification of cities", *Journal of Urban Economics*, 54, 258-276, 2003.

2002:

Anas, Alex. "Prejudice, exclusion and compensating transfers: the economics of ethnic segregation", *Journal of Urban Economics*, 52, 3, 409-432, 2002.

2000:

Anas, Alex , Richard J. Arnott and Kenneth A. Small, "The panexponential monocentric model", *Journal of Urban Economics*, 47, 2, 165-179, 2000.

1999:

Anas, Alex and Rong Xu, "Congestion, land use and job dispersion: a general equilibrium analysis", *Journal of Urban Economics* , 45,3, 451-473, 1999.

Anas, Alex, "The costs and benefits of fragmented metropolitan governance and the new regionalist policies," *Planning and Markets* (an electronic journal), Vol. 1, 2, 1999.

1998:

Anas, Alex, Richard J. Arnott and Kenneth A. Small, "Urban spatial structure", *Journal of Economic Literature*, 36, 1426-1464, 1998.

(● Reprinted as Chapter 8 in *Readings in Urban Economics: Issues and Public Policy*, edited by Robert W. Wassmer. Blackwell Publishers, Malden, Mass. 2000.)

1997:

Anas, Alex and Richard J. Arnott, "Taxes and allowances in a dynamic equilibrium model of the urban housing market with a size -quality hierarchy", *Regional Science and Urban Economics*, 27, 547-580, 1997.

Anas, Alex, "Rent control with matching economies: a model of European housing market regulation" *Journal of Real Estate Finance and Economics*, 15,1, 111-137, 1997.

1996:

Anas, Alex, "Capitalization of urban travel improvements into residential and commercial real estate: simulations with a unified model of housing, travel mode and shopping choices", *Journal of Regional Science*, 35, 3, 351-375, 1995.

Anas, Alex and Ikki Kim, "General equilibrium models of polycentric urban land use with

endogenous congestion and job agglomeration”, *Journal of Urban Economics*, 40, 217-232, 1996.

1994:

Anas, Alex and Richard J. Arnott, “The Chicago Prototype Housing Market Model with tenure choice and its policy applications”, *Journal of Housing Research* 5, 1, 23-90, 1994.

[The Chicago Prototype Housing Market Model with Tenure Choice and Its Policy Applications \(jstor.org\)](#)

1993:

Anas, Alex and Richard J. Arnott, “Technological progress in a model of the housing-land cycle”, *Journal of Urban Economics*, 34, 2, 186-206, 1993.

Anas, Alex and Richard J. Arnott, “A fall in construction costs can raise housing rents”, *Economics Letters*, 41, 221-224, 1993.

Anas, Alex and Richard J. Arnott, “Development and testing of the Chicago Prototype Housing Market Model”, *Journal of Housing Research*, 4, 1, 73-130, 1993.

[Development and Testing of the Chicago Prototype Housing Market Model \(jstor.org\)](#)

Anas, Alex, Andre de Palma and Jacques-Francois Thisse, “Variety and size regulation in discrete choice oligopoly”, *International Journal of Industrial Organization*, 11,21-34, 1993.

1992:

Anas, Alex, “On the birth and growth of cities: laissez-faire and planning compared”, *Regional Science and Urban Economics*, 22, 243-258, 1992.

Anas, Alex and Ikki Kim, “Income distribution and the residential density gradient”, *Journal of Urban Economics*, 31,164-180, 1992.

Anas, Alex and Kyu Sik Lee, “Costs of deficient infrastructure: the case of Nigerian manufacturing”, *Urban Studies*, 29,7, 1071-1092, 1992.

1991:

Anas, Alex and Richard J. Arnott, “Dynamic housing market equilibrium with taste heterogeneity, idiosyncratic perfect foresight and stock conversions”, *Journal of Housing Economics*,1,1, 2-32, 1991.

1990:

Anas, Alex and Ikki Kim, “Network loading versus equilibrium estimation of the stochastic route choice model: maximum likelihood versus least squares revisited”, *Journal of Regional Science*, 30, 1, 89-103, 1990.

Anas, Alex, “Taste heterogeneity and urban spatial structure : The Logit Model and Monocentric Theory Reconciled”, *Journal of Urban Economics*, 28, 318-335, 1990.

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Anas, Alex, “A dynamic disequilibrium model of residential location”, *Environment and Planning*, 5, 633-647, 1973.

Work in progress (in various stages of completion)

1. Anas, Alex and Huibin Chang, “How to do road pricing? A comparison of congestion tolling, the distance tax and the fuel tax”. In progress.
2. Anas, Alex, Sayan De Sarkar, Govinda Timilsina, “The optimal mix of pricing and infrastructure expansions to alleviate traffic congestion and in-bus crowding in Grand Casablanca,” Working Paper (last available revision, March, 2019)
3. Anas, Alex and Debarshi Indra, “Rationality and exuberance in land prices and the supply of new housing,” Working Paper, October 10, 2015, (last available revision: January 15, 2017)
4. Anas, Alex, Ievgenii Kudko and Huibin Chang, “Graphic user interface for the regional economics, land use and transportation model,” (last available revision: August 2017)
5. Anas, Alex and Huibin Chang, “Pricing public transport in the Greater Paris Metropolitan Area: A general equilibrium analysis,” Working Paper (last available revision: January 22, 2018)

Book Chapters

Anas, Alex, “Short Run Dynamics in the Spatial Housing Market”, Chapter 16 in *Mathematical Land Use Theory*, G. J. Papageorgiou, (ed.), Lexington Books, 1976.

Anas, Alex and Dimitrios Dendrinos, “The New Urban Economics: A Brief Survey with a Bibliography”, Chapter 3 in *Mathematical Land Use Theory*, G. J. Papageorgiou (ed.), Lexington Books, 1976.

Anas, Alex and Leon N. Moses, “The Transportation - Land Use System in the Emerging Metropolis”, Chapter 8 in *Mature Metropolis*, C. Leven (ed.), Lexington Books, 1978.

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- (Reprinted as Chapter 12 (pages 163-183) in *The Economics of Land Use: The International Library of Environmental Economics and Policy*, P.J.Parks and I.W.Hardie (editors), Ashgate, 2003.)

Anas, Alex, “Land Market Theory and Methodology in Wildland Management”, *Valuation of Wildland Resource Benefits*, G. L. Peterson and A. Randall (eds.), 1984, Westview Press, Boulder.

Anas, Alex, “Modeling the Dynamic Evolution of Land Use in Response to Transportation Improvement Policies”, in *Transportation and Mobility in an Era of Transition*, G. R. M. Jansen, P. Nijkamp and C. J. Ruijgrok (eds.), 1985 North-Holland Elsevier, Amsterdam.

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Anas, Alex, “General Economic Principles for Building Comprehensive Urban Models”, Chapter 2 in *Urban Dynamics : Designing and Integrated Model*, C.S. Bertuglia, G. Leonardi and A.G. Wilson (eds.), Routledge, New York, 1990.

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Abdel-Rahman, Hesham and Alex Anas, “Theories of Systems of Cities,” in *Handbook of Urban and Regional Economics*, Volume 4, J.V. Henderson and J-F. Thisse (eds.), North-Holland Elsevier, 2004.

Anas, Alex, “Ethnic Segregation and Ghettos” in *A Companion to Urban Economics: An Undergraduate Reader*, R.J. Arnott and D.McMillen (editors), Blackwell Publishers, 2005.

Anas, Alex, “Urban Transportation Economics” in *2nd Edition of the Palgrave Dictionary of Economics*, 2008.

Anas, Alex, “Discovering the Efficiency of Urban Sprawl,” Chapter 6 in *The Oxford Handbook of Urban Economics and Planning*, Oxford University Press, Nancy Brooks, Kieran Donaghy,

Gerrit-Jan Knaap editors, pp. 123-149, 2011.

Anas, Alex, "Location effects of road pricing policies," Chapter 6 in *Infrastructure and Land Policies*, Gregory Ingram, Karin Brandt (editors) , Lincoln Institute of Land Policy, 2013.

Articles in Conference Proceedings

Anas, Alex, "A Model for the Integrated Forecasting of Travel Demand, Land Use and Land Values", in *Proceedings of the 7th Annual Modeling and Simulation Conference*, University of Pittsburgh, April 21-23, 911-917, 1977.

Anas, Alex and George L. Peterson, "A Behavioral Approach for Assessing the Demand for Cultural and Artistic Recreational Activities", *Research in the Arts: Proceedings of the Conference on Policy Related Research of the National Endowment for the Arts*, 20-23, 1978

Anas, Alex, "Economic Issues in Value Capture/Joint Development Policy", in *Planning Comment*, 13, nos. 1 and 2, 1-10, 1978.

Anas, Alex, "Comments on John McDonald's Paper: 'The Substitution of Land for Other Inputs in Urban Areas' ", *Papers of the Regional Science Association*, 44, 53-55, 1980.

Anas, Alex, "Principles and Parables of Transportation/Land Use Interaction", in *Land Use Impacts of Highway Projects*, April 9 and 10, 1984, Alan J. Horowitz (ed.) Milwaukee, Wisconsin.

Anas, Alex, "Policy Simulations with the Chicago Area Transportation/Land Use Analysis System", in *Proceedings of the 10th Dutch Transportation Planning Colloquium on Transportation and Stagnation*, December 14-16, 1983, Amsterdam-Zandvoort.

Anas, Alex, "Adaptability of the Chicago Area Transportation/Land Use Analysis System to Korea", *Proceedings of the 1985 Conference on Transportation and the Environment*, August 1985. U.S. and Korean National Science Foundations.

Anas, Alex, "Urban Transportation Policy in the United States -- Thoughts for New Directions in the Coming Decades", *Proceedings of the Conference on the Transportation Problems of the Seoul Metropolitan Area*, November, 1991. The Hyundai Research Institute.

Anas, Alex, "Commentary on 'Land Management Reforms in Transition Economies: Lessons for Korean Unification' ", pp. 429-438 in *The Land Reform Process in the Post-Communist Countries*, December 1996. Jeong-Sik Lee, Won Bae Kim and Hee-Nam Jung (eds.) Korea Research Institute for Human Settlements.

Anas, Alex, "The Economics of Preserving Environmentally and Ecologically Valuable Lands", Chapter six in *Improved Decision Making for Water Resources: the Key to Sustainable Development for Metropolitan Regions*. Proceedings of the Great Cities/Illinois-Indiana Sea

Grant Urban Water Resources Conference, September 16-17, 1999. Chicago, Illinois.

Anas, Alex, "Congestion and Metropolitan Development," in Proceedings of the Seventh International Conference on Economy and Geography, Leontief center, St. Petersburg, Russia, February 14-16, 2013

Book Reviews, Editorials and Comments

Anas, Alex, *Residential Location and Urban Housing Markets*, edited by Gregory K. Ingram, Cambridge, Mass., Ballinger, 1977, XXVI+ 403 pages. *Journal of Regional Science*, 19, 511-526, 1979.

Anas, Alex, *Integrated Urban Models*, by Stephen H. Putman, London, Pion Press, 1983. vii + 332 pp., *Annals of the Association of American Geographers* 1985.

Anas, Alex and Lewis D. Hopkins, "Britton Harris: Retrospect and Prospect", *Environment and Planning A (and B)*, 16, 1411-1417, 1984.

Anas, Alex, *Discrete Choice Models in Regional Science*, edited by D. E. Pitfield, London Papers in Regional Science, 14, London, Pion, Methuen, 201 pp., *Urban Studies*, 1984.

Anas, Alex, *Advances in Urban Systems Modeling*, edited by B. Hutchinson and M. Batty, Elsevier, North-Holland, Amsterdam, 1986, pp.432 + xi. *Transportation Science*, 22, 1988.

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Anas, Alex, *Urban Economic Theory: Land Use and City Size*, by Masahisa Fujita, Cambridge University Press, Cambridge, 1989, pp.366 + xii. *Journal of Economic Literature*, 1787-1788, 1991.

Anas, Alex, "Transport and Land Use: Editor's Introduction", *Urban Studies*, Vol. 35, No.7, 1998. Proceedings of the 1996 Conference on Taxation, Resources and Economic Development sponsored by the Lincoln Institute of Land Policy.

Anas, Alex, "Comments on 'The Economic Consequences of a Land Tax' " by Edwin S. Mills, in "Land Value Taxation in Contemporary Societies : Can It and Will It Work ?" , Dick Netzer (ed.) Lincoln Institute of Land Policy, 1998, 49-60.

Anas, Alex, *The Spatial Economy: Cities, Regions, and International Trade*, Masahisa Fujita, Paul Krugman and Anthony J. Venables, MIT Press, Cambridge, Massachusetts, 1999. *Regional Science and Urban Economics*, 2001, 31(5), 601-615

Anas, Alex, *Economics of Agglomeration: Cities, Industrial Location and Regional Growth*,

Masahisa Fujita and Jacques-Francois Thisse, Cambridge University Press, 2002. *Journal of Economic Literature*, Volume XLI (September 2003).

SELECTED INTERNATIONAL CONFERENCE PRESENTATIONS (since May 15, 2017)

1. Annual International Conference of the International Transportation Economics Association, Barcelona, Spain, June 21-23, 2017.
 - Presented working paper “*How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris project*” (co-authored with Huibin Chang, University of International Business and Economics, Beijing, People’s Republic of China.)
2. First Workshop on Urban and Regional Economics, Universidad Javeriana, Bogota Colombia, June 27-29, 2017
 - Presented working paper “*How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris project*” (co-authored with Huibin Chang, University of International Business and Economics, Beijing, People’s Republic of China.)
 - Discussant of working paper “*Rethinking Detroit*” by Raymond Owens III (Federal Reserve Bank of Richmond), Esteban Rossi-Hansberg (Princeton University), Pierre-Daniel Sarte (Federal Reserve Bank of Richmond).
3. International Seminar in Regional and Urban Economics, sponsored by Banco de la Republica and Universidad de Cartagena, Cartagena de Indias, Colombia, July 1, 2017
 - “The importance of general equilibrium structural economic models in urban planning: the RELU-TRAN model” invited presentation.
4. Peer review discussion of the Portland, Oregon land use model, METROSCOPE 2017. METRO Portland, Oregon. October 3, 2017.
5. Urban Economics Association 2017 Annual Meetings, Vancouver, Canada, November 8-11, 2017.
 - Presented working paper “*How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris project*” (co-authored with Huibin Chang, University of International Business and Economics, Beijing, People’s Republic of China.)
 - Discussed working paper “*Commuting fast and slow*” by Stephan Heiblich and Helen Simpson, University of Bristol, United Kingdom.

6. 53rd Annual Conference of the American Real Estate and Urban Economics Association, Philadelphia, Pennsylvania, January 5-7, 2018.
 - Presented the working paper “The cost of congestion and the benefits of congestion pricing in the Greater Los Angeles Region: A general equilibrium analysis.” (Alex Anas, sole author)
 - Discussed the working paper “Employer parking, mode choice and suburbanization” by J.K. Brueckner (University of California Irvine) and Sofia Franco (Universidade Nova de Lisbon)
7. Invited panelist: “Challenges in Urban Transportation Policy for the Greater Toronto Area,” sponsored by the University of Toronto, March 22, 2018. Toronto, Canada.
8. University of Toronto Transportation Economics Workshop, Rotman School of Management, University of Toronto, March 23, 2018. Toronto, Canada.
 - Presented working paper “How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris project” (co-authored with Huibin Chang, University of International Business and Economics, Beijing, Peoples Republic of China.)
9. 10th Bi-annual Postal Economics Conference on E-commerce, Digital economy and Delivery Services, sponsored by the Toulouse School of Economics, March 29-30, 2018. Toulouse, France.
 - Invited keynote presentation on “Urban Logistics”.
10. 3rd Meeting in Transport Economics and Infrastructure, Institut d’Economia de Barcelona, Barcelona, Spain, January 18, 2019.
11. Presented working paper “How and how much do public transportation megaprojects induce urban agglomeration? The case of the Grand Paris project” (co-authored with Huibin Chang, Dongbei University of Finance and Economics, Dalian, Peoples Republic of China.) August 2019.
12. Presented “Downs’ Law under the lens of theory: Roads reduce congestion and increase distance traveled” at the 12th annual conference of the European Urban Economics Association, Bocconi University, Milan, Italy, May 4,5 2023.
13. Presented “Downs’ Law under the lens of theory: Roads reduce congestion and increase distance traveled” at the annual conference of the International Transportation Economics Association, University of Cantabria, Santander, Spain, June 14-16, 2023.

14. Presented “Pigouvian pricing and the Henry George Theorem in the presence of distortionary taxation” at the annual conference of the International Transportation Economics Association, at the University of Leeds, Leeds, United Kingdom, June 24-28, 2025.
15. Presented “Pigouvian pricing and the Henry George Theorem in the presence of distortionary taxation” 14th European Meeting of the Urban Economics Association Conference, Berlin, Germany, March 28-29, 2025.
16. Presented “The paradoxical comparative statics of hypercongestion and traffic flow theory” Annual conference of the International Transportation Economics Association, Northwestern University, Evanston, Illinois, June 26-27, 2025.

Presentations scheduled but cancelled due to the Covid-19 pandemic:

Seminar at the Ted Rogers School of Management at Ryerson University, March 25, 2020..

Presentation at the annual European Meetings of the Urban Economics Association, London School of Economics, London, U.K., April 25, 2020.

Presentation at the 13th World Congress of the Regional Science Association International, Marrakesh, Morocco, June 2-5, 2020.

Presentation at the annual International Transportation Economics Association Meetings, Beijing, China, June 25, 2020 (transferred to Toulouse, France; subsequently cancelled.)

PH.D. DISSERTATIONS SUPERVISED

Northwestern

- 1) Lee, Inwon, "Public Transit Network Design with a Joint Destination Mode Choice Model: An Empirical Examination of Optimizing Interdependent Transit Projects", June, 1978.
- 2) Lee, Gun Y., "Policy Evaluation of Value Capture Strategies for Urban Rapid Transit: An Empirical Case Study of Chicago's Southwest Corridor", August, 1981.
- 3) Chu, Chaushie, "Structural Issues and Sources of Bias in Residential Location and Travel Mode Choice Models", August, 1981.
- 4) Eum, Sung Jick, "Development and Empirical Tests of Disequilibrium Adjustment Models of Urban Real Estate Market Prices and Transactions", June, 1982.
- 5) Duann, Liang Shyong, "A Dynamic Simulation Model for Residential Location, Travel Mode

Choice and Residential Land Development", August, 1982.

6) Dudnik, Elliott E., "An Analysis of Submarket Behavior and Variations in Housing Value and Preferences for the Attributes of Housing", June, 1983.

7) Ho, Tong Po, "Empirical Testing of a Disequilibrium Model of the Chicago Housing Market with Inter-submarket Spillover Effects", August, 1983.

8) Jong, Jyh Chueng, "Optimal Strategies of Buyers and Sellers in Real Estate Transactions", August, 1986.

9) Cho, Joong Rae, "A Model of the Regulated Housing Market with Fixed Prices and Quantity Rationing: The Stockholm Prototype", June, 1986.

10) Feng, Cheng Min, "Pareto Improvement and Cost-Benefit Analysis of Transportation Policies : Compensated General Equilibrium Simulations", June, 1986.

11) Hong, Gap Seong, "Efficiency of Rent Controls with Transactions Costs, Housing Quality and Centralized Matching Costs", August 1989.

12) Kim, Ikki, "Urban Land Use and Transportation with Taste Heterogeneity, June 1990.

13) Usowski, Kurt G., "Three Essays in Neoclassical Urban Economics", December 1991.

14) Chen, Yen-Jong, "Discrete Choice Models of Housing Demand and Tenure Choice", December 1993.

15) Kim, Donghyo, "Unified, Long Run Transportation and Land Use Model: Formulation and Computational Solution", June 1996.

State University of New York at Buffalo

16) Kwon, Young-Dae, "Spatial Models of Economic Integration with a Public Sector," April 1998.

17) Xiong, Kai, "Intercity and Intracity Externalities in a System of Cities: Equilibrium, Transient Dynamics and Welfare Analysis," September 1998.

18) Safirova, Elena, "Economic Models of Telecommuting," January 1999.

19) Noguera, Jose de Jesus, "A Spatial Theory of Money Demand and the Origins of Money," June 1999.

20) Yamazaki, Takeshi, "Essays on Housing Markets," June 2000.

- 21) Choi, Youn-Ki, "Industrial Structure, Growth and Income Inequality," September 2000.
- 22) Young-Jun Choi: "Essays on the Economics of e-Commerce, Integration and Infrastructure," September 2001.
- 23) You-Yan Li: "Three Essays on Public Finance and Urban Endogenous Growth Theory," September, 2002.
- 24) Yu Liu: "Subcenter Formation in a NEG Model of A City System," September 2005.
- 25) Krassimir Kostov: "Urban Development Under Uncertainty: A Real Options Approach," February, 2007.
- 26) Tomoru Hiramatsu: "The Impact of Anti-Congestion Policies on Fuel Consumption, CO2 Emissions and Urban Sprawl: Application of RELU-TRAN2, a CGE model," March 2010.
- 27) Dimitrios Staikos, "Tenure Choices, Housing Prices and Mortgage Default in Dynamic Models of the Housing Market", August 2012.
- 28) Akin Buyukeren, "Essays on urban externalities," June 2013.
- 29) Indra Debarshi, "Essays in Applied Econometrics," May 2014.
- 30) Fa-Hsiang Chang, "Essays on the New Economic Geography", May 2015.
- 31) Huibin Chang, "Applications of the Regional Economy, Land Use and Transportation CGE Model to Urban Transportation Pricing and Investment Policies", August 2016.
- 32) Yoon Sang Moon, "Essays on Urban Spatial Structure," July, 2017.
- 33) Ievgenii Kudko, "Models of Urban Income Inequality and Heterogeneity," August 2017.
- 34) Guillermo Sinisterra, "Effect of Transport Improvements on Urban Form, Employment Location and Prices", August 2017.
- 35) Nguyen Thi Binh Nguyen, "Fiscal Transfers in Optimal Spatial Economies with Urban-Rural and Intercity Trade," August, 2018.
- 36) Sayan De Sarkar, "An International Comparison of the Effectiveness of Demand-side and Supply-side Policies to Alleviate Urban Traffic Congestion," August 2019.
- 37) Shuhua He, "Essays on Residential Segregation and the Spatial Interaction of Housing and Labor Markets," January 2021.
- 38) Hoang Dao, "Essays on Transportation Economics: Application of Discrete Choice Models to Analyze Choice Models to Analyze Topics in Transportation" August 2021.

39) Seungmin Baek, “Essays on Quantitative Spatial and Urban Economics”, August 2022.

40) Felix Adongo, “Essays on Trade Liberalization, Trade Growth, and Labor Market Outcomes”, august 2025.

Dissertations currently being supervised: Mr. Jaekyong Kim, Mr. Hamin Hong.

POST-DOCTORAL FELLOWS SUPPORTED

- 1) Rong Xu, Ph.D. (October, 1995-September, 1997). She was supported on various grants.
- 2) Elena Safirova, Ph.D. (February, 1999 –January 2001). Supported as post-doctoral fellow on NSF grant.
- 3) Hyok-Joo Rhee, Ph.D. (Academic year 2005-2006, summer of 2006 and 2007). Self-supported.
- 4) Yu Liu, Ph.D. (October 2005 – June 2007). Supported as post-doctoral fellow on USEPA grant.
- 5) Ki-Whan Choi (November 2007-November 2008). Supported on USEPA grant.
- 6) Youn-Ki Choi (February 2008 – February 2009). Post-doctoral fellow visiting my group. Supported by his employer in Korea, the Korea Institute for Industrial Economics and Trade, a government sponsored research institute in Seoul, Korea.
- 7) Tomoru Hiramatsu (April, 2010 – August 2012). Supported on grant from the University of California, Office of the President.
- 8) Debarshi, Indra (June 2014 – August 2015). Supported on grant from the University of California, Office of the President.