

Virginia Tech
School of Planning and International Affairs
1021 Prince Street, Room 223
Alexandria, VA 22314

Email: ralphbu@vt.edu
Phone: 703-706-8104

ACADEMIC POSITIONS

Virginia Tech, Urban Affairs and Planning Program, Assistant Professor, August 2008-

EDUCATION

Rutgers University, Edward J. Bloustein School of Planning and Public Policy, New Brunswick, NJ

PhD in Planning and Public Policy, 2003 – 2008

(Dissertation: “*Transport Policies, Travel Behavior, and Sustainability: A Comparison of Germany and the U.S.*” honored with the “*Barclay Gibbs Jones Award for Best Dissertation in Planning 2008*” by the Association of Collegiate Schools of Planning)

Graduate Certificate in Transportation Studies, 2004

Master of City and Regional Studies, 2002

University of Constance, Department of Public Policy and Management, Konstanz, Germany

Master of Public Policy and Management, 1997 - 2003 (German “Diplom”)

Sorbonne-Panthéon, Administration Économique, Paris, France, 2000-2001, *Exchange Student*

PEER REVIEWED PUBLICATIONS

Pucher, J. and **Buehler, R.** 2008. “Cycling for Everyone: Lessons from Northern Europe,” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2074, pp. 58-65.

Bassett, D., Pucher, J., **Buehler, R.**, Thompson, D., and Crouter, S. 2008. “Walking, Cycling, and Obesity Rates in Europe, North America and Australia,” *Journal of Physical Activity and Health (JPAH)*, Vol. 5, No. 6.

Pucher, J. and **Buehler, R.** 2008. “Making Cycling Irresistible: Lessons from the Netherlands, Denmark, and Germany,” *Transport Reviews*, Vol. 28, No. 4, pp.495-528.

Pucher, J. and **Buehler, R.** 2007. “At the Frontiers of Cycling: Policy Innovations in the Netherlands, Denmark, and Germany,” *World Transport Policy and Practice*, Vol. 13, No. 3, December 2007, pp. 8-57.

Schmidt, S. and **Buehler, R.** 2007. “The Planning Process in the U.S. and Germany: A Comparative Analysis,” *International Planning Studies*. Volume 12, Issue 1, pp. 55-75.

Pucher, J. and **Buehler, R.** 2007. “Sustainable Transport in Canadian Cities: Cycling Trends and Policies,” *Berkeley Planning Journal*. Volume 19, pp. 97-123.

Pucher, J. and **Buehler, R.** 2007. "Cycling Trends and Policies: Why Canada is so far Ahead," *PlanCanada*. Volume 47, Issue 1, pp. 13-19.

Pucher, J. and **Buehler, R.** 2006. "Why Canadians Cycle more than Americans: A Comparative Analysis of Bicycling Trends and Policies," *Transport Policy*, Vol. 13, No. 1, pp. 265-279.

Pucher, J. and **Buehler, R.** 2005. "Cycling Trends and Policies in Canadian Cities," *World Transport Policy and Practice*. Vol. 11, No. 1, pp. 43-61.

Pucher, J. and **Buehler, R.** 2005. "Transport Policy in Post-Communist Europe" In: Hensher, D., A. and Button, D. J. (eds.) 2005. *Handbooks in Transportation*. London: Elsevier, pp. 725-743.

OTHER PUBLICATIONS

Buehler R. and Nobis, C. 2008. *Determinants of Travel Behavior in Ageing Societies: A Comparison of Germany and the U.S.* Presented at "Impact of Changing Demographics on the Transportation System Conference", Keck Center of the National Academies, Transportation Research Board, Washington, D.C. Conference Proceedings (based on peer reviewed abstract).

Buehler, R. and Lovrien, N. 2007. *Using National Travel Data in State Energy Master Planning: Gaps and Opportunities in National Transportation Data.* (peer-reviewed conference proceedings). Transportation Research Board annual meeting, Washington, D.C.

Buehler, R. and Kunert, U. 2007. *Trends and Determinants of Travel Behavior in Germany and the USA.* Interim Report to the German Federal Ministry of Transport (170 pages).

Buehler, R. 2006. "Making Urban Transportation Sustainable", Book Review, In: *Journal of the American Planning Association*. Vol. 11.3, pp. 370-371.

Buehler, R. 2003. "Urban Development in Mega-Cities in Developing Countries", *KOPS*, Konstanz.

PRESENTATIONS

Buehler, R. forthcoming. *Determinants of Car Use: A Comparison of Germany and the U.S.* Transportation Research Board annual meeting, Washington, D.C. (based on peer-reviewed paper)

Buehler, R. forthcoming. *Promoting Public Transportation: A Comparison of Transit Passengers and Policies in Germany and the U.S.* Transportation Research Board annual meeting, Washington, D.C. (based on peer-reviewed paper)

Buehler R. and Nobis, C. 2008. *Determinants of Travel Behavior in Ageing Societies: A Comparison of Germany and the U.S.* Presented at "Impact of Changing Demographics on the Transportation System Conference", Keck Center of the National Academies, Transportation Research Board, Washington, D.C., October 27-28 2008.

Buehler, R. 2008. *Towards More Sustainable Transportation: Do Policies Matter?* American Collegiate Schools of Planning (ACSP) conference, Chicago, Il. (based on peer-reviewed abstract)

Pucher, J. and **Buehler, R.** 2008. *Cycling for Everyone: Lessons from Northern Europe*. Transportation Research Board annual meeting, Washington, D.C. (based on peer-reviewed paper)

Buehler, R. and Lovrien, N. 2008. *Using National Travel Data in State Energy Master Planning: Gaps and Opportunities in National Transportation Data*. Transportation Research Board annual meeting, Washington, D.C. (based on peer-reviewed paper)

Buehler, R. and Kunert, U. 2007. *Trends and Determinants of Travel Behavior in Germany and the USA*. Given for the German Federal Ministry of Transport, Bonn and Berlin (video-conference).

Buehler, R. 2007. *Promoting Public Transit in Face of Increasing Suburbanization*. American Collegiate Schools of Planning (ACSP) conference, Milwaukee, WI. (based on peer-reviewed abstract)

Buehler, R. 2007. *Spatial Development Patterns, Land Use, and Travel Behavior in Germany and the U.S.* Urban Affairs Association, 37th Annual Meeting, Seattle, WA. (based on peer-reviewed abstract)

Buehler, R. 2007. *Behavior-Targeted Taxes in Germany*. Poster at the Annual Conference of the American Planning Association (APA), Philadelphia, PA. (based on peer-reviewed abstract)

Schmidt, S. and **Buehler, R.** 2006. *Land Use Planning in Germany and the U.S.* American Collegiate Schools of Planning (ACSP) conference, Fort Worth, TX. (based on peer-reviewed abstract)

Buehler, R. 2006. *Transportation Trends and Policies in Germany since Reunification*. American Collegiate Schools of Planning (ACSP) conference, Fort Worth, TX. (based on peer-reviewed abstract)

Buehler, R. and Pucher, J. 2005. *Cycling Trends and Policies in American and Canadian Cities*. American Collegiate Schools of Planning (ACSP) conference, Kansas City, MO. (based on peer-reviewed abstract)

Buehler, R. 2005. *Urban Transportation in Germany: The Cases of Munich and Berlin*. Given for Transit for Livable Communities (TLC), St. Paul, MN.

Buehler, R. 2005. *Cycling Trends and Policies in Canadian Cities*. Bloustein School Ph.D. Mini Conference. New Brunswick, New Jersey.

Pucher J. and **Buehler, R.** 2004. *Promoting Safe Walking and Cycling to Improve Public Health: Lessons from Germany and the Netherlands*. Given for: *City of Ottawa* – Department of Demand Management; *City of Toronto* – The Toronto Cycling Committee; *Community Bicycle Network*, Toronto; and *Transportation Alternatives*, New York City.

Various guest lectures on *Sustainable Transport* and *Urban Transportation in Europe and North America* in graduate and undergraduate classes at Rutgers University.

TEACHING EXPERIENCE

Bloustein School Graduate Student Teaching Excellence Award, 2007

Lecturer (Courses Taught), Rutgers University, Planning and Public Policy

- *Transportation Planning*, spring 2007
- *Research Methods*, spring 2006, summer 2006 & 2007
- *Toolbox for Transport Policy and Planning*, summer 2005, 2006 & 2007
- *Principles of Urban Planning (with Jeremy Nemeth)*, fall 2006
- *Urban Transportation Policy*, spring 2006

Teaching Assistant, Rutgers University, Urban Planning and Public Policy

- *Transport Policy, spring 2007*
- *Research Methods, fall 2005*
- *Advanced Quantitative Methods: Discrete Choice Methods, spring 2005*
- *Methods of Planning Analysis, fall 2004 and spring 2005*

Teaching Assistant, Constance University, Germany, Public Policy and Management

- *Introduction to Management, spring 2000 & 2002*

Tutor

- *Environmental Economics and Policy, and Discrete Choice Methods, spring 2005*

RELEVANT RESEARCH EXPERIENCE

University Transportation Research Center II, Rutgers University, Virginia Tech: Analysis of Bicycling Trends and Policies in Large American Cities, CO-PI, 2009-

Thunderhead Alliance, Research Consultant, 2006 – 2007 & 2008-

- *Consulting and data analysis for a project connecting walking and cycling to public health in U.S. cities and States; funded by U.S. Centers for Disease Control and Prevention (CDC).*

German Institute of Economic Research, (DIW), CO-PI, 2006 - present

- *Analyzing and explaining differences and similarities in travel behavior in Germany and the U.S.*

Rutgers University, Bloustein School, Professor John Pucher, Research Assistant, 2003 – present

- *Cycling in European countries and the U.S.*
- *Research on cycling policy and trends in Canadian Cities*
- *Urban transportation in North America and Europe*
- *Active transportation and obesity in Europe and North America*
- *Urban transportation and motorization in Eastern Europe since the 1990s*

Alan M. Voorhees Transportation Center, Research Assistant, 2003 - 2006

- *Freight Transportation Center of Excellence*
- *Customer-Based Performance Assessment in the U.S. Transit Industry*
- *DBOM Procurement Techniques for Light Rail Projects in the U.S.*
- *Home Zones in Europe and the U.S.*
- *Pedestrian Scale Lighting and Safety in New Jersey*

ACADEMIC AND COMMUNITY SERVICE

- Transportation Research Board, ANF 20 Bicycling Committee, Member, 2006–present
- Transportation Research Board, Paper Reviewer, 2006-present
- Journal of Planning Education and Research, Paper Reviewer, 2008-
- Search committee for new tenure track faculty position at the Bloustein School, 2004–2005
- Social service, caring for elderly people, in Germany, 1996–1997

PROFESSIONAL AFFILIATIONS

- Transportation Research Board; American Planning Association; German Transport Science Association

AWARDS AND HONORS

- Association of Collegiate Schools of Planning (ACSP) “Barclay Gibbs Jones Award for Best Dissertation in Planning”, 2008
- Journal of Planning Education and Research (JPER) Writing Workshop, Participant, 2008
- Association of Collegiate Schools of Planning (ACSP) Student Conference Travel Award, 2008
- Bloustein School “Susan S. Fainstein Distinguished Doctoral Scholarship Award”, 2008
- Federal Transit Administration / Transport Coordinating Council Fellowship, 2007–2008
- Bloustein School “Rose Teaching Excellence Award”, 2006-2007
- Federal Highway Administration “Eisenhower Transportation Fellowship”, 2006–2007
- ENO Foundation “Transportation Fellow”, 2005
- Rutgers University Tuition, 2003 – 2008
- Rutgers University Teaching Assistantships, 2004–2006
- Rutgers University Pre-dissertation Research Fellowship, 2004
- Five Bloustein School and Rutgers University Conference Travel Awards, 2005–2007
- Rutgers University Graduate Excellence Fellowship, 2003–2004
- University of Constance, Ranked 2nd in Masters Graduating Class of 82 students, 2003
- German Academic Exchange Service (DAAD) Fellowship & Tuition, 2001–2002
- German Academic Exchange Service (DAAD) Stipend, 1999–2000

GRANTS AND SPONSORED RESEARCH PROJECTS

<u>Title Sponsor(s)</u>	<u>Period</u>	<u>My Role / Task</u>	<u>Total</u>
Analysis of Bicycling Trends and Policies in Large American Cities: Lessons for New York <i>University Transportation Research Center Region II, Rutgers University, Virginia Tech</i>	2009 - 2010	CO-PI	\$100,000
Differences and Similarities in Travel Behavior in Germany and the U.S. <i>German Federal Ministry of Transport, Brookings Institution, Bloustein School</i>	2006 - 2007	CO-PI / <i>My task</i> : literature review, analysis of trends, multivariate analysis and synthesis	\$80,000
Benchmarking Cycling and Walking in the US <i>Thunderhead Alliance and Centers for Disease Control, Institute of Transport Engineers</i>	2007	Consultant / <i>My task</i> : identifying data sources, reviewing of data collection tool and drafts for content	\$100,000
Cycling in Canadian Cities <i>Canadian Federal Government</i>	2005 - 2006	CO-PI / <i>My task</i> : data collection, in-person interviews with cycling experts in Canada, data analysis	\$7,500
Freight Transportation Center of Excellence, Feasibility Study <i>Rutgers University</i>	2006	RA, assistant to PI	\$160,000
Customer Based Performance Assessment in the U.S. Transit Industry <i>Clean Air Council, Penn Foundation</i>	2003 - 2004	CO-PI / <i>My task</i> : literature review; in-person meetings; attend focus groups	\$15,000
DBOM Procurement Techniques for Light Rail Projects in the U.S. <i>New Jersey Transit</i>	2004	RA / <i>My task</i> : literature review on privatization and private public partnerships in the public transport industry	\$15,000
Home Zones in Europe and the U.S. <i>Federal Highway Administration</i>	2004	RA / <i>My tasks</i> : literature review, proofing of drafts	\$10,000
Pedestrian Scale Lighting in New Jersey <i>Federal Highway Administration</i>	2004-2005	RA / <i>My tasks</i> : data collection, literature review	\$10,000
<u>Total</u>			<u>\$497,500</u>