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**Hendrik Wolff**

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## **AFFILIATIONS**

Professor of Environmental Economics, London School of Economics and Political Science (LSE), since 2022  
Professor of Economics, Simon Fraser University, Department of Economics, since 2020  
Associate Professor, Simon Fraser University, Department of Economics, 2016 - 2020  
Assistant Professor of Economics, University of Washington, Department of Economics, 2007-2016  
Associate, Grantham Research Institute on Climate Change and the Environment, LSE, since 2022  
Fellow of the CESifo Research Network, since January 2019  
CESifo Research Network Affiliate, 2011-2019  
IZA Research Fellow, since 2010  
IZA Research Affiliate, March 2007-April 2010  
Core Faculty, Center for Environmental Politics, since 2014  
Member of AURÖ - Scientific Society of German-speaking Environmental and Resource Economists, since 2014  
Faculty Affiliate, Center for Studies in Demography and Ecology, University of Washington, since 2010  
Visiting Professor at Resources for the Future, Washington DC, 2012  
Visiting Professor at University of Cologne, Germany, 2011  
Visiting Professor at Ludwig Maximilian University, Munich, 2011  
Visiting Professor at IZA, Bonn, 2009, 2011, 2013  
Arthur J. Gresh Faculty Career Development Fellow, 2007-2010

## **EDUCATION**

Ph.D. University of California, Berkeley, Agricultural and Resource Economics, May 2007  
Dissertation Committee: Max Auffhammer (Co-Chair) & Michael Hanemann (Co-Chair) &  
Guido Imbens (Member) & Enrico Moretti (Member) & David Zilberman (Member)  
M.Sc. University of California, Berkeley, Agricultural and Resource Economics, December 2004  
M.Sc. (*Diplom Ing. Agr.*) University of Bonn, Germany, Agricultural Engineering, December 2000  
B.A. (*Vordiplom*) University of Göttingen, Germany, Agricultural Engineering, September 1997

## **CURRENT EDITORIAL POSITIONS**

Co-Editor, *Journal of Environmental Economics and Management*, since January 2015  
Editorial Council, *Journal of the Association of Environmental and Resource Economists* (JAERE), since 2014

## REFEREED JOURNAL ARTICLES

Deven Azevedo, Hendrik **Wolff**, Akio Yamazaki (*forthcoming*). Do Carbon Taxes Kill Jobs?: Firm-level Evidence from British Columbia, *Climate Change Economics*.

Tanya Hayes, Felipe Murtinho, Hendrik **Wolff**, María Fernanda López-Sandoval, and Joel Salazar (2021). "Effectiveness of payment for ecosystem services after loss and uncertainty of compensation", *Nature Sustainability*, November, pp.1-8.

Muxin Zhai and Hendrik **Wolff** (2021): Air Pollution and Urban Road Transport: Evidence from the World's Largest Low Emission Zone in London. *Environmental Economics and Policy Studies*. March 2021, pp. 1-28.

Reid Johnsen, Jacob LaRiviere and Hendrik **Wolff** (2019): "Fracking, Coal and Air Quality", *Journal of the Association of Environmental and Resource Economists*. September Issue, Vol.6(5), pp. 1001-1037.

Tanya Hayes, Felipe Murtinho and Hendrik **Wolff** (2017): "The Impact of Payments for Environmental Services on Communal Lands: An analysis of the factors driving household land-use behavior in Ecuador", *World Development*, Vol. 93(5), pp. 427-446.

Hendrik **Wolff** (2016): "Imposing and Testing for Shape Restrictions in Flexible Parametric Models", *Econometric Reviews*. Vol. 35(6), pp. 1013-1039.

David Albouy, Walter Graf, Ryan Kellogg and Hendrik **Wolff** (2016): "Climate Amenities, Climate Change and American Quality of Life". *Journal of the Association of Environmental and Resource Economists*, Vol. 3(1). pp. 205-246.

Shamma Adeb Alam and Hendrik **Wolff** (2016): "Do Pesticide Sellers Make Farmers Sick? Information Sources, Health, and Adoption of Technology in Bangladesh". *Journal of Agricultural and Resource Economics*, Vol. 41(1), pp. 62-80.

Jacob LaRiviere and Hendrik **Wolff** (2015): "The Power of the Little Blue Pill: Innovations and Implications of Life Style Drugs in an Aging Population", *Economic Inquiry*, Vol. 53(1), pp. 540-556.

Tanya Hayes, Felipe Murtinho and Hendrik **Wolff** (2015): "An institutional analysis of Payment for Environmental Services on collectively managed lands in Ecuador", *Ecological Economics*, Vol. 118, pp. 81-89.

Hendrik **Wolff** (2014) "Keep Your Clunker in the Suburb: Low Emission Zones and Adoption of Green Vehicles", *Economic Journal*, Vol. 124(578), pp. F481-F512.

Jennifer Alix-Garcia and Hendrik **Wolff** (2014): Payment for Ecosystem Services from Forests. *Annual Review of Resource Economics*, Vol. 6, pp. 361-380.

Hendrik **Wolff** (2014) "Value of Time: Speeding Behavior and Gas Prices", *Journal of Environmental Economics and Management*, Vol. 67(1), pp. 71-88.

Kari Edison Watkins and Hendrik **Wolff** (2013): Analysis of Heterogeneous Speeding Behavior. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2375, pp. 29-36. Doi: 10.3141/2375-04.

Hendrik **Wolff**, Howard Chong and Maximilian Auffhammer (2011): "Classification, Detection and Consequences of Data Error: Evidence from the Human Development Index", *Economic Journal*, Vol. 121(June), pp.843-870.

Alan Fuchs and Hendrik **Wolff** (2011): "Concept and Unintended Consequences of Weather Index Insurance: The Case of Mexico", *American Journal of Agricultural Economics* 93(2), pp. 505-511.

Hendrik **Wolff**, Thomas Heckeley and Ron C. Mittelhammer (2010): "Imposing Curvature and Monotonicity on Flexible Functional Forms". *Computational Economics*, 36(4), pp. 309-339.

Hendrik **Wolff** and Lisa Perry (2010): "Trends in Clean Air Legislation in Europe: Particulate Matter and Low Emission Zones". *Review of Environmental Economics and Policy*. 4(2), pp. 293-308.

Ryan Kellogg and Hendrik **Wolff** (2008): "Daylight Time and Energy: Evidence from an Australian Experiment", *Journal of Environmental Economics and Management*, 56, pp. 207-20, lead article. Recipient of the 2009 JEEM best paper award.

Hendrik **Wolff** and Pablo Villalobos Mateluna (2004): "Willingness to Pay for Clean Air in Chile." *Ecosostenible*, 61(6), pp. 42-48. In Spanish. English version presented at *Econometric Society Meeting, Sao Paulo*, 2002.

- Wolfgang Britz, Thomas Heckelei and Hendrik **Wolff** (2003): “Symmetric Positive Equilibrium Problem: A framework for rationalizing economic behavior with limited information: Comment.” *American Journal of Agricultural Economics*, 85(4).
- Thomas Heckelei and Hendrik **Wolff** (2003): “Estimation of constrained optimisation models for agricultural supply analysis based on generalised maximum entropy.” *European Review of Agricultural Economics*. 30(1), pp. 27-50.
- Uwe Latacz-Lohmann, Guido Recke and Hendrik **Wolff** (2001): “Determinants to Switch from Conventional to Biological Farming and the Concept of Path Dependence.” *German Journal of Agricultural Economics*, 50(7), pp. 433-438.
- Hendrik **Wolff** and Guido Recke (2000): “Path Dependence and Implementation Strategies for Integrated Pest Management.” *Quarterly Journal of International Agriculture*, 39(2), pp. 149-171.

## BOOK CHAPTERS AND OTHER PUBLICATIONS

- Hendrik **Wolff** (2019): An Open Data Architecture for the New Mobility Industry, TransLink, Vancouver 2019.
- Deven Azevedo, Hendrik **Wolff**, Akio Yamazaki (2019): Do Carbon Taxes Kill Jobs? New Evidence of “Job Shifting”, Guest Blog, Smart Prosperity Institute.
- Hendrik **Wolff** *et al.* (2019): Air Pollution in Mongolia: Opportunities for further Actions, Public Expenditure Review. UNDP. Published September 18, 2019.
- Catherine Mckenna *et al.* (2017): *Clean Energy Strategy and Climate Change Forum*. Special Addendum to the China Council for International Cooperation on Environment and Development (CCICED) AGM Report.
- Note: Catherine Mckenna is the Minister of the Environment, Canada.*
- Hendrik **Wolff** and Torben Jensen (2017): The Video Method: Empowering and Controlling Learning Environments in a Predominantly ESL (English as a second Language) Classroom. Institute for the Study of Teaching and Learning in the Disciplines.
- Alan Fuchs and Hendrik **Wolff** (2016): “Drought and Retribution: Evidence from a Large-Scale Rainfall-Indexed Insurance Program in Mexico”. *World Bank Policy Research Working Papers*, <https://doi.org/10.1596/1813-9450-7565>, Vol. 41(1), pp. 62–80.
- Hendrik **Wolff** (2014): ‘Low Emission Zones’: Incentives to switch to green vehicles produce big health benefits, *Royal Economic Society Media Briefings*.
- Hendrik **Wolff** (2014): Low-Emission-Zones reduce fine dust pollution in German cities. June 2, 2014, *IZA News Room*.
- Hendrik **Wolff** (2014): Umweltzonen verbessern Luftqualität in deutschen Städten, June 25, 2014, *IZA News Room*.
- Carlos Arruda, Jihad Azour, Chong-en Bai, Timothy Besley, Dong-Sung Cho, Sergei Guriev, Huguette Labelle, Jean Pierre Landau, Arun Maira and Trevor Manuel and Hendrik **Wolff** (2013): Independent Panel Review of the Doing Business Report. The World Bank. Washington D.C.
- Hendrik **Wolff**, Howard Chong, and Maximilian Auffhammer (2011): The Questionable Reliability of International Statistics: Evidence from the Human Development Index. *Royal Economic Society Media Briefings*, June 2011.
- Julie Wroblewski and Hendrik **Wolff** (2010): Risks to Agribusiness Investment in Sub-Saharan Africa. Evans School Policy Analysis and Research Group, EPAR Paper 57, Report for the Bill & Melinda Gates Foundation.
- Katherine Killebrew and Hendrik **Wolff** (2010): Environmental Impacts of Agricultural Technologies. Evans School Policy Analysis and Research Group, EPAR Paper 65, Report for the Bill & Melinda Gates Foundation.
- Hendrik **Wolff** (2010): Agricultural Policy Information Systems: Measuring Impacts on Markets via Mathematical Programming Models, General Equilibrium Models and Econometrics. In Villalobos, P., A. Engler, and H. Rojas: *Regulatory Impacts and International Quality Standards of Food Quality in Chile*. University of Talca. In Spanish, ISBN: 978-956-329-007-3.

*Note: Hernan Rojas and Pablo Villalobos are the Minister and Vice Minister of the Ministry of Agriculture of Chile, Proud to be in their book :)*

Hendrik **Wolff** (2007): Testing Simulation and Structural Models with Applications to Energy Demand. PhD Dissertation, Publication Number 3275653. ProQuest Dissertations & Theses. Chicago.

Thomas Heckelei and Hendrik **Wolff** (2002): “Ansätze zur (Auf-)Lösung eines alten Methodenstreits: Ökonometrische Spezifikation von Programmierungs-modellen zur Agrarangebotsanalyse“. In: Brockmeier, M., F. Isermeyer and S. v. Cramon Taubadel: *Liberalisierung des Weltagrarhandels*. Münster-Hiltrup, 37, pp. 377-388.

Recke, G., U. Latacz-Lohmann and H. **Wolff** (2002): “Pfadabhängigkeit und Umstellung auf ökologischen Landbau - eine empirische Studie“. In: Brockmeier, M., F. Isermeyer and S. v. Cramon Taubadel: *Liberalisierung des Weltagrarhandels*. Münster-Hiltrup, 37, pp. 503-508.

Pablo Villalobos Mateluna and Hendrik **Wolff** (2002): Disposición a Pagar para un Fondo de Protección Ambiental en Zonas Rurales de Chile - Concepto y Aplicación. Conference 7° Encuentro Científico sobre el Medio Ambiente "El Circulo Virtuoso del Desarrollo Sustentable" 28 al 30 de Mayo 2002

Sander, R., W. Britz, T. Heckelei and H. **Wolff** (2000): “Die Veränderung der regionalen Wettbewerbsfähigkeit der Ölsaaten- und Getreideproduktion unter dem Einfluß der GAP 1992 - Analyse auf Grundlage einer EU-weiten, regionalisierten Datenbasis“. In: V. Alvensleben, R., Koester, U. and C. Langbehn: *Wettbewerbsfähigkeit und Unternehmertum in der Land- und Ernährungswirtschaft*, 36, pp. 21-28, Münster-Hiltrup.

Hendrik **Wolff** (1999): “Economics of Tomato Production with special Reference to Aspects of Plant Protection: A Case Study of Two Tomato Production Systems in Brong-Ahafo Region, Ghana.” CD included with two Scenario Programmes, Ghanaian-German Project for Integrated Crop Protection, GTZ, Eschborn. 131 pages.

## SUBMITTED WORKING PAPERS

“Sweet Home Alabama: Externalities of America’s toughest Immigration Law”, with Eric Adebayo (submitted).

“Does Daylight Saving Time Burn Fat? Time Allocation with Continuous Activities”. Revision requested at *Economica*, with M. Makino.

## WORK IN PROGRESS

“Antitrust Policy in the Digital Age: Open Data Architecture for the New Mobility Industry”

“Bike sharing, bike infrastructure and congestion - Evidence from NYC’s Citibike”, with Stefanie Braun and Stephen Rouse

“Autonomous Vehicles, Quality of Life and City Development”

“Choking behind the Wheel: The Effect of Air Pollution on Vehicle Accidents”, with Maximilian Auffhammer and Maoyong Fan.

“Nuclear Economics: Placement Decisions and Valuation of Amenities”, with Skylar Olsen.

“Electricity Theft in India”, with Wahid Abdallah

“Traffic Accidents and Congestion Externalities: Evidence from California" with Shanjun Li.

## HONORS

*Economic Policy Advisor to Chinese Government: Member of CCICED 2017, the high level advisory board of the Chinese Government on Environmental and Energy Policy (other members are Ministers of the Environment, CEOs of multinational companies)*

*Appointed by the President of the World Bank. Dr. Jim Kim, to serve as a member of the Independent Panel (to evaluate the Doing Business Project by World Bank), 2012-2013*

*Member of the Committee of Reviewers for the National Research Council to review the U.S. Government Concept and Measurement of "Sustainability", 2012*

*2009 Ralph C d'Arge and Allen V. Kneese Award for Outstanding Publication in the Journal of Environmental Economics and Management*

*Fleishhacker Foundation and UC Berkeley Financial Award, 2004-2005*

*Scholarships: German Academic Exchange Service (DAAD), 2002-2003*

*Most Original Masters Thesis of the year 1999, Göttingen University, Faculty of Agricultural Sciences, 1999*

## RESEARCH GRANTS (APPROVED)

*Revolutionizing the MaaS (Mobility as a Service) Industry in Greater Vancouver, TransLink New Mobility Research, 2020-2021, C\$43,000.*

*The Effects of Multi-modal Trips on Ride-hailing and Public Transit, Social Sciences & Humanities Research Council of Canada (SSHRC) SFU/SSHRC Small Research Grant Proposal # 23717, 2019-2021, C\$7,000.*

*A Framework for Aggregators Apps, TransLink New Mobility Research, 2018-2019, C\$50,000.*

*Carbon Taxes and Competitiveness: Firm Level Evidence from British Columbia, Smart Prosperity Institute, 2019-2020, C\$40,000.*

*What happens when Payments Stop? Collective Resource Management under the Rise and Fall of Payment for Environmental Services, National Science Foundation (NSF), with T. Hayes and F. Murtinho, 2017-2020, \$500,000 USD.*

*Fracking, Natural Gas, Coal and Air pollution: an Integrated Assessment, Social Sciences & Humanities Research Council of Canada (SSHRC) ORS Proposal: 20586, 2017-2021, C\$131,667.*

*Do Carbon Taxes Kill Jobs: Evidence of Heterogenous Impacts from British Columbia, Smart Prosperity Institute, 2017-2018, C\$28,200.*

*The Video Method: Empowering and Controlling Learning Environments in a Predominantly ESL (English as a second Language) Classroom. Institute for the Study of Teaching and Learning in the Disciplines Grant, 2016-2017, C\$5,000.*

*Influence of Economic Incentives on Common-Property Forest Management: Rural Decision Making in the Context of REDD+, National Science Foundation (NSF) research grant No. 1156271, with T. Hayes and F. Murtinho, 2012-2015, \$450,000.*

*Are Energy and Capital Substitutes or Complements? Center for Statistics and Social Sciences (CSSS), one-year research grant, \$24,765. 2011-2012.*

*Air Pollution in Europe, Royalty Research Fund, one-year research grant, \$40,000. 2008-2009.*

*Cross Regional Learning from Disaster Experiences, National Science Foundation (NSF), with M. Hanemann et al., 2006-2010, \$749,446*

*Fighting over Aid: The Endogenous Choice of Development Indicators, Institute on Global Conflict and Cooperation (IGGC) one-year research grant in development economics, with M. Auffhammer, 2006-2007, \$20,000.*

## POPULAR MEDIA

My work on Energy Economics and Energy Policy has been discussed in press e.g.: Newsweek (June 2022), Seattle Times (August 2015), Seattle Post Intelligencer (October 2008) and on various Pacific Northwest radio shows.

My work on Ride Hailing and Mobility as a Service has been discussed on Radio, i.e. Interview with CBC News on September 5, 2019 and also discussed in News outlets such as in *Daily Hive*, January 21, 2019, and the *Vancouver Sun*, August 6 and August 10.

Our work of the *Economic Policy Advisory Board* to the Chinese Government (CCICED) has been discussed on news channels worldwide. I contributed with several interviews to Chinese News Channels, December 9-11, 2017.

My work on the Volkswagen Emission Scandal has been discussed in *Wall Street Journal*, p.1-2, Jan 9, 2016

Our work on the “Independent Panel” of the World Bank to review the *Doing Business* project has been discussed in the *Financial Times*, *The Economist* and the *Wall Street Journal* among others, October 2012 to June 2013.

The paper “Classification, Detection and Consequences of Data Error: Evidence from the HDI” has been discussed in *The Economist*, printed version, January 8<sup>th</sup> 2011 as well as discussed in letters to the Editor by the UN. Also discussed in the *Wall Street Journal* in 2015, page 2.

The paper “Daylight Time and Energy: Evidence from an Australian Experiment” has been discussed

- on TV e.g.: ABC News (U.S. national), Bloomberg TV (U.S. national), KTVU/Fox (California), Channel 5 (California).
- on Radio e.g.: CBC (Canada national), CBS (USA), KQED (California), KGO (California).
- in press e.g.: *Wall Street Journal*, *Chicago Tribune*, *U.S. News*, *Federal Reserve Bank*, *Guardian* (UK), *National Geographic*.

Our work on Agricultural Commodity Prices has been discussed

- in press e.g.: *The Seattle Times* (April 2008).
- various Pacific Northwest Radio stations.

## PROFESSIONAL REVIEW ACTIVITIES

**Economic Journals:** *American Journal of Agricultural Economics*, *American Economic Review*, *Applied Econometrics*, *B.E. Journal of Economic Analysis & Policy*, *Canadian Journal of Economics*, *Economic Journal*, *Energy Journal*, *Environment and Resource Economics*, *Empirical Economics*, *European Economic Review*, *European Review of Agricultural Economics*, *Economic Modeling*, *Journal of Agricultural Economics*, *Journal of Development Economics*, *Journal of Economic Dynamics and Control*, *Journal of Environmental Economics and Management* (Co-Editor since 2015), *Journal of Housing Economics*, *Journal of Productivity Analysis*, *Journal of Political Economy*, *Journal of Public Economics*, *Journal of the Association of Environmental and Resource Economists* (Member of the Editorial Council since 2014), *Journal of Urban Economics*, *Land Economics*, *Quarterly Journal of Economics*, *Resource and Energy Economics*, *Tourism Economics*.

**Interdisciplinary Journals:** *Science*, *Nature*, *Nature Climate Change*, *African Journal of Agricultural Research*, *Ecosystem Services*, *International Regional Science Review*, *Quarterly Journal of International Agriculture*

**Grants:** *National Science Foundation: Reviewer of multiple CAREER grants in Division of Social and Economics Sciences*, *National Science Foundation: Reviewer of grants in SBE*, *National Science Foundation: Reviewer of grants in DRMS (Decision, Risk, and Management Sciences)*, *The University of California Energy Institute (UCEI): Reviewer of California Energy Studies Proposals*, *University of Washington: Royalty Research Fund*

**Books:** *Addison Wesley*, *Elsevier*, *Princeton University Press*, *Toronto University Press*.

**US Government:** *Member of the Committee of Reviewers for the National Research Council, U.S. EPA.*

## OTHER COMPANY/RESEARCH/CONSULTING EXPERIENCE

CEO of BeamMe Inc, 2017-2019

Director of BeamMe Inc, 2017-2020

Cofounder BeamMe Inc, since 2017

Advisor on Autonomous Vehicles and City Development at:

City of Bellingham, WA, 2018

Ministry of Transportation, Chile, 2017

Department of Transportation, King County, 2017

Advising Role at Translink's New Mobility Research, 2018-2019

Advising Role at Translink's New Mobility Lab, Westminster, January 2018

Advising Role at New Mobility Forum, Translink, Vancouver, December 2017

UNDP, Advising the Mongolian Government on Reducing Air Pollution, 2018-2019

Mexican Environmental Commission for the Megalópolis, Mexico City, 2014

Member of the Independent Panel for the Review of 'Doing Business', Appointed by the President of the World Bank. Dr. Jim Yong Kim and headed by Minister Trevor Manuel, South Africa, 2012-2013.

Participation in special lecture series for Primary, Middle and High School Teachers, Community College and In-Service Educators: Traffic, Air Pollution, Energy Conservation and Climate Change, University of Washington, 2011.

Outreach in Washington D.C. Discussed the economics of carbon taxes and the "cap and trade system" with Senators and House Representatives (*Jim McDermott, Jay Inslee*, and offices of *Patty Murray* and *Maria Cantwell*) on the Hill in Washington D.C., November 2009.

Consultant, Department of Energy, *Evaluation of Energy Conservation Policies*, Washington D.C., 2008-2009.

Research assistant, with Professor G. Imbens, UC Berkeley: (a) *Analysis of statistical methods for "data masking" in order to release sensitive individual datasets*. (b) *Estimating treatment effects using Markov Chain Monte Carlo techniques to obtain the distributions of the parameters of interest*, 2003-2004.

Research assistant, with Professor R. Mittelhammer, Washington State University: *Developing Bayesian techniques to estimate multivariate polynomials subject to nonlinear inequality constraints*, 2002-2003.

Research assistant, with Professor W. Henrichsmeyer, University of Bonn, Germany: *Developing Multi-Input-Multi-Output Models. Forecasting Long Run Demand and Supply for Agricultural Commodities subject to different WTO and European Agricultural Policy Instruments*, 1999-2002.

*Ghana*: Fieldwork conducting surveys in a development project to optimize pesticide use and reduce externalities in intensive agricultural vegetable production, German Technical Co-operation (GTZ), Integrated Crop Protection/Ghana, 05 - 09/1998.

*Guatemala*: Management of Restaurant in San Pedro, Lake Atitlan, 11/1993 - 03/1994.

## CONFERENCE AND INVITED PRESENTATIONS

*Peer refereed conference contributions are indicated by\**

Seminar, The Wharton School, University of Pennsylvania 2021

Seminar, London School of Economics (LSE), 2021

Seminar, Inforte, University of Tampere, Invited speaker at "Productizing APIs and Data for Ecosystems", 2021

Invited Speaker at APIDays Live Australia, Strategy Stream, Melbourne, 2020

Seminar, University of Amsterdam, 2020

Movmi Mingler, Vancouver, Academic Expert Presentation for the Mobility Industry, 2020

**Keynote Speaker** on Open Data and Decarbonisation: FIA, Santiago de Chile, January 2020

*Fédération Internationale de l'Automobile (FIA) is the governing body for world motor sport and the federation of the world's leading motoring organisations, with headquarter in Paris*

Invited Speaker at #APIDays Helsinki, APIs, Platforms, and Ecosystems - Transforming Industries and Experiences, Helsinki, 2020

Seminar, University of Victoria, 2020  
Seminar, London School of Economics (LSE), 2019  
CUTA Annual Conference and Transit Show, Calgary 2019\*  
Seminar, Renmin University of China, Beijing, 2019  
Panel Discussant at The Future of Mobility: Mobility as a Service Speaker Series, Vancouver 2019  
Annual Conference of Association of Environmental and Resource Economists\*, Lake Tahoe, 2019  
Canadian Transportation Research Forum\*, 2019  
Seminar, TransLink Vancouver, 2019  
World Congress of Environmental and Resource Economists\*, Gothenburg, 2018  
Annual Conference of the Canadian Economics Association\*, Montreal, 2018  
IZA Workshop on Environment and Labor Markets\*, Bonn, 2018  
ASSA Meetings\*, Pennsylvania, 2018  
Seminar, University Catolica, Santiago de Chile, 2017  
Seminar, Western Washington University, Bellingham, 2017  
Duke University, Kunshan, China, 2017  
Seminar, Duke University, Kunshan, China, 2017  
AURÖ\*, DIW, Berlin, 2017  
Seminar, Hong Kong Polytechnic University, 2017  
ASSA Meetings\*, Chicago, 2017  
Seminar, Centre for European Economic Research (ZEW), Mannheim, 2016  
Seminar, University of Heidelberg, 2016  
Seminar, University of California, San Diego, 2016  
Seminar, University of Miami, 2016  
Seminar, Southern Methodist University, 2016  
Seminar, Ball State University, 2016  
Seminar, University of British Columbia, Sauder School of Business, 2016  
Seminar, University of Hawaii, 2016  
“Sustainable Urban Planning 2015 Research Symposium”, George Washington University, Washington D.C.,  
October 2015  
Seminar, University of Missouri, 2015  
**Keynote Speaker**, Effectiveness of Urban Pollution Control, International Symposium February 26-27, 2015,  
Graz, Austria, 2015  
Seminar, University of Surrey, 2015  
Seminar, University of Miami, 2015  
Seminar, American University, 2015  
Seminar, Washington State University, 2015  
Seminar, Simon Fraser University, 2015  
Seminar, University of Calgary, 2014  
**Keynote Speaker**, Mexican Environmental Commission for the Megalópolis, Mexico City, 2014  
Seminar, University of Bozen, 2014  
Washington State University, 2014  
World Congress of Environmental and Resource Economists\*, Istanbul, 2014  
Seminar, University of Graz, 2014  
Ausschuss für Umwelt und Ressourcenökonomik des Vereins für Socialpolitik, Oldenburg, 2014  
Seminar, University of Vienna, BOKU, 2014  
Seminar, University of Surrey, 2014  
CESifo Area Conference on Energy and Climate Economics\*, Munich, 2013  
Seminar, University of Graz, 2013



Seminar, University of Freiburg, 2013  
Seminar, IZA, University of Bonn, 2013  
Seminar, Oregon State University, 2013  
Seminar, University of Maryland, 2012  
Seminar, Resources for the Future, 2012  
Seminar, University of Wisconsin, 2012  
Seminar, Arizona State University, 2012  
Seminar, Cornell University, 2012  
Seminar, North Carolina State University, 2012  
Seminar, University of Hamburg, 2012  
Seminar, Lehigh University, 2012  
Occasional Workshop on Environmental and Resource Economics\*, Santa Barbara, 2012  
TREE Seminar, Duke & NCState, 2011  
Seminar, University of Seoul, Korea, 2011  
Seminar, CES-IFO Munich, 2011  
NBER (National Bureau of Economic Research) Summer Institute\*, 2011  
Annual Conference of Association of Environmental and Resource Economists\*, Seattle, 2011  
Conference on the Economics of Adaptation to Climate Change in Low-Income Countries\*, George Washington University, Washington, D.C., 2011  
Seminar, Department of Economics, University of Oregon, Eugene, 2011  
Allied Social Science Associations (ASSA) Meetings\*, Denver, 2011  
Public Lecture, University of Talca, Chile, 2010  
Occasional Workshop on Environmental and Resource Economics\*, Santa Barbara, 2010  
University of British Columbia 2010 Workshop on Environmental Economics and Climate Change, 2010  
Seminar, Department of Economics, University of Kentucky, 2010  
Seminar, Sauder School of Business, University of British Columbia, Canada, 2010  
Seminar, Center for Studies in Demography and Ecology, University of Washington, 2010  
Weihnachtstreffen deutscher Ökonomen im Ausland\*, Heidelberg, 2009  
Occasional Workshop on Environmental and Resource Economics\*, Santa Barbara, 2009  
Seminar, Department of Rural Economy, University of Alberta, Canada, 2009  
Conference, 2009 Agricultural & Applied Economics Association\*, Milwaukee, 2009  
Conference, 2009 Association of Environmental and Resource Economists\*, Vancouver, 2009  
Conference, 2009 European Association of Environmental and Resource Economists\*, Amsterdam, 2009  
Conference, 2009 NBER Conference "Climate Change" Past and Present", Boston, 2009  
Conference, 2009 Pacific Conference for Development Economics\*, San Francisco, 2009  
Seminar, Department of Economics, University of Concepcion, Chile, 2008  
Conference "Impacts of Food Quality and Safety Regulations", Talca, Chile, 2008  
Seminar, Department of Statistics, University of Washington, 2008  
Seminar, Pennsylvania State University, 2007  
Seminar, University of Waterloo, Canada 2007  
Seminar, Resources for the Future, 2007  
Seminar, University of North Carolina, 2007  
Seminar, University of Quebec, Canada, 2007  
Seminar, Tulane University, 2007  
Seminar, Williams College, 2007  
Seminar, Arizona State University, 2007  
Seminar, University of Nevada, 2007  
Seminar, University of Alberta, Business School, 2007

Seminar, London School of Business, 2007  
 Seminar, Institute for the Future of Labor, Germany, 2007  
 Seminar, University of Washington, 2007  
 Seminar, Department of Agricultural and Resource Economics, UC Davis, 2007  
 Occasional Workshop on Environmental and Resource Economics\*, Santa Barbara, 2006.  
 Environmental and Resource Economics Seminar, University of California, Berkeley, 2006.  
 Seminar on Bayesian Inference in Econometrics and Statistics\*, University of Iowa, 2006.  
 Seminar, Department of Agricultural Politics, University of Kiel, Germany, 2006.  
 Econometric Society: North American Summer Meeting\*, Brown University, 2004.  
 Econometric Society: European Meeting\*, Madrid, 2004.  
 American Agricultural Economics Association (AAEA) Meeting\*, 2004.  
 Summer Econometrics Workshop, University of California, Berkeley, 2004.  
 Environmental and Resource Economics Seminar, University of California, Berkeley, 2003.  
 Econometric Society: Latin American Meeting\*, Sao Paulo, Brazil, 2002.  
 Tagung der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaus\*, 2001.

## TEACHING EXPERIENCE

*Applied Quantitative Methods*, GY428, Master/PhD course, LSE, 2022  
*Environmental Resource Economics*, GY426, Master/PhD course, LSE, 2022/2023  
*Environmental Economics*, ECON 860, PhD course, Simon Fraser University, Summer 2017, 2018, 2019, 2021  
*Environmental Economics Seminar*, ECON 460, Simon Fraser University, Fall 2016, Spring 2018, 2019, 2020, 2021, 2022

REMARK: I introduced a new teaching tool to 460: “The Video Method”. This method is particularly beneficial for our international students. I wrote a detailed prescription and a report how to implement this method and today other professors are adopting it.

*Directed Reading*, ECON 921, Simon Fraser University, Spring 2018, Fall 2019  
*Directed Studies*, ECON 398 for Camila Cordoba, Simon Fraser University, Spring 2017  
*Empirical Environmental Economics*: One week intense PhD course, Universidad Catolica, Chile, Fall 2017  
*Environmental Economics*, ECON436, undergraduate course, University of Washington  
 Quarters of Instruction: AU07, SP08, WI09, SP09, WI10, SP10, WI11, SP11, SP12, WI13, SP13, WI14, SP14, WI 15, SP15, AU15, SP16  
*Environmental Economics*, ECON536, PhD course, University of Washington  
 Quarters of Instruction: SP08, SP09, SP10, SP11, SP12, SP13, SP14, SP15, SP16  
*Econometric Theory and Practice*, ECON482, undergraduate course, University of Washington  
 Quarters of Instruction: WI11, WI14, WI15  
 PhD block course in *Econometric Methods and Environmental Economics*, University of Cologne, 2012  
 PhD block course in *Environmental Economics*, Ludwig Maximilian University, Munich, 2011  
*Econometrics*, ECON581, PhD course, University of Washington, 2009  
*Applied Econometrics*, ARE213, PhD level course, Graduate student instructor with Prof. Guido Imbens, 2006  
*Probability and Statistics*, ARE211, PhD level course at UC Berkeley, with Jeffrey LaFrance, 2004  
*Mathematical Methods*, ARE210, PhD level course at UC Berkeley, with Leo Simon, 2004  
*Econometric Methods*, lecturer twice at University of Bonn in 1999-2002  
*Welfare Analysis*, Lecturer at University of Bonn in 2001-2002  
*Macroeconomics*, Student instructor at University of Bonn in 1999

## **CURRENT and FORMER PhD STUDENTS**

Sarah Elven,, PhD (Chair), since 2022, LSE

Esmaeli, Izadi, PhD (Chair), since 2019, Simon Fraser University

Fei Yu, PhD (Chair), since 2019, Simon Fraser University

Minoru Higa, PhD (Chair), since 2019, Simon Fraser University

Clemens Possnig (Economics, UBC), PhD, Committee Member, since Spring 2019, University of British Columbia

Cheng Chen (Business School, UBC), External examiner with Professor Werner Antweiler and Professor Sanghoon Lee, since Spring 2019, Sauder School of Business, University of British Columbia

Chandan Bhardwaj (REM, SFU), PhD, Committee Member, since Fall 2017, Resource and Energy Management, Simon Fraser University

Eric Adabayo, PhD (Chair), since 2017, Simon Fraser University

Shamma Adeeb Alam, PhD (Chair), 2014, Assistant Professor, Dickinson College  
*Shamma won the best paper of the year award twice, in 2014 and 2011.*

Skylar Olsen, PhD (Chair), 2014, Director of Economic Research at *Zillow*, Seattle

Danny Brendt, PhD (Chair), 2013, Assistant Professor, Penn State University  
*Danny won the Ensley Fellowship and the ASU pre-doctoral fellowship*

Joe Dieleman, PhD (Chair), 2013, Assistant Professor, University of Washington and Institute for Health Metrics and Evaluation  
*Joe won the Best Graduate Paper in Microeconomics Award, 2010.*

Dan Wang, PhD (Member), 2013, *Center for Chinese Agricultural Policy*, Chinese Academy of Sciences, Beijing

Momoe Makino, PhD (Member), 2011, Research Fellow at the *Institute of Developing Economies* in Japan

Wahid Abdallah, PhD (Member), 2011, Assistant Professor, BRAC University, Bangladesh

Chair of doctoral supervisory committee of Lisa Perry (Economics), in progress  
*Lisa won the Ensley Fellowship*

Member of doctoral supervisory committee of Stefan Sharkansky (Statistics), 2015

## **FORMER HONORS STUDENTS**

Thesis advisor of David Davis (Economics – Honors Directed Study), June 2008

Thesis advisor of David Vitale (Economics – Honors Directed Study), June 2009

Thesis advisor of Milun Zhang (Economics – Honors Ad Hoc Thesis), April 2010

Thesis advisor of Po Y.L. Kaboo Leung (Economics – Honors Directed Study), May 2010  
*Kaboo's thesis won the best undergraduate thesis of the year 2010 award.*

Thesis advisor of Teresa Ai-Shiung Teng (Economics – Honors Directed Study), May 2011  
*Teresa's thesis won the best undergraduate thesis of the year 2011 award.*

Thesis advisor of Suhartini Cuarsa (Economics – Honors Directed Study), May 2013

Thesis advisor of Megan Mao (Economics – Honors Directed Study), May 2013

Thesis advisor of Reid Johnsen (Economics), May 2014  
*Reid accepted a PhD fellowship at UC Berkeley*

Thesis advisor of Wenhua Liu (Stephanie) (Economics), May 2014  
*Stephanie's thesis won the best undergraduate thesis of the year 2014 award. She is now PhD student at UW.*

Thesis advisor of Shuyu (Sherry) Jia (Economics), May 2015

Thesis mentor of Deven Azevedo (Economics), May 2018  
*Deven won the Dean's Convocation Medal as well as several best undergraduate thesis of the year awards.*

Thesis mentor of Torben Jensen (Economics), May 2018

## SUPPORTED RA STUDENTS THROUGH EXTERNAL GRANTS

June Nguyen, undergrad student, Economics, SFU, RA, since April 2022

Yee (Archer) Ching Ng, undergrad student, Economics, SFU, RA, since April 2022

Nailing Xue, undergrad student, Economics, SFU, RA, since April 2021

Jack Madison, undergrad student, Economics, SFU, RA, April 2020 – May 2021

Lan Zhang, undergrad student, Economics, SFU, RA since May 2021

Amit Sidhu, undergrad student, Economics, SFU, RA since September 2021

Raymond de Pencier, undergrad student, Economics, SFU, RA April 2020 - May 2021

Usama Toor, undergrad student, Economics, SFU, RA since May 2021

Garrett Possnig, PhD student, Economics, SFU, RA since January 2019

Clemens Possnig, PhD student, Economics, UBC, RA since January 2019

Akio Yamazaki, PhD student, Economics, Calgary, RA 2017-2019. Today Akio accepted an Assistant Professor at *National Graduate institute for Policy Studies (GRIPS)*

Kohbod Khandan-Barani, undergrad student, Economics, SFU, RA since May 2019

Zoe Fajber, undergrad student, Economics, SFU, RA since May 2019

Jordan Hutchinson, undergrad student, Economics, SFU, RA, 2018-2019. Today at *Bank of Canada*

Albert Kho, undergrad student, Economics, SFU, RA, 2018

Rhys Godin, undergrad student, Economics, SFU, RA, 2018

Matthew Tang, undergrad student, Economics, SFU, RA, 2018

Stephen Rouse, Master student, Economics, SFU, RA, 2018. Today Senior Economist at *BC Public Services, Victoria*

Deven Azevedo, undergraduate student, Economics, SFU, RA 2016-2018. Today Master Student at LSE

Torben Jensen, Master student, Economics, SFU, RA 2016-2017, Today Policy Analyst at *Natural Resources Canada*

Eric Adebayo, PhD student, Economics, SFU, RA 2016-2017.

Camila Cordoba Cadena, undergraduate student, Economics, SFU, RA 2016-2017, Master Student at *Toulouse School of Economics*.

Skyilar Olsen, PhD student, Economics, UW, RA. Today she is Director of Economic Research at *Zillow, Seattle*

Danny Brendt, PhD student, Economics, UW, RA. Today: Assistant Professor at *Penn State University*  
*Danny won the Ensley Fellowship and the ASU pre-doctoral fellowship*

Momoe Makino, PhD student Economics, UW, RA, Today at Research Fellow at the *Institute of Developing Economies* in Japan

Mingyuan Hua, undergraduate student Economics, UW, RA. Today he is product manager at City Commercial Bank, China.

Liang Ma, undergraduate student Economics, UW, RA.

Wenhua Liu, undergraduate student Economics, UW, RA.

Lisa Perry, PhD student Economics, UW, RA, Today Director at *EMI Consulting, Seattle*.  
*Lisa won the Ensley Fellowship*

## **UNIVERSITY COMMITTEES AND SERVICES**

ASSA-AERE Program Committee, 2020-2023

Leading to this role, over the last 10 years, I have been a regular discussant, chair of sessions etc. at the NBER, ASSA, EAERE, WCERE and AERE Meetings. In addition, I served as

Member of Scientific Program Committee for the WCERE 2018 Conference

Member of Scientific Program Committee for the EARE Conference, since 2012

Member of Scientific Program Committee for the AERE Conference, since 2012

Note: EAERE and AERE are the European and the American top field associations in Environmental Economics. WCERE is the World Meeting, that includes both organizations.

Member of the Tenure and Promotion Committee, Department of Economics, Simon Fraser University, 2021-2022

Member of Graduate Committee, Department of Economics, Simon Fraser University, 2019-2020

Member Tenure and Promotion Committee: School of Public Policy, Simon Fraser University, 2018-2019

Brownbag Seminar Coordinator: Department of Economics, Simon Fraser University, 2018-2020

Seminar Coordinator: Department of Economics, Simon Fraser University, 2017-2018

Member of Canada Excellence Research Chairs (CERC) Steering Committee, Simon Fraser University, 2017

Member of Graduate Committee, Department of Economics, Simon Fraser University, 2016-2017

Organization of Seminar Series, Department of Economics, University of Washington 2007-2015

Member of *Mentoring Program for New PhD Grad Students*, Department of Economics, 2007-2015

Member of the *Review Committee of Prospective PhD Students*, Department of Economics, 2007-2014

Member of the *Evans School Policy Analysis and Research (EPAR)* group, since 2009

Member of the *Computer Tec Committee*, Department of Economics, 2011-2012

Member of the *Committee to Prepare Econ Job Market Candidates*, Department of Economics, 2007 - 2014.

Participation in special lecture series for Primary, Middle and High School Teachers, Community College and In-Service Educators: Traffic, Air Pollution, Energy Conservation and Climate Change, University of Washington, 2011.

Member of the *Program of the Environment Advisory Board*, University of Washington, 2010-2011

Selection Committee Member of *Best Second Year PhD Paper in Economics*, 2010-2011

Member of *Reappointment Committee of Senior Lecturer Position*, Dr. Greg Ellis, Department of Economics, 2007

## **PROFESSIONAL MEMBERSHIPS**

American Agricultural Economics Association, American Economic Association, Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists, Verein für Socialpolitik.

## **LANGUAGES**

German (native), English (fluent), Spanish (very good), French (basic).

## **STATISTICAL SOFTWARE**

ArcGIS, EViews, GAMS, GAUSS, Maple, Matlab, SPSS, Stata, Visual Basic

## **SPORTS**

Skiing, tennis, yoga, volleyball, hiking and trail running