

## CURRICULUM VITAE

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## WOLFRAM SCHLENKER

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### ACADEMIC POSITIONS

Cargill Visiting Scholar, Stanford University, Spring 2009.  
Gilbert White Fellow, Resources for the Future, Fall 2008.  
Faculty Research Fellow, National Bureau of Economic Research, 2007 – present.  
Assistant Professor, School of International and Public Affairs and Department of Economics, Columbia University, 2005 – present.  
Visiting Researcher, Princeton Environmental Institute and Department of Economics, Princeton University, 2004 – 2005.  
Assistant Professor, Department of Economics, University of California, San Diego, 2003 – 2005.

### EDUCATION

Ph.D. Agricultural and Resource Economics, University of California, Berkeley, May 2003.  
Dissertation: *The Optimal Pricing of Natural Resources*.  
M.S. Engineering and Management Science with (Diplom in Wirtschaftsingenieurwesen mit Auszeichnung), University of Karlsruhe, Germany, September 2000.  
M.E.M. Master of Environmental Management, Duke University, May 1998.  
B.S. Engineering and Management Science (Vordiplom in Wirtschaftsingenieurwesen), University of Karlsruhe, Germany, September 1995.

### AWARDS, GRANTS, AND HONORS

National Science Foundation, Economics Program, “Food Price Spikes in a Warming World: Estimating Risks and Evaluating Policy Responses,” 2010-2013 (US\$ 700,682).  
Department of Energy Grant DE-FG02-08ER64640, “Statistical Methods in Integrated Assessment Models of Climate Change – Applications to Agriculture and Energy Systems,” 2008-2011 (US\$ 351,433).  
Heinz König Young Scholar Award, Centre for European Economic Research (ZEW), Mannheim, June 2004.  
Institute on Global Conflict and Cooperation (IGCC) Fellowship, 2002–2003.  
Institute of Business and Economic Research Mini-grant, May 2001.  
Sidney Hoos Award for Best Second Year Project in Econometrics, May 2000.  
Pre-doctoral Fellowship, German Academic Exchange Service, 1998–1999.  
Graduate Scholarship, Duke University, 1996–1998.  
First and second prize respectively in the mathematical competitions of the University of Stuttgart and Tübingen, Germany, 1992.  
First prize in state-wide mathematical competition of Baden-Württemberg, Germany, 1989/90.

## PUBLICATIONS IN ACADEMIC JOURNALS

- Schlenker, W., W. M. Hanemann, and A. C. Fisher. 2005. "Will U.S. Agriculture Really Benefit from Global Warming? Accounting for Irrigation in the Hedonic Approach." *American Economic Review*, 95(1): 395-406.
- Schlenker, W., W. M. Hanemann, and A. C. Fisher. 2006. "The Impact of Global Warming on U.S. Agriculture: An Econometric Analysis of Optimal Growing Conditions." *Review of Economics and Statistics*, 88(1): 113-125.
- Schlenker, W., and M. J. Roberts. 2006. "Nonlinear Effects of Weather on Corn Yields." *Review of Agricultural Economics*, 28(3): 391-398.
- Schlenker, W., W. M. Hanemann, and A. C. Fisher. 2007. "Water Availability, Degree Days, and the Potential Impact of Climate Change on Irrigated Agriculture in California." *Climatic Change*, 81(1): 19-38.
- Heal, G., and W. Schlenker. 2008. "Sustainable Fisheries." *Nature*, 455(7216): 1044-1045.
- Carson, R. T., C. W. J. Granger, J. B. C. Jackson, and W. Schlenker. 2010. "Fisheries Management under Cyclical Population Dynamics." *Environmental and Resource Economics*, 42(3): 379-410.
- Schlenker, W. and M. J. Roberts. 2009. "Non-linear Temperature Effects Indicate Severe Damages to U.S. Crop Yields under Climate Change." *Proceedings of the National Academy of Sciences*, 106(37): 15594-15598.
- Schlenker, W. and S. B. Villas-Boas. 2009. "Consumer and Market Response to Mad-Cow Disease." *American Journal of Agricultural Economics*, 91(4): 1140-1152.
- Timmins, C. and W. Schlenker. 2009. "Reduced Form versus Structural Modeling in Environmental and Resource Economics." *Annual Review of Resource Economics*, 1: 351-380.
- Roberts, M. J. and W. Schlenker. 2009. "World Supply and Demand of Food Commodity Calories." *American Journal of Agricultural Economics*, 91(5): 1235-1242.
- Schlenker, W. and D. B. Lobell. 2010. "Robust Negative Impacts of Climate Change on African Agriculture." *Environmental Research Letters*, 5(1): 1-8.
- Brozovic, N. and W. Schlenker. 2011. "Optimal Management of an Ecosystem with an Unknown Threshold." *Ecological Economics*, 70(4): 627-640.
- Graff Zivin, J., M. Neidell, and W. Schlenker. 2011. "Water Quality Violations and Avoidance Behavior: Evidence from Bottled Water Consumption." *American Economic Review: Papers & Proceedings*, 101(3): 448-453.
- Lobell, D. B., W. Schlenker, and J. Costa-Roberts, 2011. "Climate Trends and Global Crop Production Since 1980." *Science*, 333(6042): 616-620.
- Urban, D., M. J. Roberts, W. Schlenker, and D. B. Lobell. 2012. "Projected Temperature Changes Indicate Significant Increase in Interannual Variability of U.S. Maize Yields." *Climatic Change*, 112(2): 525-533.

Roberts, M. J., W. Schlenker, and J. Eyer. Forthcoming. "Agronomic Weather Measures in Econometric Models of Crop Yield with Implications for Climate Change." *American Journal of Agricultural Economics*.

Fisher, A. C., W. M. Hanemann, M. J. Roberts, and W. Schlenker. Forthcoming. "The Economic Impacts of Climate Change: Evidence from Agricultural Output and Random Fluctuations in Weather: Comment." *American Economic Review*.

#### **PUBLISHED BOOK CHAPTERS**

Schlenker, W., and M. J. Roberts. 2008. "Non-linear Effects of Weather on U.S. Crop Yields, Implications for Climate Change, and Why these Effects Matter for Developing Countries." *Berlin Workshop Series 2008 (World Bank and InWEnt)*.

Schlenker, W. 2009. "Crop responses to climate and weather: cross-section and panel models" in *Climate Change and Food Security*, eds D. Lobell and M. Burke.

Roberts, M. J. and W. Schlenker. 2010. "The Evolution of Heat Tolerance of Corn: Implications for Climate Change." *NBER Conference Volume: The Economics of Climate Change – Adaptations Past and Present*, p. 225-251.

Roberts, M. J. and W. Schlenker. 2012. "Is Agriculture Becoming More or Less Sensitive to Extreme Heat? Evidence from U.S. Corn and Soybean Yields." *NBER Conference Volume: The Design and Implementation of U.S. Climate Policy*.

#### **WORKING PAPERS**

"Identifying Supply and Demand Elasticities of Agricultural Commodities: Implications for the US Ethanol Mandate," *NBER Working Paper 15921*, with Michael J. Roberts.

"Weather Data and Climate Model Output: A Practical User Guide for Economists," with Maximilian Auffhammer, Solomon M. Hsiang, and Adam Sobel.

"Airports, Air Pollution, and Contemporaneous Health," *NBER Working Paper 17684*, with W. Reed Walker.

"Climate Change, Crop Yields, and Internal Migration in the United States," *NBER Working Paper 17734*, with Shuaizhang Feng and Michael Oppenheimer.

#### **WORK IN PROGRESS**

"Inter-Annual Weather Variation and Crop Yields."

"Does Being a "Top 10" Worst Polluter Affect Environmental Releases? Evidence from the U.S. Toxic Release Inventory," with Jason Scorse.

"The Effect of Ground-Level Ozone of US Maize Yields," with Christopher Boone and Juha Siikamäki.

"Identifying Agricultural Demand and Supply Elasticities," with Steven Berry and Michael Roberts.

**SEMINAR PRESENTATIONS**

Arizona State University, Brown University, Colorado State University, Cornell University, Dartmouth College, Duke University, Economic Research Service - United States Department of Agriculture, Georgia State University, Graduate Institute of International Studies, Harvard University, Iowa State University, Johns Hopkins University, Michigan State University, New School, North Carolina State University, Ohio State University, Oregon State University, Princeton University, Resources for the Future, Rutgers University, Stanford University, Tufts University, Tulane University, University of Alberta at Edmonton, University of Arizona, University of British Columbia, University of Calgary, University of California at Berkeley, University of California at Irvine, University of California at San Diego, University of California at Santa Barbara, University of California Energy Institute, University of Colorado at Boulder, University of Connecticut, University of Heidelberg, University of Illinois at Urbana-Champaign, University of Kansas, University of Maryland at College Park, University of Mannheim, University of Massachusetts at Amherst, University of Minnesota, University of Nebraska, University of Pittsburgh, University of South Carolina, University of Washington, University of Wyoming, Virginia Tech University, Washington State University, Whitman College, World Bank, Yale University.

**REFEREE**

American Economic Review, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Journal: Macroeconomics, American Journal of Agricultural Economics, Berkeley Electronic Press, California Institute for Energy and Environment – Environmental Explanatory Grant Proposals, Climatic Change, Deutsche Forschungsgemeinschaft, Ecological Economics, Economic Development and Cultural Change, Economic Inquiry, Environment and Development Economics, European Economic Review, Journal of Applied Meteorology and Climatology, Journal of Development Economics, Journal of Environmental Economics and Management, Journal of Political Economy, Journal of Population Economics, Journal of the American Water Resources Association, Journal of Applied Meteorology and Climatology, Land Economics, National Science Foundation, Nature Climate Change, Proceedings of the National Academy of Sciences, Quarterly Journal of Economics, Resource and Energy Economics, Review of Economic Studies, Review of Economics and Statistics, Review of Environmental Economics and Policy, Water Resources Research.