



## Curriculum Vitae

# Stefan Hubrich

Dr.-Ing. (Ph.D.)

Technische Universität Dresden  
"Friedrich List" Faculty of Transportation and Traffic Sciences  
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### AREAS OF RESEARCH

- Methodology of Household Travel Surveys (HTS)
- Conception, organisation, implementation, and evaluation of mobility surveys
- Statistical data analysis and interpretation of empirical data
- Sustainable Urban Mobility Plans (SUMP)
- Planning and design of urban streets

### ACADEMIC CAREER

**12/2017–present**

Senior Researcher  
Chair of Integrated Transport Planning and Traffic Engineering  
Technische Universität Dresden

**11/2017**

Ph.D. (Doctor of Engineering, Dr.-Ing.)  
"Friedrich List" Faculty of Transportation and Traffic Sciences  
Technische Universität Dresden  
Ph.D. thesis: Causes for Error and Willingness to Participate in Household Travel Surveys

**09/2015–11/2017**

Assistant Researcher  
Chair of Integrated Transport Planning and Traffic Engineering  
Technische Universität Dresden

**04/2008–08/2015**

Assistant Researcher  
Chair of Transport and Infrastructure Planning  
Technische Universität Dresden

**04/2008**

Graduation in Engineering (Dipl.-Ing., comparable to the M.Sc.)  
"Friedrich List" Faculty of Transportation and Traffic Sciences  
Technische Universität Dresden  
Diploma thesis: Data Processing Concept for "Mobility in Cities – SrV 2008" (VSVI Young Talent Award 2008)

<b>10/2005–07/2006</b>	Study Abroad Politechnika Wroclawska (Technische Universität Wrocław, Poland)
<b>07/2004–02/2008</b>	Student Assistant Chair of Transport and Infrastructure Planning Technische Universität Dresden
<b>10/2001–04/2008</b>	Studies in Transportation Engineering Technische Universität Dresden Field of Transportation Planning and Traffic Engineering
<b>RESEARCH PROJECTS</b>	
<b>09/2018–present</b>	Travelviewer – Data for low-carbon sustainable transport systems (Funding institution: European Institute of Innovation and Technology Climate-KIC)
<b>02/2018–present</b>	Masterplan Campus Design TU Dresden (University Administration)
<b>08/2016–present</b>	Active Mobility: Improved quality of life in urban agglomerations (German Environment Agency)
<b>05/2016–present</b>	Mobility in Cities – SrV 2018 (Municipalities, transport companies, transport associations, German states)
<b>01/2016–present</b>	Research Information System (FIS) for Mobility and Transport: Content maintenance of the topics "Passenger Transport" and "Integrated Mobility in Cities and Rural Areas" (Federal Ministry of Transport and Digital Infrastructure)
<b>06/2015–05/2018</b>	CREATE – Congestion Reduction in Europe: Advancing Transport Efficiency (European Commission, Horizon 2020)
<b>03/2015–07/2017</b>	Second stage of the scientific monitoring of the car2go service in the City of Hamburg (Free and Hanseatic City of Hamburg)
<b>04/2011–12/2015</b>	Mobility in Cities – SrV 2013 (Municipalities, transport companies, transport associations, German states)
<b>03/2011–05/2014</b>	Central MeetBike – More sustainable transport in Central European cities through improved integrated bicycle promotion and international networking (European Regional Development Fund)
<b>02/2011–09/2012</b>	Scientific monitoring of the car2go service in the City of Hamburg – First stage: New user survey (Free and Hanseatic City of Hamburg)
<b>01/2011–11/2017</b>	Causes for Error and Willingness to Participate in Household Travel Surveys (Individual research, Ph.D.)
<b>06/2010–08/2010</b>	Travel behaviour of the residents of Mannheim in 2008 (City of Mannheim)
<b>01/2010–12/2010</b>	Transport effects of the demographic change in the cities of Dessau- Roßlau, Dresden, Erfurt, Leipzig, and Rostock (Municipalities)
<b>01/2010–11/2010</b>	Development of urban transport in the City of Leipzig from 1987 to 2008 (City of Leipzig)
<b>01/2010–04/2010</b>	Development of urban transport in the City of Frankfurt from 1998 to 2008 (City of Frankfurt am Main)
<b>07/2009–06/2015</b>	Research Information System (FIS) for Mobility, Transport, and Urban Development: Content maintenance (Federal Ministry of Transport, Building and Urban Development)
<b>02/2006–12/2010</b>	Mobility in Cities – SrV 2008 (Municipalities, transport companies, transport associations, German states)

03/2009–06/2013

Journal Articles  
(Peer Reviewed)

Journal Articles

## COMMITTEE WORK

German Road and Transportation Research Association (FGSV): Administration of the workshop group 1.1.9 and editing of the "Hinweise zur Verkehrsentwicklungsplanung" (Recommendations for Mobility Master Planning)

## PUBLICATIONS

Wittwer, R.; Gerike, R.; Hubrich, S. (2019): Peak-Car Phenomenon Revisited for Urban Areas: Microdata Analysis of Household Travel Surveys from Five European Capital Cities. *Transportation Research Record*, [doi:10.1177/0361198119835509](https://doi.org/10.1177/0361198119835509)

Hubrich, S.; Wittwer, R.; Gerike, R. (2018): Quality Indicator Set for Household Travel Surveys. *Transportation Research Procedia*, 33, 219–226, [doi:10.1016/j.trpro.2018.10.098](https://doi.org/10.1016/j.trpro.2018.10.098)

Wittwer, R.; Hubrich, S. (2018): Free-Floating Carsharing Experiences in German Metropolitan Areas. *Transportation Research Procedia*, 33, 323–33, [doi:10.1016/j.trpro.2018.10.109](https://doi.org/10.1016/j.trpro.2018.10.109)

Hubrich, S.; Wittwer, R.; Gerike, R. (2018): Household vs. Individual Survey Practices – Implications for Household Travel Survey Expenditures in Germany. *Transportation Research Procedia*, 32, 404–415, [doi:10.1016/j.trpro.2018.10.061](https://doi.org/10.1016/j.trpro.2018.10.061)

Wittwer, R.; Hubrich, S.; Wittig, S.; Gerike, R. (2018): Development of a New Method for Household Travel Survey Data Harmonisation. *Transportation Research Procedia*, 32, 597–606, [doi:10.1016/j.trpro.2018.10.017](https://doi.org/10.1016/j.trpro.2018.10.017)

Hubrich, S.; Wittwer, R. (2017): Effects of improvements to survey methods on data quality and precision – Methodological insights into the 10th wave of the cross-sectional household survey "Mobility in Cities – SrV". *Transportation Research Procedia*, 25, 2281–2291, [doi:10.1016/j.trpro.2017.05.436](https://doi.org/10.1016/j.trpro.2017.05.436)

Wittwer, R.; Hubrich, S. (2016): What happens beneath the surface? Evidence and insights into changes in urban travel behaviour in Germany. *Transportation Research Procedia*, 14, 4304–4313, [doi:10.1016/j.trpro.2016.05.352](https://doi.org/10.1016/j.trpro.2016.05.352)

Wittwer, R.; Hubrich, S. (2015): Nonresponse in household surveys: A survey of nonrespondents from the repeated cross-sectional study "Mobility in Cities – SrV" in Germany. In: *Transportation Research Procedia*, 11, 66–84, [doi:10.1016/j.trpro.2015.12.007](https://doi.org/10.1016/j.trpro.2015.12.007)

Hubrich, S.; Wittwer, R. (2014): Household or individual – Advantages and disadvantages of different interview selection strategies. *Procedia – Social and Behavioral Sciences*, 162, 439–448, [doi:10.1016/j.sbspro.2014.12.225](https://doi.org/10.1016/j.sbspro.2014.12.225)

Ahrens, G.-A.; Wittwer, R.; Hubrich, S. (2017): Auch flexibles Carsharing nutzt dem ÖPNV! Mittelbare Effekte aus mehr Multimodalität und geringerem PKW-Besitz. *Internationales Verkehrswesen*, 3/2017, 48–51

Ahrens, G.-A.; Hubrich, S.; Ließke, F.; Wittig, S.; Wittwer, R. (2015): Ergebnisse der Haushaltsbefragung „Mobilität in Städten – SrV 2013“. *Straßenverkehrstechnik*, 7/2015, 462–468

Ahrens, G.-A.; Hubrich, S.; Ließke, F.; Wittwer, R. (2010): Zuwachs des städtischen Autoverkehrs gestoppt!? *Straßenverkehrstechnik*, 12/2010, 769–777

## Book Contributions

Koszowski, C.; Gerike, R.; Hubrich, S.; Götschi, T.; Pohle, M.; Wittwer, R. (2019): Active Mobility: Bringing Together Transport Planning, Urban Planning, and Public Health. Müller, B.; Meyer, G. (Ed.): Towards User-Centric Transport in Europe. 149–171, [doi:10.1007/978-3-319-99756-8\\_11](https://doi.org/10.1007/978-3-319-99756-8_11)

Wittwer, R.; Gerike, R.; Hubrich, S.; Wittig, S. (2018): Peak-Car im Mobilitätsverhalten: Beobachtungen aus fünf europäischen Hauptstädten. Schönberger, J.; Nerlich, S. (Ed.): Grenzenlos(er) Verkehr!? 709–730, ISBN 978-3-00-059227-0

Ahrens, G.-A.; Hubrich, S.; Ließke, F.; Wittwer, R. (2012): Potenziale für autoarme Mobilität. Loose, W.; Glotz-Richter, M. (Hrsg.): Car-Sharing und ÖPNV – Entlastungspotenziale durch vernetzte Angebote. 117–136, ISBN 978-3-9406-8518-6

Ahrens, G.-A.; Hubrich, S. (2012): Mobilitätsmanagement – zentrales Element einer integrierten Verkehrsentwicklungsplanung. Stiewe, M.; Reutter, U. (Ed.): Mobilitätsmanagement. 30–48, ISBN 978-3-8375-0474-3

Ahrens, G.-A.; Hubrich, S.; Ließke, F.; Wittwer, R. (2011): Potenziale für autoarme Mobilität. Gies, J. (Ed.): Nachhaltige Mobilität – Kommunen trauen sich was. 99–116, ISBN 978-3-88118-499-1

## Books

Hubrich, S. (2017): Fehlereinflüsse und Teilnahmebereitschaft bei Haushaltsbefragungen zum Verkehrsverhalten (Causes for Error and Willingness to Participate in Household Travel Surveys). Institute of Transport Planning and Road Traffic, 18, [doi:10.25368/2018.1](https://doi.org/10.25368/2018.1)

Ahrens, G.-A.; Beckmann, K. J.; Fleischer, A.; Gertz, C.; Hubrich, S.; Jansen, U.; Kemming, H.; Kleinwächter, E.; Koch, M.; Koppen, G.-F.; Lorenz, K.; Meissner, A.; Nossowitz, U.; Ohm, D.; Ott, R.; Polzin, G.; Schnüll, R.; Thiemann-Linden, J.; Wagner, V.; Wassmuth, V. (2013): Hinweise zur Verkehrsentwicklungsplanung. German Road and Transportation Research Association (Ed.), ISBN 978-3-86446-058-6

## Selected Other Publications

Koszowski, C.; Gerike, R.; Hubrich, S.; Wittwer, R. (2018): Impact of the Built Environment on Active Mobility and Physical Activity. Poster presented at the Urban Transitions Global Summit 2018, Sitges (Spain), 25–27 November

Wittwer, R.; Hubrich, S.; Wittig, S.; Gerike, R. (2017): Time Series Analyses of Travel Behaviour for Five ‘Car-Peaked’ European Capital Cities: Methodological and Behavioural Insights. Proceedings of the ISCTSC 11th International Conference on Transport Survey Methods, Estérel (Quebec), 24–29 September

Ahrens, G.-A.; Wittwer, R.; Hubrich (2017): Wissenschaftliche Begleitung von car2go in Hamburg Auswertung der Nutzerbefragungen 2011 und 2016 (1. und 2. Stufe). Technical report. Free and Hanseatic City of Hamburg

Ahrens, G.-A.; Wittwer, R.; Hubrich, S.; Wittig, S.; Ließke, F. (2015): Sonderauswertung zum Forschungsprojekt „Mobilität in Städten – SrV 2013“: Städtevergleich. Technical report. Technische Universität Dresden

Ahrens, G.-A.; Hubrich, S.; Wittwer, R.; Ließke, F. (2015): Datenaufbereitung im Forschungsprojekt „Mobilität in Städten – SrV 2013“. Technical report. Technische Universität Dresden

Ahrens, G.-A.; Wittwer, R.; Hubrich, S.; Ließke, F. (2015): Nonresponse-Analyse und Gewichtung im Forschungsprojekt „Mobilität in Städten – SrV 2013“. Technical report. Technische Universität Dresden

Ahrens, G.-A.; Ließke, F.; Wittwer, R.; Hubrich, S.; Wittig, S. (2014): Methodenbericht zum Forschungsprojekt „Mobilität in Städten – SrV 2013“. Technical report. Technische Universität Dresden

Ahrens, G.-A.; Kabitzke, U.; Vincent, K; Hubrich, S.; Ließke, F. (2014): Travel Behaviour Survey and Modal Split Analysis for the Cities of Žilina, Prešov, Uherské Hradiště, Pardubice, Gdańsk and Tczew. Technical report. Technische Universität Dresden

Hubrich, S.; Wittwer, R. (2011): Household or Individual as Unit of Analysis? Consequences of different interview selection strategies concerning travel behaviour, using the example of the survey “Mobilität in Städten – SrV” (Mobility in Cities – SrV). Proceedings of the ISCTSC 9th International Conference on Transport Survey Methods, Termas de Puyehue (Chile), 13–18 November

## LECTURES

Koszowski, C.; Hubrich, S. (2019): Aktive Mobilität: Mehr Lebensqualität in Ballungsräumen – Vorstellung erster Ergebnisse. 49th Colloquium of Transport Planning and Ecology, Institute of Transport Planning and Road Traffic, Technische Universität Dresden, 9 January

Hubrich, S. (2018): Quality Indicator Set for Household Travel Surveys. XIII Congreso de Ingeniería del Transporte, Gijón (Spain), 7 Juni

Hubrich, S. (2017): Fehlereinflüsse und Teilnahmereitschaft bei Haushaltsbefragungen zum Verkehrsverhalten. "Friedrich List" Faculty of Transportation and Traffic Sciences, Technische Universität Dresden, 24 November

Hubrich, S. (2017): Household vs. Individual Survey Practices – Implications for Household Travel Survey Expenditures in Germany. ISCTSC 11th International Conference on Transport Survey Methods, Estérel (Québec), 25 September

Wittwer, R.; Hubrich, S. (2017): Methodological Issues of Household Travel Surveys. Workshop "e-FEKTA" (EU Cooperation Programme Saxony–Czech Republic), Dresden, 12 June

Hubrich, S. (2017): Qualitätssicherung bei Haushaltsbefragungen zum Verkehrsverhalten – Fehlereinflüsse und Teilnahmereitschaft, University of Kassel, 27 April

Hubrich, S. (2017): Das Methodenkonzept des SrV 2018 – Kontinuität und aktuelle Herausforderungen. Start conference for the research project “Mobility in Cities – SrV 2018”, Dresden, 6 March

Hubrich, S. (2016): Effects of improvements to survey methods on data quality and precision – Methodological insights into the 10th wave of the cross-sectional household survey “Mobility in Cities – SrV”. WCTR 14th World Conference on Transport Research, Shanghai (China), 11 July

Hubrich, S. (2016): Erkenntnisse der Auftraggeber- und Nutzerbefragung zum SrV 2013. Symposium “Mobility in Cities – Data for Planning”, Dresden, 31 May

Wittwer, R.; Hubrich, S. (2014): Nonresponse in household surveys: A survey of nonrespondents from the repeated cross-sectional study “Mobility in Cities – SrV” in Germany. ISCTSC 10th International Conference on Transport Survey Methods, Leura (Australia), 19 November

Hubrich, S. (2014): Die Kunst des Kontaktens – Methodik und Feldverlauf. Final conference for the research project “Mobility in Cities – SrV 2013”, Dresden, 10 November

Hubrich, S. (2014): Household or individual – Advantages and disadvantages of different interview selection strategies. XVIII Congreso Panamericano de Ingeniería de Tránsito Transporte y Logística, Santander (Spain), 12 June

Ließke, F.; Hubrich, S. (2014): Wer nicht fragt, der nicht gewinnt. Anforderungen, Methodik und Feldverlauf des Projektes „Mobilität in Städten – SrV 2013“. 39th Colloquium of Transport Planning and Ecology, Institute of Transport Planning and Road Traffic, Technische Universität Dresden, 29 January

Hubrich, S. (2013): Ansprache und Befragung telefonisch nicht direkt erreichbarer Haushalte. Methodik und Ergebnisse einer Vorstudie zur Erhebung „Mobilität in Städten – SrV 2013“. Conference of the Universities of Transportation and Traffic Sciences, Kappel am Albis (Switzerland), 30 September

Hubrich, S. (2012): Weniger Widerstand. Die methodische Weiterentwicklung des SrV-Konzeptes. Start conference for the 10th survey wave of the research project “Mobility in Cities – SrV 2013”, Dresden, 28 February

Hubrich, S. (2011): Das SrV aus Sicht der Auftraggeber – Ergebnisse der SrV-Nutzerbefragung 2010. Symposium “Mobility in Cities – Latest Trends and Survey Needs”, Dresden, 11 May

Hubrich, S. (2010): Zielgruppenspezifische Kombination unterschiedlicher Erhebungsmethoden zum Verkehrsverhalten. Conference of the Universities of Transportation and Traffic Sciences, Berlin, 20 September

## LANGUAGES

**German**

Native language

**English**

Very good (CEFR level C1)

**Polish**

Good (CEFR level B1)

## SKILLS

**Subject-Specific  
Software**

Certificate

- PTV VISUM, VISEVA and VISSIM

Good

- Autodesk AutoCAD
- IBM SPSS
- Microsoft Access und VBA

Basic

- IB&T card\_1, AKG Vestra
- ESRI ArcGIS

**Road Safety Audits**

Certification of basic skills for auditor qualification

28 April 2019