

## Lucas W. Davis

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### Education

*Ph.D. in Economics*, University of Wisconsin, 2005  
Thesis: "Essays in Applied Microeconomics"  
Supervised by Maurizio Mazzocco (chair), John Kennan, and Igal Hendel  
*M.S. in Economics*, University of Wisconsin, 2002  
*B.A. Magna Cum Laude*, Amherst College, 1996

### Appointments

Assistant Professor, Haas School of Business, University of California, Berkeley, 2009-  
Assistant Professor, Department of Economics, University of Michigan, 2005-2009  
Visiting Assistant Professor, Department of Economics, M.I.T., 2008-2009

### Professional Activities

Faculty Research Fellow, National Bureau of Economic Research, 2008-  
Associate Editor, *Journal of Public Economics*, 2009-  
Faculty Affiliate, Energy Institute at Haas, 2009-  
Faculty Affiliate, International Growth Centre, 2009-  
Faculty Affiliate, Cal Energy and Climate, 2009-  
Faculty Affiliate, Energy and Resource Group, 2010-

### Research and Teaching Interests

Energy and Environmental Economics, Applied Microeconomics, Public Finance

### Journal Publications

"The Effect of Health Risk on Housing Values: Evidence from a Cancer Cluster"  
*American Economic Review*, 2004, 94(5), 1693-1704.

"Durable Goods and Residential Demand for Energy and Water: Evidence from a Field Trial"  
*RAND Journal of Economics*, 2008, 39(2), 530-546.

"The Effect of Driving Restrictions on Air Quality in Mexico City"  
*Journal of Political Economy*, 2008, 116(1), 38-81.

“The Welfare Costs of Unreliable Water Service” (with Brian Baisa, Stephen Salant, and William Wilcox), *Journal of Development Economics*, 2010, 92(1), 1-12.

“International Trade in Used Vehicles: The Environmental Consequences of the North American Free Trade Agreement” (with Matthew E. Kahn), *American Economic Journal: Economic Policy*, 2010, 2(4), 58-82.

“Do Americans Consume Too Little Natural Gas? An Empirical Test of Marginal Cost Pricing” (with Erich Muehlegger), *RAND Journal of Economics*, 2010, 41(4), 791-810.

“The Effects of Preferential VAT Rates Near International Borders: Evidence from Mexico” *National Tax Journal*, 2011, 64(1), 85-104.

“The Allocative Cost of Price Ceilings in the U.S. Residential Market for Natural Gas” (with Lutz Kilian), *Journal of Political Economy*, 2011, 119(2), 212-241.

“Estimating the Effect of a Gasoline Tax on Carbon Emissions” (with Lutz Kilian), *Journal of Applied Econometrics*, 2011, 26(7), 1187-1214.

“The Effect of Power Plants on Local Housing Prices and Rents: Evidence from Restricted Census Microdata” *Review of Economics and Statistics*, 2011, 93(4), 1391-1402.

“The Equity and Efficiency of Two-Part Tariffs in U.S. Natural Gas Markets” (with Severin Borenstein), *Journal of Law and Economics*, forthcoming.

“Prospects for Nuclear Power” *Journal of Economic Perspectives*, forthcoming.

## **Other Publications**

“Evaluating the Slow Adoption of Energy Efficient Investments: Are Renters Less Likely to Have Energy Efficient Appliances?” in *The Design and Implementation of U.S. Climate Policy*, edited by Don Fullerton and Catherine Wolfram, forthcoming.

## **Working Papers**

“Deregulation, Consolidation, and Efficiency: Evidence from U.S. Nuclear Power” (with Catherine Wolfram) revised December 2011.

“Cash for Coolers” (with Alan Fuchs and Paul Gertler), available soon.

## **Professional Society Memberships**

American Economic Association

Association of Environmental and Resource Economists

National Tax Association

## **Teaching Experience**

Data and Decisions, Full-Time MBA Program (Berkeley 2010, 2011)  
Energy and Environmental Markets, Undergraduate (Berkeley 2010, 2012)  
Statistics Refresher, Evening and Weekend MBA Program (Berkeley 2012)  
Energy Economics and Policy, Undergraduate (M.I.T. 2009)  
Public Finance, Ph.D. Program (University of Michigan 2005, 2006, 2007)  
Mathematical Statistics, Undergraduate (University of Michigan 2005, 2006, 2007)

## **Grants and Awards**

Center for Teaching Excellence Outstanding New Instructor Award, 2011  
Schwabacher Fellowship, 2011-2012.  
Grant R03ES016608, National Institutes of Health, 2009-2011.  
National Institutes of Health, Pre-Doctoral Training Grant, 2002-2005.  
Christensen Award in Empirical Economics, 2004.

## **Referee**

American Economic Journal: Economic Policy, American Economic Review, American Law and Economics Review, B.E. Journal of Economic Analysis & Policy, California Management Review, Climate Policy, Economic Inquiry, Economic Journal, Economics Letters, Energy Economics, Energy Journal, Environmental and Resource Economics, Journal of Applied Econometrics, Journal of Economic Literature, Journal of Economics & Management Strategy, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Human Resources, Journal of Policy Analysis and Management, Journal of Political Economy, Journal of Public Economics, Labour Economics, National Tax Journal, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economics and Statistics, Review of Economic Studies, Review of Environmental Economics and Policy, Review of Industrial Organization, Water Resources Research

## **Other Referee Activities**

External Reviewer, Center for Economic Studies (U.S. Census Bureau)  
External Reviewer, National Science Foundation

## **Invited Presentations and Conference Participation**

2011: American Economic Association Annual Meeting (discussant), Massachusetts Institute of Technology Department of Economics, Energy Institute at Haas POWER Conference on Energy Research and Policy (moderator), Climate One "Nuclear Power: Setting Sun?" at San Francisco's Commonwealth Club, NBER Joint Public Economics and Environmental and Energy Economics Program Meeting (co-organizer), University of Tennessee Department of Economics, Brookings Institute Economic Studies, University of California Energy Institute, University of Colorado Department of Economics, University of California Davis Department of Economics, World Affairs Council "Powering America: Does Nuclear Have a Future?" (moderator), NBER

Annual East Asian Seminar on Economics (presenter and discussant), University of California Energy Institute, NBER Summer Institute, Stanford Institute for Theoretical Economics, Berkeley Energy and Resources Collaborative Symposium, Energy Institute at Haas Nuclear Power Conference (presenter and moderator), University of Chicago Harris School of Public Policy, Kellogg School of Management, Stanford Graduate School of Business

2010: NBER Environmental and Energy Economics Program Meeting (discussant), Energy Institute at Haas POWER Conference on Energy Research and Policy (discussant), NBER Design and Implementation of U.S. Climate Policy Conference (presenter and discussant), Georgia State University Department of Economics, University of California Los Angeles Department of Economics, University of California Energy Institute, NBER Summer Institute (discussant), University of British Columbia Conference on Environmental Economics, UC Santa Cruz Department of Economics, University of California Santa Barbara Occasional Workshop on Environmental and Resource Economics, Stanford University Department of Economics

2009: American Economic Association Annual Meeting (discussant), University of California San Diego Department of Economics, Washington University Olin Business School, University of California Berkeley Haas School of Business, University of California Energy Institute POWER Conference on Energy Research and Policy, Tufts University Department of Economics, NBER Environmental and Energy Economics Program Meeting, Cornell University Department of Applied Economics and Management, Massachusetts Institute of Technology Center for Energy and Environmental Policy Research Spring Workshop, University of California Energy Institute, University of California Berkeley Department of Economics, University of California Santa Barbara Occasional Workshop on Environmental and Resource Economics, University of California Santa Barbara Department of Economics, New York University Stern School of Business, University of Illinois College of Business, University of California Berkeley Green Buildings Conference, RAND Labor and Population Seminar, California Energy Commission

2008: American Economic Association Annual Meeting (discussant), University of Calgary Department of Economics, NBER Joint Industrial Organization and Environmental and Energy Economics Program Meeting (discussant), Wharton School of the University of Pennsylvania, Resources for the Future, University of Chicago Harris School of Public Policy, University of Michigan Department of Economics, Stanford University Department of Economics, Association of Environmental and Resource Economists Annual Summer Meeting, NBER Summer Institute (discussant), Boston University Department of Economics, Columbia University Department of Economics, Georgetown University Department of Economics, Yale University Department of Economics, Harvard University Kennedy School of Government, Massachusetts Institute of Technology Department of Economics, Stanford Graduate School of Business, Arizona State Department of Economics

2007: American Economic Association Annual Meeting (discussant), Duke University Department of Economics, University of Michigan Department of Economics, University of Western Ontario Department of Economics, University of Maryland

Department of Agricultural and Resource Economics, University of California Energy Institute, Harvard University Kennedy School of Government, Massachusetts Institute of Technology Center for Energy and Environmental Policy Research Spring Workshop

Before 2007: NBER Summer Institute, University of California Energy Institute, HEC Montreal, University of Michigan Department of Economics, Michigan State University Department of Economics, Harvard University Department of Economics, University of Chicago Graduate School of Business, Stanford University Department of Economics, Columbia University Department of Economics, Wharton School of the University of Pennsylvania, Boston University Department of Economics, Brown University Department of Economics, University of Maryland Department of Economics, Princeton University Department of Economics, Cornell University Department of Economics, University of Chicago Department of Economics, University of Michigan Department of Economics, University of Rochester Department of Economics

### **Thesis Advising**

T.I. Tongil Kim, Ph.D. Candidate, Haas School of Business, UC Berkeley  
Alan Fuchs, Ph.D. Candidate, Agricultural and Resource Economics, UC Berkeley  
Bryan Hong, Ph.D. Candidate, Haas School of Business, UC Berkeley  
Ginger Carls, Ph.D. Economics 2009, University of Michigan  
Soren Anderson, Ph.D. Economics 2008, University of Michigan (co-chair)  
Ron Alquist, Ph.D. Economics 2008, University of Michigan.  
Paul Edelstein, Ph.D. Economics 2007, University of Michigan  
Yimin Liu, Ph.D. School of Natural Resources 2006, University of Michigan  
Martin Heintzelman, Ph.D. Economics 2005, University of Michigan