

**RANDALL P. WALSH**  
**Curriculum Vitae**  
**November, 2017**

Department of Economics  
University of Pittsburgh  
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Pittsburgh, PA 15260

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### **Research Interests**

Applied Micro Economics, Environmental Economics, Public Economics, Urban Economics, Race, Economic History

### **Education**

Ph.D. Economics Duke, University, Fall 2002  
B.A. Economics, Summa Cum Laude, Presidential Scholar, Phi Beta Kappa,  
Rosen Prize, University of New Hampshire, May 1996

### **Professional Appointments**

University of Colorado, Department of Economics, Instructor	2001 – 2002
University of Colorado, Department of Economics, Assistant Professor	2002 – 2008
University of Pittsburgh, Department of Economics, Associate Professor	2008 – 2017
University of Pittsburgh, Department of Economics, Professor	2017 – Present
University of Pittsburgh, Graduate School of Public and International Affairs, Secondary Appointment	2017 – Present
Faculty Research Associate, National Bureau of Economic Research	2011 – Present
Faculty Fellow, National Bureau of Economic Research	2008 – 2011
University of Pittsburgh, Urban Studies Faculty Advisory Committee	2013 – Present
Center for Race and Social Problems, Advisory Board	2011 – Present
University of Pittsburgh Dept. of Economics, Director of Graduate Studies	2010 – 2013
U.S. EPA Science Advisory Board Environmental Justice Technical Guidance Review Panel, Member	2013 – 2014
Allegheny County Health Department Air Toxics Committee, Member	2010 – 2012
Institute for Behavioral Sciences, Faculty Research Associate	2004 – 2008
Journal of Environmental Economics and Management, Editorial Council	2016 - Present
Economic Inquiry, Co-Editor	2009 – 2016
Economic Inquiry, Associate Editor	2008 – 2009

## Grants

*DOE (via NSF & Rand)* Oil and Gas Leasing Behavior with Karen Clay, Akshaya Jha and Nicholas Muller (\$47,592)

*Scott Institute* Economics and Externalities of Moving Crude Oil by Pipelines and Railroads: Evidence from the Bakken Formation 2016-2017 with Karen Clay, Akshaya Jha and Nicholas Muller (\$25,000)

*Sloan Foundation Grant via NBER* External Economies of Shipping Energy Fuels 2016-2017 with Karen Clay, Akshaya Jha and Nicholas Muller

*National Science Foundation* SES-1459847 White Flight, Discrimination, and the Origins of Urban Segregation in the United States, 2015-2018 with Allison Shertzer (\$431,689).

*Center on Race and Social Problems* Pilot Proposal, Genesis of Racial Segregation in American Cities with A. Shertzer (\$8,617)

*University Center for Social and Urban Research* Manners Award, The Political Economy of American Apartheid (1900-1950) with W. Troesken (\$10,000)

*National Science Foundation* DEB 1115068, Dynamics of Coupled Natural and Human Systems in the Colorado Front Range Wildland/Urban Interface: Causes and Consequences, 2011 – 2014 (sub-award: \$233,349)

*National Institute for Health*, Decomposing Neighborhood Change, 2008-2009 with T. McKinnish and T. K. White (\$150,000)

*University of Colorado Population Center Development Grant*, Decomposing Neighborhood Change, 2007-2008 with T. McKinnish (\$10,082).

*Lincoln Institute for Land Policy*, Migratory Effects of Second Home Ownership, 2006-2007 (\$32,000).

*Lincoln Institute for Land Policy*, Conservation Voted, 2005-2006 with W. Oates, S. Banzhaf and J. Sanchiricho (\$90,000).

*National Science Foundation* SES-03-21566, Collaborative Research: Neighborhood Choice, Environmental Justice, and Policy Analysis, 2003-2005 with N. Flores & S. Banzhaf (\$345,000).

*Lincoln Institute for Land Policy*, Project on Urban Sprawl, 2002-2003 with T. Nechyba (\$20,000).

*Resources for the Future* Dissertation Fellowship

*Lincoln Institute of Land Policy* Dissertation Fellowship

## Publications

“Political Participation in a Violent Society: The impact of Lynching on Voter Turnout in the Post-Reconstruction South,” with Daniel Jones and Werner Troesken, [Journal of Development Economics](#) (2017)

“Promise Scholarship Programs as Place-Making Policy: Evidence from School Enrollment and Housing Prices,” with Michael LeGower [Journal of Urban Economics](#) (2017)

“Race, Ethnicity, and Discriminatory Zoning,” with Allison Shertzer and Tate Twinam [American Economic Journal: Applied Economics](#) (2016)

“Segregation and Neighborhood Change in Northern Cities: New Historical GIS Data from 1900 to 1930,” with Allison Shertzer and John Logan. Historical Methods (2016).

“Mandate and Paternalism: A Theory of Large Elections” with Marco Favarelli and Priscilla Mann. Games and Economic Behavior. (2015) – Lead Article

“Cities and the Environment” with Matt Kahn. Handbook of Urban and Regional Economics, (2015).

“Foreclosures, Vacancy and Crime” With Lin Cui. Journal of Urban Economics, (2015).

“Wage Disparities in US Cities” with Craig Kerr. Journal of Race and Social Problems, (2014).

“The Effect of Property Taxes on Vacation Home Growth Rates: Evidence from Michigan,” Regional Science and Urban Economics, with E. Johnson (2013)

“Segregation and Tiebout Sorting: the Link between Place-Based Investments and Neighborhood Tipping,” with H.S. Banzhaf, Journal of Urban Economics. (2012)

"Environmental Gentrification and Discrimination," with H.S. Banzhaf and J. Sidon in The Political Economy of Environmental Justice, ed. by H.S. Banzhaf, Stanford U Press (2012).

“Who Gentrifies Poor Neighborhoods?” with T. McKinnish and T.K. White, Journal of Urban Economics. (2010).

“The Effects of Gender Interactions in the Lab and in the Field” with K. Antonovics & P. Arcidiacono, Review of Economics and Statistics, (2009).

“Do People Vote with Their Feet? An Empirical Test of Tiebout’s Mechanism” with H.S. Banzhaf American Economic Review, (2008).

“Communities, Competition, Spillovers, and Open Space” with A. Strong, Land Economics, (2008).

“Building the Family Nest: A Collective Household Model with Competing Pre-Marital Investments and Spousal Matching” with M. Iyigun, Review of Economic Studies (2007).

“Endogenous Open Space Amenities in a Locational Equilibrium”, Journal of Urban Economics (2007).

“Endogenous Gender Power, Household Labor Supply & the Demographic Transition” with M. Iyigun, Journal of Development Economics (2007).

“Games and Discrimination: Lessons from the Weakest Link” with K. Antonovics & P. Arcidiacono, Journal of Human Resources (2005).

“Urban Sprawl” with Tom Nechyba, Journal of Economic Perspectives (2004).

“Estimating the General Equilibrium Benefits of Large Changes in Spatially Delineated Public Goods” with H.Sieg, V.K. Smith, and H.S. Banzhaf, International Economic Review, (2004).

Reprinted in “*Revealed Preference Approaches to Environmental Valuation: Volume II*,” J. Herriges and C. Kling (eds.), *The International Library of Environmental Economics and Policy Series*, Ashgate (London), forthcoming.

“General Equilibrium Benefit for Environmental Improvements: Projected Ozone Reductions under EPA’s Prosecutive Analysis for the Los Angeles Air Basin” with H.Sieg, V.K. Smith, and H.S. Banzhaf, Journal of Environmental Economics and Management (2004).

Reprinted in “*Revealed Preference Approaches to Environmental Valuation: Volume II*,” J. Herriges and C. Kling (eds.), *The International Library of Environmental Economics and Policy Series*, Ashgate (London), forthcoming.

“Interjurisdictional Housing Prices in Locational Equilibrium” with H. Sieg, V.K. Smith, and H.S. Banzhaf, Journal of Urban Economics, (2002).

“Implementing Value Added Measures of School Performance, Are We Getting the Incentives Right?” with H. Ladd, Economics of Education Review, (2002).

“Do Painless Environmental Policies Exist?” with V. K. Smith, Journal of Risk and Uncertainty, (2000).

“The Role of Optimizing Behavior in Willingness to Pay Estimates for Air Quality” with H. Sieg, V.K. Smith, and H.S. Banzhaf, American Journal of Agricultural Economics, (1999).

## **Working Papers**

“How Do Voters Matter? Evidence from US Congressional Redistricting”, with Daniel Jones revision, NBER Working Paper No. w22526, submitted to Journal of Public Economics

“Racial Sorting and the Emergence of Segregation in American Cities,” with Allison Shertzer, NBER Working Paper No. w22077, revision submitted to Review of Economics and Statistics

“Zoning and Urban Persistence” with Allison Shertzer and Tate Twinam, NBER Working Paper No. w22658, revision submitted to Journal of Urban Economics

“WUI On Fire: Risk, Salience & Housing Demand” with Shawn McCoy. NBER Working Paper No. w20644, revision requested Journal of Environmental Economics and Management

“Collective Action, White Flight, and the Origins of Formal Segregation” with Werner Troesken, NBER Working Paper No. w23691, under review

The External Costs of Transporting Petroleum Products by Pipelines and Rail: Evidence from Shipments of Crude Oil from North Dakota, with Karen Clay, Akshaya Jha and Nicholas Muller, NBER Working Paper No. w23852, under review

“A Poll Tax by any Other Name: The Political Economy of Disenfranchisement” with Daniel Jones and Werner Troesken, NBER Working Paper No. w18612

## **Teaching Experience**

### *Undergraduate:*

Environmental Economics for non-majors  
Environmental Economics for majors  
Economics in Action: Urban Economics  
Statistics with Computer Applications  
Intermediate Microeconomics  
Political Economy of Race  
Honors Seminar

### *Ph.D.:*

Ph.D. Research Seminar  
Environmental Economics II

Empirical Industrial Organization  
Urban Economics

### **Advising (Main Advisor)**

#### **Ph.D.**

Josh Sidon (completed 2006)  
Erik Johnson (completed 2008)  
Megan Harrod (completed 2009)  
Craig Kerr (completed 2011)  
Shikha Basnet (completed 2011)  
Jay Schwartz, co-chair (completed 2011)  
Sandra Orozco, co-chair (completed 2011)  
Lin Cui (completed 2012)  
Daniel Jones, co-chair (completed 2013)  
Heriberto Gonzalez, co-chair (completed 2013)  
Michael LeGower, co-chair (completed 2014)  
Martin Saavedra, co-chair (completed 2014)  
Tate Twinam, co-chair (completed 2015)  
Shawn McCoy (completed 2016)  
Katie Jo Black (completed 2016)  
Xiaoxi Zhao (completed 2017)  
Hao Feng  
Chengying Luo  
Sijie Li  
Jessica LaVoice  
Prottoy Akbar

#### B.Phil

Katherine “Nikki” Luke

#### Undergraduate (Honors Thesis)

*Main Advisor:*

Kathryn Landyut  
Karen Edwards (Environmental Studies)  
David Trace  
Carolyn Wagner  
Anne Reinhart  
Gregory Bland

### **Peer Review**

*American Economic Review*  
*American Journal of Agricultural Economics*  
*Economic Inquiry*  
*Natural Hazards Review*  
*Journal of Environmental Economics and Management*  
*Land Economics*  
*Journal of Public Economics*  
*Journal of Urban Economics*  
*Journal of Environmental and Resource Economics*  
*Journal of Business Economics and Statistics*  
*Journal of Economic Geography*

*Journal of Regulatory Economics*  
*Educational Evaluation and Policy Analysis*  
*Regional Science and Urban Economics.*  
*Review of Economics and Statistics*  
*Review of Economic Studies*  
*Journal of Regional Science*  
*Quarterly Journal of Economics*  
*Journal of Economic History*

## **University Service**

### **Colorado**

Research Committee (2001)  
Fundraising Committee (2002)  
Graduate Curriculum Committee (2003-2004)  
Empirical IO Search Committee (2003-2004)  
Seminar Room Renovation Committee (2003)  
IBS Health Behavior Search Committee (2004-2005)  
Chair Computer Resources Committee (2004-2005)  
Graduate Admissions Committee (2004-2005)  
Chair Graduate Admissions Committee (2005-2007)  
Outcomes Assessment Committee (2005-2006)  
Econometrics Search Committee (2006-2007)  
Honor's Council (2004-2005 & 2006-2007)

### **University of Pittsburgh**

Arts & Science Council (2009 – 2012)  
Arts & Science Planning and Budget Committee (2010-2013)  
Department Planning Committee (2009-Present)  
Graduate Committee (2009-Present)  
Econometrics Hiring Committee (2009-2010)  
Chair, Applied Micro Hiring Committee (2010-2011)  
Applied Micro Hiring committee (2012-2013)  
Co-Chair International/Applied Micro Hiring Committee (2014-2015)  
Sustainability Hiring Committee (2014-2015)  
Director of Graduate Studies (2010-2013)  
Center for Race and Social Problems, Advisory Committee (2011- present)  
Center for Race and Social Problems Economics Disparities RAP group, Chair (2012-2014)  
Urban Studies Program, Faculty Advisory Committee (2013 – present)  
University Steering Committee on Sustainability Initiatives (2013- present)  
Dietrich School of Arts and Sciences Undergraduate Council (2015 – present)  
Department Strategic Planning Committee (2015 – 2017)  
Departmental Executive Committee (2015 – present)  
Departmental Undergraduate Curriculum Review Committee (2017 – present)  
Departmental Master Degree Planning Committee (2017 – Present)

## **Research Seminar Presentations**

### **Minority Representation in Local Government and Distributional Outcomes**

Ohio State University – 2017  
University of Southern California – 2017

### **Racial Sorting and the Emergence of Segregation in American Cities**

University of Michigan – 2017

University of Maryland – 2015  
Georgia State University – 2014  
Mississippi State University – 2014  
National Bureau of Economic Research – 2014

**WUI on Fire: Risk, Salience and Housing Demand**  
ASSA Meetings – 2014

**Zoning and Urban Persistence**

Federal Reserve Bank of Cleveland – 2016  
Federal Reserve Bank of Philadelphia – 2016  
North American Regional Science Meetings - 2015  
Northwestern University - 2016  
University of Illinois - 2015  
Otego University – 2015  
Victoria University of Wellington – 2015  
University of Western Australia – 2015  
University of New South Wales – 2015  
University of Adelaide – 2015  
Melbourne Institute – 2015  
Monash University – 2015  
Rochester University – 2014  
Tulane University – 2014

**Race Ethnicity and Discriminatory Zoning**

University Center for Social and Urban Research – 2014  
Pittsburgh Economics Medley – 2014  
World Congress of Environmental and Resource Economists (Istanbul, Turkey) -- 2014

**The Role of Amenities (Environmental & Otherwise) in Shaping Cities**

University of Pennsylvania – 2014

**A Poll Tax by any Other Name: Black Disenfranchisement in the Post-Reconstruction South**

Center for Race and Social Problems – 2012  
Washington University, St. Louis – 2012  
Arizona State University – 2013  
NBER, DAE – 2013

**Markets, States, and the Making of American Apartheid, 1877-1948**

Center for Race and Social Problems – 2011  
University of California, Los Angeles – 2012  
Camp Resources (Keynote) – 2012

**Smooth Politicians and Altruistic Voters**

Public Economic Theory Meetings – 2011

**Segregation and Tiebout Sorting: Investigating the Link Between Public Goods and Demographic Composition**

Georgetown University – 2008  
Brown University -- 2008  
Resources for the Future – 2009  
Cornell University – 2009  
Yale University – 2009  
University of British Columbia – 2010  
University of Kentucky – 2010  
Queensland University, Brisbane Australia – 2011

University of Calgary – 2011

### **Race, Environment and Neighborhood Choice**

ASSA Meetings – 2006

University of Central Florida – 2006

3<sup>rd</sup> World Congress of Environmental and Resource Economics, Kyoto, Japan – 2006

University of Wisconsin – 2007

University of Illinois – 2007

University of Pittsburgh – 2007

University of California, Los Angeles – 2007

Brown University – 2008

University of Texas, Austin – 2007

### **Do People Vote with Their Feet? An Empirical Test of Tiebout's Mechanism**

NBER Summer Workshop on Environmental Economics – 2005

California Occasional Environmental Workshop – 2005

Tufts University - 2006

Oregon State University - 2006

University of Minnesota – 2006

University of California, Riverside – 2006

Colorado State University – 2007

University of Nevada, Reno – 2007

Zurich University – 2007

### **Measuring Open Space**

NSF Bio-Complexity Program Conference, Santa Fe NM – 2005

### **Sprawl and Open Space**

Washington University, St. Louis – 2004

Conference on Landscape Amenities, Dijon France – 2005

Lincoln Institute for Land Policy – 2006

### **Endogenous Open Space Amenities in a Locational Equilibrium**

Camp Resources – 2000

University of Wisconsin – 2001

University of Colorado – 2001

Colorado State University – 2001

Syracuse University – 2001

College of William and Mary – 2001

University of Massachusetts, Amherst – 2001

University of Kentucky – 2001

University of New Hampshire – 2001

University of Toronto – 2002

ASSA Meetings – 2003

University of California, Santa Barbara – 2003

AERE Summer Workshop, Madison Wisconsin – 2003

University of Maine – 2003

University of Maryland – 2004

University of Wyoming - 2004

### **Community Composition and the Evolution of Plant Toxicity**

Western Economics Association Meetings – 2003

Second World Congress of Environmental and Resource Economists – 2002

### **Communities, Competition, Spillovers, and Open Space**

Public Economic Theory Workshop, Duke University – 2003



Southern Economic Association Meetings – 2003

**Games and Discrimination: Lessons from the Weakest Link**

University of Colorado, Denver – 2003

University of Colorado – 2003

**Locational Equilibrium Models**

University of California, Santa Barbara – 2002

**The Role of Optimizing Behavior in Willingness to Pay Estimates for Air Quality**

Camp Resources – 1999

Econometrics Society Winter Meetings - 2000

ASSA Meetings - 2000

Triangle Econometrics Conference – 1999

**Testing the Effects of Permit Structure on the Willingness of Firms to Invest in Pollution Abatement**

Air and Waste Management Association – 1999