

Frank Goetzke, Ph.D.

*Department of Urban and Public Affairs
University of Louisville
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ACADEMIC POSITIONS:

Associate Professor, School of Urban and Public Affairs, University of Louisville (since 2012).

Assistant Professor, School of Urban and Public Affairs, University of Louisville (2006 – 2012).

EDUCATION:

Ph.D. Economics, West Virginia University, Morgantown, WV, 2006.

Major Fields: Regional and Urban Economics, Resource and Environmental Economics.

Minor Field: Public Economics.

Dissertation Title: Network Effects and Spatial Autoregression in Mode Choice Models:
Three Essays in Urban Transportation Economics.

M.A. Energy and Environmental Analysis, Boston University, Boston, MA, 1996.

B.A. Political Science and Biology, University of Bremen, Germany, 1991 (with honors).

RESEARCH EXPERIENCE:

Co-investigator (sabbatical), Ifo Institute for Economic Research, Munich, participating in the German Federal Ministry of Education and Research project “The Energy Policy Turnaround Caught Between Regionalization and Centralization.” (12/2013 – 7/2015).

Dahrendorf Visiting Fellow, Mercator Research Institute on Global Commons and Climate Change, Berlin, Germany (7/2013 – 8/2013).

Co-investigator, Ifo Institute for Economic Research, Munich, participating in the German Federal Ministry of Education and Research project “Innovations in the Environmental Sector: Knowledge Spillovers and its Economic Effects.” (6/2010 – 7/2011).

CESifo Visiting Researcher, Ifo Institute for Economic Research - Regions, Environment and Transportation, Munich (6/2008 – 7/2008).

Guest Scholar, Ifo Institute for Economic Research - Regions, Environment and Transportation, Munich (6/2007 – 7/2007).

PREVIOUS POSITIONS:

Lecturer, University of Dayton, Economics and Civil Engineering Departments (1/2003 – 5/2004).

Travel Demand Modeler, SPK Engineering, Uniontown, PA (5/2005 – 7/2006).

Research Assistant, Harley O. Staggers National Transportation Center, West Virginia University, Morgantown, WV (1/2001 – 8/2004).

Cambridge Systematics, Cambridge, MA and Chicago, IL:

Transportation Consultant (6/2001 – 2/2002 and 6/2004 – 8/2004).

Senior Travel Demand Forecasting Modeler (8/1997 – 7/2000).

Intern (2/1996 – 7/1996).

Central Transportation Planning Staff/Metropolitan Planning Organization, Boston, MA:

Transit Planner (8/1996 – 7/1997).

Intern (5/1995 – 1/1996).

Social Worker:

Boarding School for children with disabilities (1994/95).

Halfway house for mentally-ill young adults (1992 – 1994).

Elderly people home (1991/92).

Home support for people with physical disabilities (1990/91).

TEACHING EXPERIENCE:

Undergraduate Courses: Principle of Microeconomics, Environmental and Resource Economics, Transportation Economics.

Graduate Courses: Economics for Public Affairs, Statistics for Public Affairs, Urban Economics, Regional Economic Development, Transportation Planning and Policy, Political Economy of Institutions.

ACADEMIC SERVICE:

Chair of the Curriculum Review Committee for the Master of Urban Planning program (2013).

Member of the Search Committee for the sustainability faculty position (2011/12).

Member of the University-wide Committee on Socially Responsible Investing (2010/11).

Member of the Search Committee for the Director of the Kentucky State Data Center (2009/10).

Member of the Department's Diversity Committee (since 2009).

Responsible for organizing the monthly Department's Speaker Seminar (since 2007).

Member of the Graduate Student Admission Committee (since 2007).

PROFESSIONAL SERVICE:

Guest Editor, Special Issue on Transportation and Social Interactions, *Transportation* (2015).

Lead-organizer for the 2013 International Workshop "Frontiers in Transportation/Social Interactions".

PUBLICATIONS:**MONOGRAPH:**

Koven, Steven G. and **Frank Goetzke**. 2010. *American Immigration Policy: Confronting the Nation's Challenges*. New York, NY: Springer Publishing.

BOOK CHAPTERS:

Weinberger, Rachel and **Frank Goetzke**. 2011. "Drivers of Auto Ownership: The Role of Past Experience and Peer Pressure," in: Lucas, Karen, Evelyn Blumenberg and Rachel Weinberger (Eds.). *AutoMotives? Understanding Car Use Behaviours*. Bingley, UK: Emerald Group Publishing, 121-135.

Goetzke, Frank and Patrick Andrade. 2010. "Walkability as a Summary Measure in a Spatially Autoregressive Mode Choice Model: An Instrumental Variable Approach," in: Páez, Antonio, Julie Le Gallo, Ron N. Buliung and Sandy Dall'Erba (Eds.). *Progress in Spatial Analysis: Methods and Applications*. New York, NY: Springer Publishing, 217-232.

PEER-REVIEWED ARTICLES:

- Goetzke, Frank** and Tilmann Rave (conditional accepted). "Explaining the Heterogeneity of Wind Energy Capacity across German Regions? A Pooled Regression Analysis." *Utility Policy*.
- [16] **Goetzke, Frank** and Tilmann Rave. 2015. "Regional Air Quality and Happiness in Germany." *International Regional Science Review* **38** (4), 437-451.
- [15] **Goetzke, Frank** and Tilmann Rave. 2015. "Automobile Access, Peer Effects and Happiness." *Transportation* **42** (5), 791-805.
- [14] **Goetzke, Frank**, Regine Gerike, Elenka Dugundji and Antonio Paez. 2015. "Social Interactions in Transportation: Analyzing Groups and Spatial Networks." *Transportation* **42** (5), 723-731.
- [13] **Goetzke, Frank** and Samia Islam. 2015. "Determinants of Seatbelt Use: Regression Analysis with FARS Data Corrected for Self-Selection." *Journal of Safety Research* **55**, 7-12.
- [12] Zhang, Sumei, **Frank Goetzke** and Eric Schneider. 2013. "Estimating Historic Population Data for Small Geographies Using Census Housing Information." *Journal of Population Research* **30** (4), 305-317.
- [11] Rave, Tilmann and **Frank Goetzke**. 2013. "Climate-friendly Technologies in the Mobile Air-conditioning Sector: A Patent Citation Analysis." *Environmental Economics and Policy Studies*, 15 (4), 389-422.
- [10] **Goetzke, Frank** and Tilmann Rave. 2013. "Migration in Germany: A Life Cycle Approach." *International Regional Science Review* **36** (2), 167-182.
- [9] **Goetzke, Frank** and Rachel Weinberger. 2012. "Separating Contextual from Endogenous Effects in Automobile Ownership Models." *Environment and Planning, Part A* **44** (5), 1032-1046.
- [8] **Goetzke, Frank**, Tilmann Rave and Ursula Triebswetter. 2012. "Diffusion of Environmental Technologies: A Patent Citation Analysis of Glass Melting and Glass Burners." *Environmental Economics and Policy Studies* **14** (2), 187-217.
- [7] **Goetzke, Frank** and Tilmann Rave. 2011. "Bicycle Use in Germany: Explaining Differences between Municipalities with Social Network Effects." *Urban Studies* **48** (2), 427-437.
- [6] Negrey, Cynthia, Jeffery L. Osgood and **Frank Goetzke**. 2011. "One Package at a Time: The

- Distributive World City.” *International Journal of Urban and Regional Research* **35** (4), 812-831.
- [5] Finney, Miles, **Frank Goetzke** and Mann Yoon. 2011. “Income Sorting and the Demand for Clean Air: Evidence from Southern California.” *Land Economics* **87** (1), 19-27.
- [4] Weinberger, Rachel and **Frank Goetzke**. 2010. “Unpacking Preference: How Previous Experience Affects Auto Ownership in the United States.” *Urban Studies* **47** (10), 2111-2128.
- [3] Islam, Samia and **Frank Goetzke**. 2009. “Correcting Sample Selection in FARS Data to Estimate Seatbelt Use.” *Journal of Safety Research* **40** (5), 389-93.
- [2] **Goetzke, Frank**. 2008. “Network Effects in Public Transit Use: Evidence from a Spatially Autoregressive Mode Choice Model for New York.” *Urban Studies* **45** (2), 407-417.
- [1] Koven, Steven G., **Frank Goetzke** and Michael Brennan. 2008. “Profiling Public Affairs Program – The View from the Top.” *Administration & Society* **40** (7), 691-710.

WORKING PAPERS AND OTHER PUBLICATIONS:

- Goetzke, Frank** and Tilmann Rave. 2015. “Explaining the Heterogeneity of Wind Energy Capacity across German Regions.” *GFS Working Papers No. 5*.
- Goetzke, Frank**. 2013. “CBE too risky!” *Yellow Springs News*, November 21st, 2013.
- Goetzke, Frank** and Rebecca Potter. 2013, “Manager or Mayor?” *Yellow Springs News*, October 3rd, 2013.
- Goetzke, Frank**. 2013. “Social Interactions and Social Learning in Transportation Behavior.” *Dahrendorf Symposium Paper Series*.
- Rave, Tilmann and **Frank Goetzke**. 2011. “Climate-friendly Technologies in the Mobile Air-conditioning Sector: A Patent Citation Analysis.” *Ifo Working Paper No. 99*.
- Rave, Tilmann, **Frank Goetzke** and Mario Larch. 2011. “The Determinants of Environmental Innovations and Patenting: Germany Reconsidered.” *Ifo Working Paper No. 97*.
- Goetzke, Frank** and Sumei Zhang. 2009. *Transportation Infrastructure and City Growth*. Report to the Kentucky Transportation Cabinet.
- Goetzke, Frank**. 2003. “Are Travel Demand Forecasting Models Biased Because of Uncorrected Spatial Autocorrelation?” *Regional Research Institute Working Paper 10-2003*.
- Ecker, Cassandra, Krechmer, Daniel, Grimm, Lewis, Hodge, Daniel and **Frank Goetzke**, 2001. *Federal Lands Alternative Transportation System Study – Congressional Report*.
- Okunieff, Paula E. and **Frank Goetzke**. 1998. “AVL Points the Way to Improved Bus Operations,” *Passenger Transport*, February 9th, 1998.
- Central Transportation Planning Staff. 1997. *1996 Fare-Mix Study. MBTA Heavy Rail, Light Rail, Bus, and Commuter Rail Service: Average Fares and Ridership*.

REFEREE:

Academic journals: *Computational and Mathematical Organization Theory, Economics Bulletin, Energy Economics, Environment and Planning A, Environment and Planning C, Geographical Analysis, International Journal of Urban and Regional Research, International Journal of Sustainable Transportation, International Migration Review, International Regional Science Review, Journal of Regional Science, Journal of Transport Geography, Papers in Regional Science, Regional Science and Urban Economics, Regional Studies, Review of Regional Studies, Transport Policy, Transportation, Transportation Research Part A, Transportation Research Part B, Urban Studies.*

Other: *National Science Foundation, Transportation Research Board, University of California Transportation Center.*

HONORS, AWARDS AND FUNDED RESEARCH:

Research contract with the Ifo Institute for Economic Research (40,000 Euros/\$55,000), German Federal Ministry for Education and Research project: “The Energy Policy Turnaround Caught Between Regionalization and Centralization.” 12/2013 – 6/2015.

Dahrendorf Visiting Fellow, Mercator Research Institute on Global Commons and Climate Change, Berlin, Germany, 2013.

DFG (German Research Foundation) grant for Frontiers in Transportation/Social Interactions Workshop (12,000 Euros/\$17,500), 2012.

Research contract with the Ifo Institute for Economic Research (20,000 Euros/\$28,000), German Federal Ministry for Education and Research project: “Innovations in the Environmental Sector: Knowledge Spillovers and its Economic Effects.” 6/2010 – 7/2011.

DAAD (German Academic Exchange Service) travel grant to Germany (6,600 Euros/\$9,000), 2011.

CESifo Visiting Researcher, Ifo Institute for Economic Research, 2008.

Kentucky Transportation Cabinet, Grant No. GB 080703 (\$46,995), 2008.

Guest Scholar, Ifo Institute for Economic Research, 2007.

Outstanding Student Award for the Mid-Atlantic Universities Transportation Center, 2007.

Dissertation Fellowship, Harley O. Staggers National Transportation Center, West Virginia University, Morgantown, WV, 2005/06.

Graduated with honors, University of Bremen, Germany, 1991.

PRESENTATIONS:

North American Regional Science Conference, Washington, D.C., November 2014.

Boise State University, Economics Department (invited), Boise, ID, November 2014.

RWI Institute for Economic Research (invited), Essen, Germany, April 2014.

Ifo Institute for Economic Research, Center for Energy, Climate and Exhaustible Resources (invited), Munich, Germany, December 2013.

University of Cincinnati, School of Planning (invited), Cincinnati, OH, October 2013.

Frontiers in Transportation/Social Interactions Workshop (invited), Munich, Germany, August 2013.

Mercator Research Institute on Global Commons and Climate Change (invited), Berlin, Germany, July 2013.

Kuhmo NECTAR Conference on Transportation Economics, Evanston, IL, July 2013.

North American Regional Science Conference, Ottawa, Canada, November 2012.

RAND (invited), Arlington, VA, January 2012.

Frontiers in Transportation/Social Interactions Workshop (invited), Niagara-on-the-Lake, Canada, October 2011.

International Society of Ecological Economics Conference, Oldenburg, Germany, August 2010.

Southern Regional Science Association Conference, Arlington, VA, March 2010.

Wright State University, Department of Economics (invited), Dayton, OH, February 2010.

Frontiers in Transportation/Social Interactions Workshop (invited), Niagara-on-the-Lake, Canada,

August 2009.
TRB Annual Meeting, Washington, D.C., January 2009.
Rethinking Transportation for a Sustainable Future (invited), Louisville, KY, October 2008.
TU Hamburg, Institute for Transportation Planning and Logistics (invited), Hamburg, Germany, June 2008.
Ohio State University, Department of City and Regional Planning (invited), Columbus, OH, February 2008.
North American Regional Science Conference, Savannah, GA, November 2007.
Center for Environmental Research/UFZ (invited), Leipzig, Germany, June 2007.
Southern Regional Science Conference, Charleston, SC, March 2007.
North American Regional Science Conference, Las Vegas, NV, November 2005.
University of Trier, Department of Geography/Regional Studies (invited), Trier, Germany, June 2005.
North American Regional Science Conference, Philadelphia, PA, November 2003.
Center for Environmental Research/UFZ (invited), Leipzig, Germany, June 2003.
Southern Regional Science Conference, Louisville, KY, April 2003.

THESIS COMMITTEE MEMBER:

Committee chair:

Sean Payne, Ph.D. in Urban and Public Affairs, University of Louisville, 2013.

Committee co-chair:

Julian Dieler, Ph.D. in Economics, University of Munich, Germany, 2016 (expected).

Vifill Karlsson, Ph.D. in Economics, University of Iceland, Reykjavik, 2012.

Paul Tirey, Ph.D. in Urban and Public Affairs, University of Louisville, 2008.

Committee member:

Ismaila Odogba, Ph.D. in Urban and Public Affairs, University of Louisville, 2009.

Ming Yin, Ph.D. in Urban and Public Affairs, University of Louisville, 2008.

Jian Sun, Ph.D. in Urban and Public Affairs, University of Louisville, 2007.

Committee outside reader:

Maryam Naghsh Nejad, Ph.D. in Economics, West Virginia University, 2013.

Carolyn Morgan, M.A. in Political Science, University of Louisville, 2010.

Paulina Diosdado De La Peña, M.S. in Civil and Environmental Engineering, West Virginia University, 2008.

COMPUTER SKILLS:

Stata, SAS, SPSS, Amos, RATS, GeoDa, SpaceStat, ArcGIS, TransCAD.

MEMBERSHIPS:

American Economic Association, German Economic Association (Verein für Socialpolitik), International Transportation Economics Association, Regional Science Association International, Southern Regional Science Association.