

RAYMAN MOHAMED, Ph.D.

Wayne State University
Department of Urban Studies and Planning
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Education

Ph.D., Cornell University, Ithaca, NY: City and Regional Planning. Dissertation: “Small Developers, Infrastructure, and Residential Sprawl.”

M.Sc., University of South Florida, Tampa, FL: Civil and Environmental Engineering. Thesis: “Oxygen Uptake Rate and Plant Performance at the Valrico [Tampa, Florida] Wastewater Treatment Plant.”

B.Sc., University of Guyana, Georgetown: Civil Engineering. Concentration in Environmental Engineering. Best graduating student in class.

Other Relevant Courses

Lincoln Institute of Land Policy, MA: Development Finance Seminar, *The Nuts and Bolts of Local Government Finance*.

Portland State University, Portland, Or: Joint APA/ACSP workshop, *Writing for Scholarly Publication: From Idea to Article*.

Santa Fe Institute, Santa Fe, NM: Complex Systems Summer School, *An Introduction to Complex Behavior in Social, Biological and Physical Systems*.

Academic Appointments

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| Fall 11-
2014 | Director, Undergraduate Urban Studies Program, Wayne State University,
Department of Urban Studies and Planning |
| Fall 10 –
Present | Associate Professor, Wayne State University, Department of Urban Studies and
Planning |
| Fall 03 -
Spring 10 | Assistant Professor, Wayne State University, Department of Urban Studies and
Planning |
| Spring 03 | Instructor, Jackson State University, Department of Urban and Regional Planning
Co-Instructor, Mississippi State University, Department of Political Science |

Other Academic Appointments

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| 2014, Fall | Visiting Associate Professor, School of City and Regional Planning, Georgia
Institute of Technology, Atlanta, GA. |
| 2007 -
2008 | Dissertation Supervisor, Master’s students, Bartlett School of Planning, University
College London, University of London. |
| 2008 | Visiting Scholar, Department of Land Economy, University of Cambridge, |

Cambridge, UK.

2007, Fall Resident Scholar, Humanities Center, Wayne State University.

Other Professional Appointments

1997 Interamerican Development Bank, Consultant, Washington, DC.

1994-1996 The Carter Center, Country Office Director, Guyana Office.

1991-92 The Carter Center, Deputy Coordinator, Guyana Office.

Current and Past Teaching

Geographic Information Systems (online)
Environmental Planning
Environmental Governance (undergraduate)
Methods for Urban Studies (undergraduate)
Introduction to Urban Studies (undergraduate)
Local Government Finance
Brownfields Redevelopment
Land Use Planning
Planning Methods
Introductory Statistics and Regressions

Publications

Mohamed, R. (in press) The economics of conservation subdivisions: Spatial effects on prices, *Urban Affairs Review*.

Mohamed, R., Boyle, R., Yang, A., and Tangari, J. (in press) Adaptive reuse: A review and analysis of its relationship to the 3 E's of sustainability, *Facilities*.

Jing, W., Zhu, Q., Mohamed, R., and Wang, Z. (2016) Modeling and assessing international climate financing, *Frontiers of Earth Science* **10** (2) 253-263.

Mohamed, R., vom Hofe, R., and Mazumder, S. (2014) Jurisdictional Spillover effects of sprawl on accidents, *Accident Analysis and Prevention* **72** (1) 9-16.

Mohamed, R. (2013) Does the endowment effect influence outcomes in takings cases? An exploratory look at some important cases and suggestions for additional research, *Journal of Planning Education and Research* **33** (2) 194-203.

Wu, Jing, Mohamed, R., and Wang, X. (2011) An agent-based simulation of the spatial evolution of the historical population in China, *Journal of Historical Geography* **37** (1) 12-21.

Mohamed, R. (2010) Are profits from subdivision development higher in areas with more regulations? A case study of South Kingstown, Rhode Island, and some implications for land use planning, *Housing Policy Debate*, **20** (3) 429-456.

Mohamed, R. (2009) Why do residential developers prefer large exurban lots? Infrastructure costs, exurban development, and satisficing, *Environment and Planning B*, **36** (1) 12-29.

Mohamed, R. (2009) Brownfields redevelopment: Can business incentives be justified and what are the implications for efficiency versus equity? *Interdisciplinary Social Sciences* **4** (1) 279-294.

- Mohamed, R. (2009) Why households in the United States do not maintain their septic systems and why state-led regulations are necessary: Explanations from public goods theory. *Sustainable Development and Planning*, **4** (2) 41-55.
- Mohamed, R. (2008) Who would pay for rural open space preservation and inner city redevelopment? Identifying support for policies that can contribute to regional land use governance, *Urban Studies* **45** (13) 12-29.
- Mohamed, R. and Najfi, M. (2008) To dig or not to dig? A cost comparison of open-cut and trenchless methods for rehabilitating sewer lines, *Underground Infrastructure Management*, **9** (8) 28-32.
- Pothukuchi, K., Mohamed, R. and Gebben, D. (2008) Explaining disparities in food safety compliance by food stores: Does community matter? *Journal of Agriculture and Human Values*, **25** (3) 319-332.
- Boyle, R. and Mohamed, R. (2007) State growth management, smart growth, and urban containment: A review of the US and a study of the heartland," *Journal of Environmental Planning and Management*, **50** (5) 677-697.
- Najafi, M., Mohamed, R., Tayebi, A. K., et al. (2007). Fiscal impacts of alternative single-family housing densities. *Journal of Urban Planning and Development: American Society of Civil Engineers*, *133*(3), 179-187.
- Mohamed, R. (2006) The psychology of developers: Lessons from behavioral economics and additional explanations for satisficing, *Journal of Planning Education and Research*, **26** (1) 28-37.
- Mohamed, R. (2006) The economics of conservation subdivisions: Price premiums, improvement costs, and absorption rates, *Urban Affairs Review*, **40** (3) 376-399.
- Oxygen Utilization and Flow Rates in Water Treatment Plants, *Advances in Environmental Research*, 1997 (2). With R.O. Mines.

Reports

- Mohamed, R., Boyle, R., and Golob, P.
- Boyle, R., Mohamed, R., and Tangari, J. Baseline assessment of the impact of Redevelopment Ready Communities program, report prepared for the Michigan Economic Development Corporation, 2014.
- Urban, N., Boyle, R., and Mohamed, R. A study of a scheduled passenger transportation link between the Wayne County International Airport and Downtown Detroit, report prepared for *Detroit Metro Convention and Visitors Bureau*, 2013.
- Tangari, J., Boyle, R., and Mohamed, R. The Triple Bottom Line Impacts of U-Haul's Adaptive Reuse of Historic Industrial Buildings: Building the Context for a Case Study, report prepared for U-Haul International Corporation, 2013.
- Mohamed, R. Development trends and Developers in Midtown, Detroit, *MSU/Economic Development Administration Center for Regional Economic Innovation*, 2012.
- Mohamed, R. (with Dancik, B.) Priming the pump: Assessing the investment impacts of Michigan's Site Assessment Fund, *Land Policy Institute*, Michigan State University, 2007.
- Adelaja, S., Mohamed, R. and Najafi, M., The Fiscal Impacts of Sprawl in Michigan, A Joint

Report Between the Center for Underground Infrastructure Research and Education at Michigan State University and the Department of Geography and Urban Planning at Wayne State University, 2006.

Allard, N. and Mohamed, R., *Brownfields Redevelopment: A Preliminary Assessment in Michigan*, Department of Geography and Urban Planning, Wayne State University, 2005.

Mohamed, R., *The Determinants of Homeownership in Southern Rhode Island*, Department of City and Regional Planning, Cornell University, Working Paper Series, 200-1999.

Mohamed, R., *Environmental Strategies for Small Island Nations in the Caribbean*, internal report, *Inter-American Development Bank*, 1997.

Mohamed, R., *A Micro-Enterprise Strategy for Guyana*, internal report, *Inter-American Development Bank*, 1997.

Funded Research

- 2015 Wayne State University Pilot Grant, *Transportation, Health, Environmental, and Economic Impacts of the M-1 Rail*, \$100,000 (PI).
- 2014 U-Haul International, *Moving to Opportunity: U-Haul's Local Economic Impact and Contributions to Residential Mobility*, \$105,000 (PI).
- 2012 Detroit Metro Convention & Visitors Bureau, *An Analysis of the Demand for Shuttle Service from Metro Airport*, \$29,000 (co-PI).
- 2012 Michigan State University/ U.S. Economic Development Administration, Department of Commerce, *Small-Scale Urban Developers and Landlords as Agents of Real Estate-Led Economic Development in Midtown, Detroit*, \$8,000 (PI).
- 2009 Wayne State University, *Small Scale Urban Developers as Agents of Neighborhood Stabilization*, \$20,000 (PI).
- 2006 Kellogg Foundation/Land Policy Institute, *Toward Sustainable Coastal Communities: An Integrated Assessment of Brownfields Redevelopment Along Michigan's Coasts*, \$28,000 (PI).
- 2005 Institute for Public Policy and Social Research, *Critical Action Plan for Securing a Sustainable Infrastructure in Michigan*, with Mohammad Najafi and Abdelkader Tayebi, \$25,000 (co-PI).
- 2005 Land Policy Center, Michigan State University, *Priming the Pump: Assessing the Impact of Public Investment in Brownfield Redevelopment*, \$20,000 (PI).
- 2004 Land Policy Center, Michigan State University, *A Study of the Efficacy of Michigan's Incentives for Brownfields Redevelopment*, \$5,000 (PI).
- 2004 Center for Underground Infrastructure Research and Education, *The Fiscal Impacts of Sprawl*, \$3,000 (PI).
- 2000 United States Department of Agriculture, *Smarter Growth in Thinning Counties: Individual Decisions, Collective Problems*, with Rolf Pendall, \$100,000 (investigator).

Invited Presentations

2009, Before the bust: A look at profit margins from subdivision development during the boom days of 1995 to 2005, *Urban Land Institute (at Wayne State University)*. Detroit, MI.

2007, Making Michigan redevelopment ready, *School of Architecture and Urban Planning, Huazhong University of Science and Technology*. Wuhan, China.

2007, Infrastructure Planning and Urban Development: Perspectives from the U.S. and China, NSF/China University of Geosciences sponsored workshop on trenchless technology, Wuhan, China.

Do Incentives for Brownfields Redevelopment Work: Market-based Solutions to Land Use Problems? *Michigan Land Use Summit*, March 2006.

Life Cycle Costs and Density. *Michigan Economic and Environmental Roundtable*, February 2006.

Coase and the Global Environment. *Master's Seminar on Global Environmental Politics, Mississippi State University*, November 2005.

Thinking about New Orleans from the Perspectives of Brownfields: What Lessons Can we Apply? *A Campus Dialogue: Rebuilding New Orleans at Wayne State University*, October 2005

Discussant: Environmental Politics in the new South, *Southern Political Science Association 2005 Annual Conference*, New Orleans, January 2005.

Honors and Awards

1998-2002 Graduate Teaching and Research Support, Cornell University

1991 Texaco West Indies Award for best graduating student in the Class of Civil Engineering, University of Guyana.

C.A. Liburd Civil Engineering Consultants Award for best graduating student in Class of Civil Engineering, University of Guyana.

1990 University of Guyana Award for academic performance.

Service

2014 – 2015 National conference chair, Annual Conference of the Collegiate Schools of Planning

2012 – 2013 Merit review committee, College of Liberal Arts and Science, Wayne State University

2010 – 2011 National conference committee, Annual Conference of the Collegiate Schools of Planning

2007 – 2012 Track chair and co-chair, various years of the land use track, Annual Conference of the Collegiate Schools of Planning

2011 – Present Member, Faculty Advisory Board, Center for the Study of Citizenship, Wayne State University

2010 – Conference committee chair, Annual Conference of the Collegiate Schools of

2011 Planning
2010 – Member, Faculty Advisory Board, Humanities Center, Wayne State University
2011
2003 - Various faculty search, course development, scholarship, and other committees
Present

Recent Journal Reviews

Journal of Planning Education and Research; Journal of Urban Affairs; Urban Water; Landscape and Urban Planning; International Journal of Urban and Regional Research; Urban Geography; Journal of Environmental Planning and Management.

Conference Presentations

The price premium of lots in conservation subdivisions using spatial econometric models, paper presented to the *Association of Collegiate Schools of Planning 2015 Annual Conference*, Houston, TX.

Jurisdictional spillover effects of sprawl on injuries and fatalities, paper presented to the *Association of Collegiate Schools of Planning 2015 Annual Conference*, Philadelphia, PA.

What if planners were behavioral psychologists?, paper presented to the *Association of Collegiate Schools of Planning 2012 Annual Conference*, Cincinnati, OH.

Could there be psychology in U.S. land use law? Takings and the importance of endowments in U.S. Supreme Court decisions, paper presented to the *Association of Collegiate Schools of Planning 2010 Annual Conference*, Minneapolis, MN.

Environmental planning in the U.S.: An Update, paper presented to the *30th anniversary workshop on Urban Planning, Wuhan Planning and Design Institute*, 2009, Wuhan, China.

Are profits higher from subdivision development in areas with more regulations? A case study of South Kingstown, Rhode Island, and some implications for land use planning, paper presented to the *Association of Collegiate Schools of Planning 2009 Annual Conference*, Crystal City, VA.

Comparing open cut and trenchless methods for rehabilitating sewer lines, paper presented to the *Trenchless Technology and Asset Management School conference*, 2007, Wuhan, China.

Could There be Psychology in Land Use Law: A Behavioral Perspective, paper presented to the *Inaugural Symposium of the International Academic Forum on Planning, Law and Property Rights*, 2007, Amsterdam, Netherlands.

Possession as a Key Ingredient of Land Use Law: A Behavioral Perspective, paper presented to the *American Agricultural Economics Association Annual 2006 Conference*, Long Beach, CA.

Density, On-site Costs, and Developers' Responses: An Analysis Using Financial Performance Guarantees, paper presented to the *Association of Collegiate Schools of Planning 2005 Annual Conference*, Kansas City, MO.

Psychological Models of Economic Decision-Making: Lessons from Behavioral Economics, paper presented to the *Association of Collegiate Schools of Planning 2005 Annual Conference*, Kansas City, MO, with Tony Brinkman.

Public Opinion and Land Use in Michigan: Lessons for States with Strong Home Rule Traditions, paper presented to the *Regional Science Association International 2004 Annual North American*

Meeting, Seattle, WA.

The Psychology of Developers: A Review of the Pertinent Literature from Behavioral Economics and An Alternative Explanation for Satisficing, paper presented to the *Regional Science Association International 2004 Annual North American Meeting, Seattle, WA.*

Small Developers and Suboptimal Choices, paper presented to the *Regional Science Association International 2003 Annual North American Meeting, Philadelphia, PA.*

Teaching Environmental Planning: Thoughts of a Novice, paper presented to the *East & West Lakes Divisions of the Association of American Geographers 2003 Annual Conference, Kalamazoo, MI.*

Environmental Services, Common Property Resources, and Undercapitalized Developers: Implications for Growth Management, paper presented to the *Association of Collegiate Schools of Planning 2002 Annual Conference, Baltimore, MD.*

The Messy Business of Subdivision Development, paper presented to the *American Real Estate Society 2002 Annual Conference, Naples, FL.*

Toward an Agent-Based Model of Land-Use Change: Developer Behavior, The Subdivision Process, and the Price of Raw Land in South Kingstown, Rhode Island, paper presented to the *Association of Collegiate Schools of Planning 2001 Annual Conference, Cleveland, OH.*