

## CURRICULUM VITAE

**PROF. COLIN VANCE, PhD**

### CONTACT INFORMATION

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### PROFESSIONAL EXPERIENCE

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since 2014 Deputy Director, Environment & Resources, at RWI – Leibniz-Institute for Economic Research, Essen

since 2006 Economist, Environment & Resources, at RWI – Leibniz-Institute for Economic Research, Essen

since 2016 Professor, Jacobs University

since 2009 Professor, Bremen International School of Social Sciences (BIGSSS)

since 2017 Member of the faculty of the Ruhr Graduate School in Economics

2003 – 2005 Economist, German Aerospace Center/ Deutsches Zentrum für Luft- und Raumfahrt (DLR), Berlin

2000 – 2003 Economist, U.S. Environmental Protection Agency (EPA), Washington D.C./ USA

1997 – 2000 Research Associate, George Perkins Marsh Institute der Clark University, Worcester/ USA

### EDUCATION

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2000 Ph.D., Economics,  
Clark University, Worcester, MA/ USA  
Dissertation topic: “Land-Use Change, Deforestation, and Peasant Farm Systems: A Case Study of Mexico’s Southern Yucatán Peninsular Region,” financed by the National Aeronautics and Space Administration (NASA)

1992 Bachelor of Arts, International Relations,  
Boston University, Boston, MA/ USA  
Graduated with honors Magna Cum Laude

1985 Semester abroad at Ruhr-Universität Bochum,  
Social Science, Bochum/ Deutschland

## PROJECTS

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- 2021 – 2025 “JUSTNature: Activation of Nature-Based Solutions for a Just Low Carbon Transition. European Commission – Horizon 2020.
- 2019 – 2023 “Human-Centric Energy Districts: Smart Value Generation by Building Efficiency and Energy Justice for Sustainable Living,” European Commission - MARIE SKŁODOWSKA-CURIE ACTIONS.
- 2019 – 2021 “Price formation on the futures market and the physical market for cocoa,” German Federal Ministry of Food and Agriculture (BMEL).
- 2018 – 2021 “Evaluating Germany’s Climate Mitigation and Adaptation Practice 2 (Eval-MAP2),” German Federal Ministry for Education and Research (BMBF).
- 2018 – 2021 “Deep Transformation Scenarios for Informing the Climate Policy Discourse (DIPOL) – WP3: Socio-Economic Implications of the Transformation Process,” German Federal Ministry of Education and Research (BMBF).
- 2009 – 2021 “Dynamische Technologie-Modellierung (Projekt A3)“ innerhalb des Sonderforschungsbereichs 823 „Statistik nichtlinearer dynamischer Prozesse,“ Deutsche Forschungsgemeinschaft (DFG).
- 2018 – 2021 “Direkte, Indirekte, Psychologische und Makroökonomische Rebound Effekte (License).“ German Federal Ministry of Education and Research (BMBF).
- 2017 – 2019 “From Dusk till Dieselgate: A Comparison of Mobility in Germany and the United States,” Fritz-Thyssen-Stiftung
- 2017 – 2018 Survey of fisher households under the auspices of the “Fish Forever” initiative, commissioned by *Rare*.
- 2015 – 2018 “Approaches for resource protection in a post-growth context (UBA),“ Deutsche Forschungsgemeinschaft (DFG).
- 2014 – 2017 “Contributing to the Coral Commons (Triple C),” Leibniz Association.
- 2013 – 2016 “Rebound-Effekte in NRW – mit besonderer Berücksichtigung von Effizienzsteigerungen in der Elektrizitätsnutzung sowie im Individualverkehr.“ Ministerium für Innovation, Wissenschaft und Forschung des Landes Nordrhein-Westfalen.
- 2012 – 2015 “Evaluating Climate Mitigation and Adaptation Policies: The Need for a Household Energy Consumption Panel (Eval-MAP),“ German Federal Ministry of Education and Research (BMBF).
- 2010 – 2013 “Die soziale Dimension des Rebound-Effekts (REBOUND)“, Teilvorhaben C: Ökonometrische Analysen zur sozialen Dimension des Rebound Effekt. German Federal Ministry of Education and Research (BMBF).
- 2009 – 2012 “Energieverbrauch der Privaten Haushalte in Deutschland (2006 bis 2010)“, German Federal Ministry of Economic Affairs and Energy (BMWi).
- 2008 – 2009 “Energieprognose 2009 für Deutschland“, German Federal Ministry of Economic Affairs and Energy (BMWi).
- 1997 – 2000 National Aeronautics and Space Administration, “Land-Cover and Land-Use Change in the Southern Yucatán Peninsula Region.” commissioned by Consortium of Clark University, Harvard University, and El Colegio de la Frontera Sur.

### Articles in refereed Journals

- Eilers, L., A. Paloyo, C. Vance (2021) Rental Prices in Germany: A Comparison Between Migrants and Natives. *Scottish Journal of Political Economy*, 2021;00:1–33.
- Frondel, M., C. Marggraf, S. Sommer, C. Vance (2021) Reducing Vehicle Cold Start Emissions through Carbon Pricing: Evidence from Germany. *Environmental Research Letters* 16(3): 034041.
- Goetzke, F., C. Vance (2021) An Increasing Gasoline Price Elasticity in the United States? *Energy Economics* 95: 104982.
- Sommer, S., C. Vance (2021) Do More Chargers Mean More Electric Cars? *Environmental Research Letters*, 16 (2021) 064092.
- Tomberg, L., K. Smith Stegen, C. Vance (2021) „The Mother of all Political Problems“? On Asylum Seekers and Elections. *European Journal of Political Economy* 67: 101981.
- Frondel, M., A. Gerster, C. Vance (2020) The Power of Mandatory Quality Disclosure: Evidence from the German Housing Market. *Journal of the Association of Environmental and Resource Economists* 7 (1): 181–208.
- Frondel, M., M. Horvath, C. Vance (2020) Increased Market Transparency in Germany's Gasoline Market: What about Rockets and Feathers? *Journal of Transport Economics and Policy* 54 (2): 102–120.
- Schlüter, A., S. Ferse, C. Vance (2020) Coral Reefs and the Slow Emergence of Institutional Structures for a Global Land- and Sear-Based Collective Dilemma. *Marine Policy*, 112 (February) 103505.
- M. Simora, M. Frondel, C. Vance (2020) Do Financial Incentives Increase the Acceptance of Power Lines? Evidence from Germany. *Regional Science and Urban Economics*, 85 (November): 103575.
- Behl, P., H. Dette, M. Frondel, C. Vance (2019) A Focused Information Criterion for Quantile Regression: Evidence for the Rebound Effect. *Quarterly Review of Economics and Finance* 71: 223–227.
- Frondel, M., S. Sommer, C. Vance (2019) Heterogeneity in Residential Electricity Consumption: A Quantile Regression. *Energy Policy* 131: 370–379.
- LeSage, J., Y. Chih, C. Vance (2019) Markov Chain Monte Carlo Estimation of Spatial Dynamic Panel Models for Large Samples. *Computational Statistics and Data Analysis*, 138: 107–125.
- Alashkar, F., Schemuth, H.P., Nensa, F., Göbel, J., Vance, C., Forsting, M., Dührsen, U., Schlosser, T.W. and Röth, A. (2018). The Role of Whole-Body Magnetic Resonance Imaging (WB-MRI) in Patients with Paroxysmal Nocturnal Hemoglobinuria (PNH). *Nature - Scientific Reports* 8 (1): 13458.
- Alashkar, F., S.N. Weber, C. Vance, D. Herich-Terhürne, U. Dührsen, F. Lammert, A. Röth (2018) Persisting Hyperbilirubinemia in Patients with PNH Cronically Treated with Eculizumab: The Role of Hepatocanicular Transporter Variants. *European Journal of Haematology*, forthcoming.
- Dütschke, E., M. Frondel, J. Schleich, C. Vance (2018) Moral Licensing – Another Source of Rebound? *Frontiers in Energy Research* 6 (38): 1–10.
- Frondel, M., C. Vance (2018) Drivers' Response to Fuel Taxes and Efficiency Standards: Evidence from Germany. *Transportation* 45 (3): 989–1001.
- Gallier, C., J. Langbein, C. Vance (2018) Non-binding restrictions, cooperation, and coral reef protection: Experimental evidence from Indonesian fishing communities. *Ecological Economics* 150: 62–71.
- Nelson, K., A. Schlüter, C. Vance (2018) Funding Conservation Locally: Insights from Behavioral Experiments in Indonesia. *Conservation Letters* 11 (2).
- Nelson, K.M., A. Schlüter, C. Vance (2018) Distributional Preferences and Donation Behavior among Marine Resource Users in Wakatobi, Indonesia. *Ocean & Coastal Management* 162: 34–45.
- Procher, V., N. Ritter, C. Vance (2018) Housework Allocation in Germany: The Role of Income and Gender Identity. *Social Science Quarterly* 99 (1): 43–61.

- Alashkar, F., C. Vance and other co-authors (2017) Serologic response to meningococcal vaccination in patients with paroxysmal nocturnal hemoglobinuria (PNH) chronically treated with the terminal complement inhibitor eculizumab. *Annals of Hematology* 96 (4):589-596.
- Andor, M.A., M. Frondel, C. Vance (2017) Mitigating Hypothetical Bias: Evidence on the Effects of Correctives from a Large Field Study. *Environmental and Resource Economics* 68 (3): 777-796.
- Andor, M., M. Frondel, C. Vance (2017) Germany's Energiewende: A tale of increasing costs and decreasing willingness-to-pay. *Energy Journal Special Issue #1 - Renewables and Diversification in Heavily Energy Subsidized Economics*: 211-228.
- Frondel, M., M. Martinez-Flores, C. Vance (2017) Heterogeneous Rebound Effects in Individual Mobility: Evidence from German Households. *Journal of Transport Economics and Policy* 51 (2): 95-114.
- Frondel, M., C. Vance (2017) Cycling on the Extensive and Intensive Margin – The Role of Paths and Prices. *Transportation Research Part A: Policy and Practice* 104: 21-31.
- Langbein, J., J. Peters, C. Vance (2017) Outdoor Cooking prevalence in developing countries and its implication for clean cooking policies. *Environmental Research Letters* 12 (11): 1-13.
- LeSage, J. P., C. Vance, Y. Chih (2017) A Bayesian Heterogeneous Coefficients Spatial Autoregressive Panel Data Model of Retail Fuel Price Rivalry. *Regional Science and Urban Economics* 62: 46-65.
- Nelson, K., A. Schlüter, C. Vance (2017) Funding Conservation Locally: Insights from Behavioral Experiments in Indonesia. *Conservation Letters*, May: <https://doi.org/10.1111/conl.12378>.
- Frondel, M., C.M. Schmidt, C. Vance (2016) Asymmetry: Resurrecting the Roots. *Quarterly Review of Economics and Finance* 60: 201-206.
- Frondel, M., C. Vance, A. Kihm (2016) Time Lags in the Pass-Through of Crude-Oil Prices: Big Data Evidence from the German Gasoline Market. *Applied Economics Letters* 23 (10): 713-717.
- Kihm, A., N. Ritter, C. Vance (2016) "Is the German retail gas market competitive? A spatial-temporal analysis using quantile regression" *Land Economics* 92 (4): 718-736.
- Kihm, A., C. Vance (2016) The determinants of equity transmission between the new and used car markets: A hedonic analysis. *Journal of the Operational Research Society* 67 (10): 1250-1258.
- Ritter, N., C.M. Schmidt, C. Vance (2016) Short-run fuel price responses: At the pump and on the road. *Energy Economics* 58: 67-76.
- Frondel, M., S. Sommer, C. Vance (2015) The Burden of Germany's Energy Transition: An Empirical Analysis of Distributional Effects. *Economic Analysis and Policy* 45: 89-99.
- Andor, M., M. Frondel, C. Vance (2014) Hypothetische Zahlungsbereitschaft für grünen Strom: Bekundete Präferenzen privater Haushalte für das Jahr 2013. *Perspektiven der Wirtschaftspolitik* 15 (4): 1-12.
- Frondel, M., C.M. Schmidt, C. Vance (2014) Revisiting Germany's Solar Cell Promotion: An Unfolding Disaster. *Economic Analysis and Policy* 44 (1): 3-13.
- Frondel, M., C. Vance (2014), More Pain at the Diesel Pump? An Econometric Comparison of Diesel and Petrol Price Elasticities. *Journal of Transport Economics and Policy* 48 (3):449-463.
- Paloyo, A.R., C. Vance, M. Vorell (2014) Local determinants of crime: Do military bases matter? *Demographic Research* 31 (22): 64-682.
- Peters, J., C. Strupat, C. Vance (2014) Television and Contraceptive Use – Panel Evidence from Rural Indonesia. *Journal of Development Studies* 50 (11): 1538-1549.
- Vance, C., N. Ritter (2014) Is Peace a Missing Value or a Zero? *Journal of Peace Research* 51 (4), 528-540.
- Frondel, M., C. Vance (2013) Re-Identifying the Rebound: What about Asymmetry? *The Energy Journal* 34: 43-54.

- Frondel, M., C. Vance (2013) Heterogeneity in the Effect of Home Energy Audits: Theory and Evidence. *Environmental and Resource Economics* 55: 407-418.
- Frondel, M., C. Vance (2013) Energy efficiency: Don't belittle the rebound effect (Letter to the editor). *Nature* February 28: 494.
- Frondel, M., C. Vance (2013) On Marginal and Interaction Effects: The Case of Heckit and Two-Part Models. *Journal of Economics and Statistics* 233: 22-38.
- Grösche, P. C.M. Schmidt, C. Vance (2013) Identifying Free-riding in Home-renovation Programs Using Revealed Preference Data. *Journal of Economics and Statistics* 223: 600-618.
- Keller, R., C. Vance (2013) Landscape Pattern and Car Use: Linking Household Data with Satellite Imagery. *Journal of Transport Geography* 33: 250-257.
- Procher, V., C. Vance (2013) Who does the shopping? German time-use evidence, 1996-2009. *Transportation Research Record* 2357: 125-133.
- Ritter, N., C. Vance (2013) Do Fewer People Mean Fewer Cars? Population Decline and Car Ownership in Germany. *Transportation Research Part A: Policy and Practice* 50: 74-85.
- Frondel, M., N. Ritter, C. Vance (2012) Heterogeneity in the Rebound Effect – Further Evidence for Germany. *Energy Economics* 34: 461-467.
- Frondel, M., C. Vance (2012) Interpreting the Outcomes of Two-Part Models. *Applied Economics Letters* 19: 987-992.
- Iovanna, R., C. Vance (2012) Land Conversion and Market Equilibrium: Insights from a Simulated Landscape. *Annals of Regional Science* 50: 169-184.
- Procher, V., C. Vance (2012) Heterogeneity in the Correlates of Motorized and Non-Motorized Travel in Germany: The Intervening Role of Gender. *Transportation Research Record* 2320: 72-79.
- Vance, C., M. Peistrup (2011) She's Got a Ticket to Ride: Gender and Public Transit Passes. *Transportation* 39: 1105-1119.
- Vance, C., N. Ritter (2011) The Phantom Menace of Omitted Variables: A Comment. *Conflict Management and Peace Science* 29: 233-238.
- Busch, C., C. Vance (2011) The Diffusion of Cattle Ranching and Deforestation: Prospects for a Hollow Frontier in Mexico's Yucatán. *Land Economics* 87: 682-698.
- Frondel, M., C.M. Schmidt, C. Vance (2011) A Regression on Climate Policy - The European Commission's Proposal to Reduce CO<sub>2</sub> Emissions from Transport. *Transportation Research Part A: Policy and Practice* 45: 1043-1051.
- Frondel, M., C. Vance (2011) Rarely Enjoyed? A Count Data Analysis of Ridership in Germany's Public Transport. *Transport Policy* 18 (2): 425-433.
- Peters, J., M. Sievert, C. Vance (2011) Impacts of Electricity Usage on Micro-enterprises in Peri-urban Ghana. *Journal of Social and Economic Policy* 8 (1): 55-70.
- Peters, J., C. Vance (2011) Rural Electrification and Fertility – Evidence from Côte d'Ivoire. *Journal of Development Studies* 47: 753-766.
- Peters, J., C. Vance, M. Harsdorff (2011) Grid Extension in Rural Benin: Micro-Manufacturers and the Electrification Trap. *World Development* 39: 773-783.
- Ritter, N., C. Vance (2011) The Determinants of Bicycle Helmet Use: Evidence from Germany. *Accident Analysis and Prevention* 43: 95-100.
- Frondel, M., N. Ritter, C.M. Schmidt, C. Vance (2010) Economic Impacts from the Promotion of Renewable Energy Technologies: The German Experience. *Energy Policy* 38: 4048-4056.

- Frondel, M., N. Ritter, C.M. Schmidt, C. Vance (2010) Die ökonomischen Wirkungen der Förderung Erneuerbarer Energien: Erfahrungen aus Deutschland. *Zeitschrift für Wirtschaftspolitik* 59 (2): 107-133.
- Frondel, M., C. Vance (2010) Driving for Fun? Comparing the Effect of Fuel Prices on Weekday and Weekend Fuel Consumption. *Energy Economics* 32 (1): 102-109.
- Frondel, M., C. Vance (2010) Fixed, Random, or Something in Between? –A Variant of Hausman’s Specification Test for Panel Data Estimators. *Economics Letters* 107: 27-329.
- Paloyo, A., C. Vance, M. Vorell (2010) The Regional Economic Effects of Military Base Realalignments and Closures in Germany. *Defence and Peace Economics* 21: 567-579.
- Frondel, M., C. Vance (2009) Do High Oil Prices Matter? Evidence on the Mobility Behavior of German Motorists. *Environmental and Resource Economics* 43: 81-94.
- Grösche, P., C. Vance (2009) Willingness-to-Pay for Energy Conservation and Free-Ridership on Subsidization. *The Energy Journal* 30: 135-154.
- Schmook, B., C. Vance (2009) Agricultural Policy, Missing Markets, and Deforestation: Evidence from Mexico’s Southern Yucatán. *World Development* 37: 1015-1025.
- Vance, C. (2009) Marginal Effects and Significance Testing with Heckman’s Sample Selection Model: A Methodological Note. *Applied Economics Letters* 16: 1415-1419.
- Vance, C., M. Mehlin (2009) Fuel Costs, Circulation Taxes, and Car Market Shares: Implications for Climate Policy. *Transportation Research Record* 2134: 31-36.
- Frondel, M., Peters, J., C. Vance (2008) Identifying the Rebound: Evidence from a German Household Panel. *The Energy Journal* 29 (4): 154-163.
- Vance, C., R. Hedel (2008) On the Link between Urban Form and Automobile Use: Evidence from German Survey Data. *Land Economics* 84: 51-65.
- Vance, C., R. Iovanna (2008) Cities and satellites: Spatial Effects and Unobserved Heterogeneity in the Modeling of Urban Growth. *Transportation Research Record* 2077: 87-96.
- Iovanna, R., C. Vance (2007) Modeling of Continuous-time Land Cover Change Using Satellite Imagery: An Application from North Carolina. *Journal of Land Use Science* 2: 147-166.
- Vance, C., R. Hedel (2007) The Impact of Urban Form on Automobile Travel: Disentangling Causation from Correlation. *Transportation* 34: 575-588.
- Vance, C., R. Iovanna (2007) Gender and the Automobile: An Analysis on Non-work Service Trips. *Transportation Research Record* 2013: 54-61.
- Vance, C., R. Iovanna (2006) Analyzing Spatial Hierarchies in Remotely Sensed Data: Insights from a Multilevel Model of Tropical Deforestation. *Land Use Policy* 23: 226-236.

### **Contributions to collected volumes**

- Frondel, M., J. Peters, C. Vance (2008) Fuel Efficiency and Automobile Travel in Germany: Don’t Forget the Rebound Effect!, in S. Sorrell and B. Horrace (Hgs.), *Energy Efficiency and Sustainable Consumption: The Rebound Effect*. Palgrave Macmillan.
- Nobis, C., B. Lenz, C. Vance (2005) Communication and Travel Behavior: Two Facets of Human Activity Patterns, in Harry Timmermans (editor), *Progress in Activity-Based Analysis*. Elsevier, 471-488.
- Geoghegan, J., L. Schneider, C. Vance (2004) Spatially Explicit, Statistical Land-Change Models in Data-Poor Conditions, in B.L. Turner II, Jacqueline Geoghegan and David R. Foster (Hgs.), *Integrated Land-Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. Oxford University Press, 247-270.
- Vance, C. (2004) The Semi-Market and Semi-Subsistence Household: The Evidence and Test of Smallholder Behavior in the Region, in B.L. Turner II, Jacqueline Geoghegan and David R. Foster (Hgs.), *Integrated Land-*



*Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. Oxford University Press, 221-243.

Vance, C., P. Klepeis, B. Schmook, E. Keys (2004) The Ejido Household: The Current Agent of Change, in B.L. Turner II, Jacqueline Geoghegan and David R. Foster (Hgs.), *Integrated Land-Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. Oxford University Press, 171-187.

Klepeis, P., C. Vance, E. Keys, P.M. Mendoza (2004) Subsistence Sustained: Swidden or Milpa Cultivation, in B.L. Turner II, Jacqueline Geoghegan and David R. Foster (Hgs.), *Integrated Land-Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. Oxford University Press, 189-206.

## CONFERENCE AND SEMINAR PRESENTATIONS

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- 2021 100<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), virtual
- 2020 99<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Charged Up: The Effect of Charging Infrastructure on the Uptake of Electric Vehicles  
25<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (EAERE), virtual  
The Impact of Charging Infrastructure on the Uptake of Electric Vehicles.
- 2019 98<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Is Gasoline Price Elasticity in the United States Increasing?: Evidence from the 2009 and 2017 National Household Travel Surveys
- 2018 97<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Rockets and Feathers in the German Gasoline Market: An Obituary  
41<sup>st</sup> IAEE International Conference (IAEE), Groningen/ NL
- 2017 96<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Bicycling on the Extensive and Intensive Margin: The Role of Paths and Prices
- 2016 95<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Linked to Landscape: Assessing Landscape Pattern and Economic Determinants of Land Use Change in Germany  
Car Ownership and the Rebound: Selection Bias Correction Based on Multinomial Logit Model  
VfS-Jahrestagung 2016, Augsburg/ Germany  
The Power of Mandatory Quality Disclosure: Evidence from the German Housing Market
- 2015 94<sup>th</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Do Major Brands Have Market Power in German Retail Gas Market?  
Impact of Fuel Economy and Branding on Car Depreciation  
Conference on Verkehrsökonomik und -politik, Berlin/ Germany  
The impact of fuel economy on car depreciation: A hedonic analysis  
VfS-Jahrestagung 2015 "Ökonomische Entwicklung - Theorie und Politik", Münster/ Germany  
From fuel taxation to efficiency standards: A wrong turn in European climate protection?
- 2014 93<sup>rd</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Consumer Fuel Price Responsiveness: The Long and the Short of it.
- 2013 92<sup>nd</sup> Annual Meeting of the Transportation Research Board (TRB), Washington D.C./ USA  
Who Does the Shopping? German Time-Use Evidence, 1996-2009
- 2012 International Association of Energy Economists 2012 (IAEE), Venice/ Italy  
Re-Identifying the Rebound: What About Asymmetry
- 2012 European Association of Environmental and Resource Economists 2012 (EAERE), Prague/ Czech Republic,

- Future Pain at the Diesel Pump? Potential Effects of the European Commission's Energy Taxation Proposal
- 2012 Transportation Research Board 91th Annual Meeting, Washington D.C./ USA  
Procher, V. and C. Vance, Heterogeneity in the Correlates of Motorized and Non-Motorized Travel in Germany: The Intervening Role of Gender.
- 2011 Transportation Research Board 90th Annual Meeting, Washington D.C./USA  
Ritter, N. and C. Vance, The Determinants of Bicycle Helmet Use: Evidence from Germany.
- 2010 Fourth World Congress of Environmental and Resource Economists Montreal/ Canada  
Busch, C. and C. Vance, The Diffusion of Cattle Ranching, Deforestation, and Prospects for a Hollow Frontier in Mexico's Yucatán.
- 2010 Transportation Research Board 89th Annual Meeting, Washington D.C./ USA  
Vance, C. and M. Peistrup, She's Got a Ticket to Ride: Gender and Public Transit Passes.
- 2009 Transportation Research Board 88th Annual Meeting, Washington D.C./ USA  
Vance, C. and M. Mehlin, Fuel Costs, Circulation Taxes, and Car Market Shares: Implications for Climate Policy.
- 2008 16<sup>th</sup> Annual Conference, European Association of Environmental and Resource Economists, Gothenburg/ Sweden,  
Schmook, B. and C. Vance, Structural reform and deforestation in Mexico: An econometric analysis of agricultural household data.
- 2008 International Association for Energy Economics International Conference, Istanbul/ Turkey  
Peters, J. and C. Vance, Rural electrification and fertility: Evidence from Côte D'Ivoire.  
Frondel, M. and C. Vance, Do high oil prices matter? Evidence on the mobility behavior of German households.  
Frondel, M., P. Grösche, and C. Vance, Heterogeneity in the effect of home energy audits: Theory and evidence.
- 2008 Transportation Research Board 87th Annual Meeting, Washington D.C./ USA  
Vance, C. and R. Iovanna (2008), Cities and satellites: Spatial effects and unobserved heterogeneity in the modeling of urban growth.
- 2007 Conference on the Science and Education of Land Use: A Transatlantic, Multidisciplinary and Comparative Approach, Washington D.C./ USA,  
Iovanna, R. and C. Vance, Market clearing in an empirical model of conversion.
- 2007 9th International Association for Energy Economics European Conference, Florence/ Italy  
Frondel, M, J. Peters, and C. Vance, Identifying the rebound: Theoretical issues and empirical evidence from a German household panel.
- 2007 9th International Association for Energy Economics European Conference, Florence/ Italy  
Grösche, P. and C. Vance, Energy conservation in the residential sector: Are informed households more likely to renovate?
- 2007 Transportation Research Board 86th Annual Meeting, Washington D.C./ USA  
Vance, C. and R. Iovanna, Gender and the automobile: An analysis of non-work service trips.
- 2007 Transportation Research Board 86th Annual Meeting, Washington D.C. / USA  
Hedel, R. and C. Vance, The impact of urban form on automobile travel: Disentangling causation from correlation.
- 2006 Conference on Sustainable Resource Management, Raw Materials Security, Factor-X Resource Productivity - tools for delivering sustainable growth in the European Union, Bruges/ Belgium,



- Frondel, M, J. Peters, and C. Vance, Fuel efficiency standards and the rebound effect: a panel analysis of German travel survey data.
- 2006 Third World Congress of Environmental and Resource Economists, Kyoto/ Japan  
Vance, C. and R. Hedel, Is there a link between urban form and automobile use in Germany? Evidence from a selectivity model.
- 2006 First Workshop of the EARSeL Special Interest Group on Urban Remote Sensing “Challenges and Solutions,” Berlin/ Deutschland,  
Vance, C. and R. Iovanna, Survival Analysis and Satellite Imagery: A Temporal-Spatial Approach to the Modeling of Urbanization.

### Invited Presentations (selection)

- 2019 Federal Ministry of Transport and Digital Infrastructure: Benzinpreiselastizitäten: Unterschiede zwischen Stadt und Land? Eine Analyse auf Grundlage der Daten des Deutschen Mobilitätspanels. (Auftaktveranstaltung “Verkehr in Zahlen”)
- 2013 TU Dortmund: Fuel taxes versus Efficiency Standards – an Instrumental Variable Approach, TU Dortmund, 25. November.
- 2012 University Paris-Dauphine, Centre of Geopolitics of Energy and Raw Materials (CGEMP -): Lessons from the German power turnaround.
- 2012 Ontario Power Perspectives. CI Energy Group, Toronto: Germany’s Renewable Energy Act. Ontario Power Perspectives. CI Energy Group, Toronto, 16-17 April
- 2010 University of Stirling  
Vance, C. (2010), The European Commission’s Legislation on Automobile Emissions: A Regression on Climate Change?
- 2010 Jacobs University  
Vance, C. (2010), Economic Impacts from the Promotion of Renewable Energy Technologies: The German Experience. EMBA Program in European Utility Management.
- 2008 Jahreskolloquium: Die Europäische Union als Akteur der Weltordnungspolitik, Heidelberg  
Vance, C. (2008), Die Sicherheit der Versorgung mit Rohstoffen aus der Sicht der Europäischen Union.

### TEACHING EXPERIENCE

- since 07.2009 Professor at Jacobs University & Bremen International School of Social Sciences (BIGSSS)
- lecture: “Econometrics”
  - seminar: “Energy Economics”
  - “Environmental & Resource Economics”
  - seminar: „Logic of Comparative Research“
  - lecture: „Macroeconomics“
  - lecture: „Microeconomics“
  - “Sustainable Energy Policy”
  - “Topics in Advanced Regression Analysis”
- 2008 – 2009 Ruhr Graduate School (RGS), Essen  
lecturer seminar, “Advanced Methods in Applied Econometrics”
- 2003 – 2004 Technical University Berlin, Berlin  
lecturer: “Grundlagen und Rahmenbedingungen von Verkehrssystemen: Verkehrswirtschaft und Verkehrspolitik”

1997 – 2000 Clark University, Worcester/ USA  
George Perkins Marsh Institute  
lecturer seminars: “Development Economics” und “International Economics”

## DISSERTATION COMMITTEES

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Katie Nelson, Contributions to coral commons: Experiments in giving, Jacobs University 2018  
Carina Goldbach, Linking environmental change, preferences and migration in coastal areas of Ghana and Indonesia, Jacobs University, 2017  
Philipp Riegebauer, Connecting the heat and electricity market for renewable energy integration, 2016  
Rose Keller, Place Predictors of Human Environmental Impact: Explaining Regional Environmental Impact Dynamics, Bremen International Graduate School of Social Sciences, 2014  
Alexander Kihm, DISCO: DISaggregate Car Ownership, Jacobs University, 2014  
Nolan Ritter, Mobility in Germany – car dependency, safety and fuel elasticities, Ruhr-Universität Bochum, 2012  
Markus Stronzik, The European Natural Gas Sector – Between Regulation and Competition, Jacobs University, 2012

## OTHER COMMITTEES

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2014 Reviewer Committee for the 37<sup>th</sup> IAEE International Conference in New York City  
International Association for Energy Economics  
2014 Scientific Programme Committee of the European Conference on Data Analysis (ECDA) in Bremen  
2013 Planning committee for the 13<sup>th</sup> European IAEE Conference in Düsseldorf  
International Association for Energy Economics  
2013 Committee chair for the Student Best Paper Award, International Association for Energy Economics

## REFEREEING (SELECTION)

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Annals of the Association of American Geographers	Journal of Environmental Management
Agricultural Economics	Journal of Risk and Insurance
Ecological Economics	Journal of Sustainable Transportation
European Economic Review	Journal of Transport Economics
The Energy Journal	Land Economics
Energy Policy	Regional Environmental Change
Environmental and Resource Economics	Transportation Research Part A: Policy and Practice
Environmental Management	Transportation Research Record
German Economic Review	World Development
International Journal of Environment and Pollution	

## AWARDS AND HONORS

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2018	USAEE/IAEE 2017 Best Paper Award Working Paper, International Association for Energy Economics for the manuscript “Germany’s Energiewende: A Tale of Increasing Costs and Decreasing Willingness-to-pay”
2012	USAEE/IAEE 2011 Best Working Paper Award, International Association for Energy Economics for the manuscript “Re-Identifying the Rebound: What About Asymmetry?”
2011	Publication Award 2010, 3 <sup>rd</sup> place, awarded by the Friends and Sponsors of RWI for the article “Fixed, Random, or Something in Between? A Variant of Hausman’s Specification Test for Panel Data Estimators” co-author Manuel Frondel
2010	Publication Award 2009, 2 <sup>nd</sup> place, awarded by the Friends and Sponsors of RWI for the article “Do high oil prices matter? Evidence on the mobility behavior of German households” (co-author Manuel Frondel)
2009	Publication Award 2008, awarded by the Friends and Sponsors of RWI (co-author Manuel Frondel)
1993 – 2000	University Studentship at Clark University

## LANGUAGE PROFICIENCY

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English:	Native Language
German:	Fluent in written and spoken
Spanish:	Basic Knowledge