

Frank Goetzke, Ph.D.

*Department of Urban and Public Affairs
University of Louisville
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Louisville, KY 40208
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ACADEMIC POSITIONS:

Professor, School of Urban and Public Affairs, University of Louisville (since 2017).
Associate Professor, School of Urban and Public Affairs, University of Louisville (2012–2017).
Assistant Professor, School of Urban and Public Affairs, University of Louisville (2006–2012).

ACADEMIC 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).

ADDITIONAL TRAINING:

Psychoanalytic Training. Distance learning program of the Colorado Center for Modern Psychoanalytic Studies (since 2021).

Group Leadership. Certification program in psychodynamically-oriented group therapy of the Center for Group Studies (since 2018).

Professional Coaching. Adler Certified Program, Adler Institute, Toronto, ON (since 2016).

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:

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

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

Research Assistant, Harley O. Staggers National Transportation Center, West Virginia University, Morgantown, WV (2001 – 2003).

Cambridge Systematics, Cambridge, MA and Chicago, IL:

Transportation Consultant (2001).

Senior Travel Demand Forecasting Modeler (1997 – 2000).

Transportation Policy Intern (1996).

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

Transit Planner (1996 – 1997).

Transportation Planning Intern (1995 – 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 aid for people with physical disabilities (1990/91).

TEACHING EXPERIENCE:

Undergraduate Courses: Policy and Governance in Sustainability, Environmental and Resource Economics, Transportation Economics, Principle of Microeconomics, Urban Quantitative Methods.

Graduate Courses: Introduction to Sustainability, Environmental Policy, Political Economy of Local Institutions and Environmental Governance, Public Policy Analysis, Transportation Policy and Planning, Economics for Public Affairs, Urban Economics, Regional Economic Development, Statistics for Public Affairs, Introduction to Econometrics.

ACADEMIC SERVICE:

Alternate member of the Department's Personnel Committee (2018).

Alternate member of the Department's Personnel Committee (2015–2016).

Member of the Admission Committee for the Ph.D. of Urban Affairs (2015–2016).

Member of the Search Committee for the Urban Planning faculty position (2015).

Member 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 Department's Diversity Committee (2009–2015).

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

Responsible for organizing the monthly Department's Speaker Seminar (2007–2013).

Member of the Master of Urban Planning Admission Committee (since 2007–2013).

PROFESSIONAL SERVICE:

- Editorial Board Member, PLoS One Journal (since 2018).
- Member of the Conference Committee for the 57th Meeting of the Southern Regional Science Association (2018).
- Member of the award committee for the Barry M. Moriarty Graduate Paper Competition, Southern Regional Science Association (2017).
- Elected Council Member, Southern Regional Science Association (2016–2019).
- Guest Editor, Special Issue on Transportation and Social Interactions, *Transportation* (2015).
- Organizer for the International Workshop “Frontiers in Transportation/Social Interactions” (2013).

BUSINESS POSITIONS:

- Founder, Chief Financial Officer and Co-Chair of the Board**, The Ckoo Ckoo Company LLC (since 2020).

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'erna (Eds.). *Progress in Spatial Analysis: Methods and Applications*. New York, NY: Springer Publishing, 217–232.

PEER-REVIEWED ARTICLES:

- Shahbaz Altaf and **Frank Goetzke** (revise and resubmit). “State-Reinforced Self-Governance and Corruption – Evidence from a Neighborhood Water Utility Project in Faisalabad, Pakistan.” *Ecology and Society*.
- [24] Creutzig Felix, **Frank Goetzke**, Anjali Ramakrishnam, Anjali, Marina Andrijevic, Patricia Perkins. 2023. “Designing a Virtuous Cycle: Quality of Governance, Effective Climate Change Mitigation, and Just Outcomes Support Each Other.” *Global Environmental Change*, 82, 102726/
- [23] Marz, Waldemar and **Frank Goetzke**. 2022. “CAFE in the City – A Spatial Analysis of Fuel Economy Standards.” *Journal of Environmental Economics and Management*, 115, 102711.
- [22] **Goetzke, Frank** and Colin Vance. 2020. “An Increasing Gasoline Price Elasticity in the United States?” *Energy Economics*, 95, 104982.
- [21] Hankins, William B., **Frank Goetzke** and Gary A. Hoover. 2019. “Partisan Determinants of Federal Highway Grants.” *The Review of Regional Studies*, 49(2), 389-406.
- [20] Weinberger, Rachel and **Frank Goetzke**. 2019. “Automobile Ownership and Mode Choice: Learned or Instrumentally Rational?” *Travel Behaviour and Society* 16, 153-160.

- [19] Rave, Tilmann and **Frank Goetzke**. 2017. "Environmental Innovation Activities and Patenting: Germany Reconsidered." *Journal of Environmental Planning and Management* 60(7), 1214-1234.
- [18] **Goetzke, Frank** and Samia Islam. 2017. "Testing for Spatial Equilibrium Using Happiness Data." *Journal of Regional Science* 57(2), 199-217.
- [17] **Goetzke, Frank** and Tilmann Rave. 2016. "Exploring Heterogeneous Growth of Wind Energy across Germany." *Utilities Policy* 41, 193-205.
- [16] **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.
- [15] **Goetzke, Frank** and Tilmann Rave. 2015. "Automobile Access, Peer Effects and Happiness." *Transportation* 42(5), 791-805.
- [14] **Goetzke, Frank**, Regine Gerike, Elenna Dugundji and Antonio Paez. 2015. "Social Interactions in Transportation: Analyzing Groups and Spatial Networks." *Transportation* 42(5), 723-731.
- [13] **Goetzke, Frank** and Tilmann Rave. 2015. "Regional Air Quality and Happiness in Germany." *International Regional Science Review* 38(4), 437-451.
- [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 RESEARCH REPORTS:

- Marz, Waldemar and **Frank Goetzke**. 2018. "CAFE in the City – A Spatial Analysis of Fuel Economy Standards." *Ifo Working Paper, No. 292*.
- Goetzke, Frank** and Colin Vance. 2018. "Is Gasoline Price Elasticity in the United States Increasing? Evidence from the 2009 and 2017 National Household Travel Surveys." *RWI Working Paper, No. 765*.
- Goetzke, Frank**, Hankins, William B. and Gary A Hoover. 2017. "Partisan Determinants of Federal Highway Grants." *CESifo Working Paper, No. 6603*.
- Goetzke, Frank** and Tilmann Rave. 2015. "Explaining the Heterogeneity of Wind Energy Capacity across German Regions." *GFS Working Papers No. 5*.
- 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 9.
- Central Transportation Planning Staff. 1997. *1996 Fare-Mix Study. MBTA Heavy Rail, Light Rail, Bus, and Commuter Rail Service: Average Fares and Ridership*.

NEWS PUBLICATIONS AND MEDIA APPEARANCE:

- Goetzke, Frank**. 2018. "CBE too risky!" *Yellow Springs News*, November 21st, 2013.
- Goetzke, Frank**. 2018. "CBE too risky!" *Yellow Springs News*, November 21st, 2013.
- 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.

REFEREE:

Academic journals: Annals of Regional Science, Applied Geography, Computational and Mathematical Organization Theory, Ecological Economics, Economics Bulletin, Energy Economics, Environment and Planning Part A, Environment and Planning Part C, Finanzarchiv/Public Finance Analysis, Geographical Analysis, International Journal of Sustainable Transportation, International Journal of Urban and Regional Research, International Migration Review, International Regional Science Review, Journal of Environmental Planning and Management, Journal of Happiness Studies, Journal of Planning Education and Research, Journal of Regional Analysis and Policy, Journal of Regional Science, Journal of Transport and Land Use, Journal of Transport Economics and Policy, Journal of Transport Geography, Journal of Urban Planning and Development, Papers in Regional Science, PLoS ONE, Public Administration Review, Regional Science and Urban Economics, Regional

Studies, Review of Regional Studies, Spatial Economics Analysis, Safety Science, Sustainability, Transport Policy, Transportation, Transportation Research Part A, Transportation Research Part B, Transportation Research Record, Transportmetrica Part A, Utilities Policy, Urban Studies, Water Resources Research.

Other: Intergovernmental Panel on Climate Change (IPCC), German Federal Ministry of Education and Research, National Science Foundation, Transportation Research Board, University of California Transportation Center.

HONORS, AWARDS AND FUNDED RESEARCH:

German Marshall Fund of the United States Grant for Academic Exchange (research collaboration and travel) with the RWI Institute for Economic Research (together with Colin Vance), Essen, Germany 2022.

Fritz Thyssen Stiftung Research Grant (\$200,000): "From Dusk till Dieselgate: A Comparison of Mobility in Germany and the United States", with the RWI Institute for Economic Research (together with Colin Vance and Manuel Frondel), Essen, Germany 2018.

Fellow in the RWI Research Network, since 2016.

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.

RAND Cooperation (invited for a focus group), Arlington, VA, January 2012.

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, 2006.

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

PRESENTATIONS:

Workshop on the Ostrom Workshop 6, Bloomington, IN, June 2019.

Southern Regional Science Association Conference, Arlington, VA, March 2019.

North American Regional Science Conference, Vancouver, BC, November 2017.

RWI Institute for Economic Research (invited), Essen, Germany, May 2016.

International Society for Quality of Life Studies, Phoenix, AZ, October 2015.

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.
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:

Shahbaz Shahbaz, Ph.D. in Urban and Public Affairs, University of Louisville, 2021.
Matthew Fischer, Ph.D. in Urban and Public Affairs, University of Louisville, 2019.
Sean Payne, Ph.D. in Urban and Public Affairs, University of Louisville, 2013.

Committee co-chair:

Danielle Rohret, Ph.D. in Urban and Public Affairs, University of Louisville, expected 2023.
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:

Anqi Xu, Ph.D. in Urban and Public Affairs, University of Louisville, 2020.

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:

Carina Goldbach, Ph.D. Economics, Jacobs University, Germany, 2017.

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

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, NetLogo, GeoDa, ArcGIS, TransCAD.

MEMBERSHIPS:

German Economic Association (Verein für Socialpolitik), Southern Regional Science Association.