

# ERICH J. MUEHLEGGER

## CONTACT INFORMATION

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University of California – Davis  
Economics Department  
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## ACADEMIC APPOINTMENTS

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- 2014-present DEPARTMENT OF ECONOMICS, UC – DAVIS  
Associate Professor (2016-present)  
Graduate Program Chair (2016-present)  
Institute for Transportation Studies, Faculty Affiliate (2015-present)  
Transportation, Technology and Policy Graduate Group, Affiliate (2015-present)  
Davis Energy Economics Program, Faculty Affiliate (2014-present)  
Assistant Professor (2014-2016)
- 2005-2014 HARVARD KENNEDY SCHOOL, HARVARD UNIVERSITY.  
Assistant Professor (2005-2010)  
Associate Professor, untenured (2010-2014)  
Harvard Environmental Economics Program, Faculty Fellow (2005-2014)  
Regulatory Policy Program, Faculty Chair (2006-2009)  
Harvard University Center for the Environment, Faculty Associate (2007-2014)  
Harvard Lab for Economic Applications and Policy, member (2009-2014)
- Spring 2010 DEPARTMENT OF ECONOMICS, COLUMBIA UNIVERSITY  
Visiting Scholar

## PROFESSIONAL APPOINTMENTS

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- 2010-present NATIONAL BUREAU OF ECONOMIC RESEARCH,  
Faculty Research Fellow (EEE)
- 2015-present JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT,  
Member of the Editorial Board

## EDUCATION

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### **Primary Fields: Energy, Environment, Public Finance, Industrial Organization**

- 2000-2005 MIT, CAMBRIDGE, MA. Ph.D., Economics.
- 1993-1997 WILLIAMS COLLEGE, WILLIAMSTOWN, MA. B.A., Mathematics and Economics

**REFERENCES**

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Robert Stavins  
Harvard Kennedy School  
Robert\_Stavins@harvard.edu  
617-495-1820

Severin Borenstein  
Haas School of Business, UC – Berkeley  
borenste@haas.berkeley.edu  
510-642-3689

Michael Greenstone  
Department of Economics,  
University of Chicago  
mgreenst@mit.edu  
617-452-4127

Lawrence Goulder  
Department of Economics,  
Stanford University  
goulder@stanford.edu  
650-723-3706

**REFEREED PUBLICATIONS**

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1. “Do the Laws of Tax Incidence Hold? Point of Collection and the Pass-through of State Diesel Taxes” (with Justin Marion, Joel Slemrod and Wojciech Kopczuk). *American Economic Journal: Economic Policy*, 8: 2, p. 251-286, May 2016.
2. “Consumer Learning and Hybrid Vehicle Adoption” (with Garth Heutel) *Environmental and Resource Economics*, 62:1, p.125-161, September 2015.
3. Tracking Employment Shocks using Mobile Phone Data (with Yu-ru Lin, Jameson Toole, Daniel Shoag, Marta Gonzalez and David Lazer), *Journal of Royal Society Interface*, 12:107, June 2015.
4. “Gasoline Taxes and Consumer Behavior” (with Shanjun Li and Joshua Linn) *American Economic Journal: Economic Policy*, 6: 4, p. 302-342, November 2014
5. “Weather, Salience of Climate Change and Congressional Voting” (with Evan Herrnstadt), *Journal of Environmental Economics and Management*, 68: 3, p.435-448, November 2014.
6. “Consumer Response to Cigarette Excise Tax Changes” (with Lesley Chiou), *National Tax Journal*, 67: 3, p. 621-650, September 2014.
7. “Cell Phones and Motor Vehicle Fatalities” (with Daniel Shoag), *Procedia Engineering* 78, p. 173-177, September 2014.
8. “Heuristic Strategies, Firm Behavior and Industry Information” (with Cynthia Lin) *Journal of Economic Behavior and Organization*, 86: 1, p. 10-23, February 2013.
9. “Tax Incidence and Supply Conditions” (with Justin Marion), *Journal of Public Economics*, 95, p. 1202-1212. October 2011.

10. "Giving Green to Get Green: Incentives and Consumer Adoption of Hybrid Vehicle Technology." (with Kelly Gallagher), *Journal of Environmental Economics and Management*, 61, p. 1-15. January 2011.
11. "Do Americans Consume Too Little Natural Gas? An Empirical Test of Marginal Cost Pricing" (with Lucas Davis), *Rand Journal of Economics*, 41, p. 791-810. Winter 2010.
12. "Edgeworth Cycles Revisited" (with Joseph Doyle and Krislert Samphantharak). *Energy Economics*, 32, p. 651-660. May 2010.
13. "Crossing the Line: The Effect of Cross-Border Cigarette Sales on State Excise Tax Revenues" (with Lesley Chiou), *BE Journal – Economic Analysis and Policy (Contributions)*, 8:1. December 2008.
14. "Measuring Illegal Activity and the Effects of Regulatory Innovation: Tax Evasion and the Dyeing of Untaxed Diesel" (with Justin Marion). *Journal of Political Economy*, 116:4, p. 633-666, August 2008.

#### **PUBLICATIONS IN MATHEMATICS**

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15. "Infinite Ergodic Index  $Z^d$  Actions in Infinite Measure" (with B. Narasimhan, A. Raich, C. Silva, M. Touloumtzis, and W. Zhao). *Colloquium Mathematicum*, vol. 82, No. 2 (1999), 167-190.
16. "Lightly Mixing on Dense Algebras" with (A. Raich, C. Silva and W. Zhao). *Real Analysis Exchange*, Vol. 23, No. 1, (1998), 259-266.

#### **BOOK CHAPTERS**

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1. Commentary on Dealing with Expropriations: General Guidelines for Oil Contracts, "The Natural Resources Trap: Private Investment without Public Commitment" MIT Press, 2011.

#### **WORKING PAPERS**

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"Air Pollution and Criminal Activity: Evidence from Chicago Microdata" (with Evan Herrstadt)

"Tax Compliance and Fiscal Externalities: Evidence from U.S. Diesel Taxation" (with Justin Marion)

"Gasoline Price Spikes and Regional Gasoline Content Regulations: A Structural Approach."

"Market Effects of Regulatory Heterogeneity: A Study of Regional Gasoline Content."

“Endogenous Facility Reliability: Evidence from Oil Refinery Fires”

### **WORK IN PROGRESS**

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Economic and Non-economic Motivations for Crime

Crude Oil Restrictions and Welfare Gains from Fracking: Evidence from Refinery Microdata  
(with Rich Sweeney)

Land Use Regulation and Commuting Patterns (with Daniel Shoag)

The Incidence of Environmental Regulation (with Don Fullerton)

Impact of Weather and Pollution on Consumer Behavior (with Daniel Shoag and Jameson Toole)

### **HONORS, FELLOWSHIPS, AND GRANTS**

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| 2014      | New England University Transportation Center Research Grant, “Land-Use Regulation and Commuting Patterns” co-PI (\$84,791)                         |
| 2013      | Taubman Center for State and Local Government Research Grant (\$15,000)  |
| 2013      | KSG Dean’s Research Fund (\$5,000)   |
| 2012      | Taubman Center for State and Local Government Research Grant (\$15,000)  |
| 2012      | New England University Transportation Center Research Grant, “Cell Phones and Vehicle Safety”, co-PI (\$97,303)                                    |
| 2011      | Taubman Center for State and Local Government Research Grant (\$15,000)  |
| 2011      | Energy Technology and Innovation Project Grant, “Cell Phones and Vehicle Safety” (\$32,822)  |
| 2010      | Energy Technology and Innovation Project Grant, “Gasoline Taxes and Consumer Behavior.” (\$59,243)   |
| 2007      | Joint Grant from KSG Center for Business and Government and KSG Energy Technology Innovation Project, “Incentives for Hybrid Vehicles.” (\$28,635) |
| 2006      | KSG Dean’s Research Fund (\$5,000)   |
| 2002      | Fellowship, MIT Center for Energy and Environmental Policy Research.   |
| 2000-2003 | National Science Foundation Graduate Research Fellowship   |

**TEACHING EXPERIENCE**

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UC-Davis:

Graduate Industrial Organization (2014-present)  
 Strategy, Competition and Regulation (2014-present)  
 Transportation Economics (beginning fall 2015)

Harvard Kennedy School:

Dean's Award for Teaching (2006 - 2008, 2012, 2013)

Executive Education: Modules on Empirical Methods and Environmental Policy

Strategy, Competition and Regulation (2008-2013)  
 Markets and Market Failure with Cases (2008)  
 Quantitative Analysis and Empirical Methods (2005 - 2008, 2011-2013)

**OTHER EXPERIENCE**

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2003-2005 Teaching Assistant, MIT Department of Economics

2001-2002 Research Assistant, Professor Paul Joskow.

1997-2011 CompassLexecon, Cambridge, MA  
 Analyst (1997-1998), Senior Analyst (1998-2000), Consultant (2000-2005),  
 Academic Affiliate (2005-2011)

**INVITED PRESENTATIONS (SINCE 2005)**

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2016 AERE Summer meetings

2015 UC Irvine, UC Davis, Michigan

2014 UC Davis, UC Berkeley

2013 University of Colorado, Harvard, University of Illinois – Urbana Champaign,  
 ETH Zurich, University of Lugano.

2012 Yale, UC Santa Barbara, ASSA meetings, Cornell.

2011 ASSA meetings, Stanford, Northwestern, UC Davis, Maryland AREC, UC  
 Berkeley Energy Camp

2010 Columbia, Duke, International Industrial Organization Conference.

2009 Yale, Columbia Business School, Harvard, Columbia.

- 2008 American Economics Association Meetings, Boston University, International Industrial Organization Conference, Harvard (2), MIT, Brandeis, NBER Summer Institute – Economics of Taxation, NBER Summer Institute – Environmental and Energy Economics.
- 2007 Federal Reserve, Tufts, International Industrial Organization Conference, UC Berkeley, Yale.
- 2006 Harvard, International Industrial Organization Conference, Yale SOM, Federal Trade Commission, UC Berkeley.
- 2005 Harvard, Cornell, USC, UC Irvine, Northeastern, Department of Justice, Federal Trade Commission.

### **PROFESSIONAL SERVICE**

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Referee for *American Economic Review*, *Quarterly Journal of Economics*, *Journal of Political Economy*, *Review of Economic Studies*, *Proceedings of the National Academy of Science*, *Review of Economics and Statistics*, *AEJ: Microeconomics*, *AEJ: Economic Policy*, *AEJ: Applied Economics*, *Journal of Public Economics*, *RAND Journal of Economics*, *Journal of Environmental Economics and Management*, *Journal of Applied Econometrics*, *International Journal of Industrial Organization*, *Journal of Industrial Organization*, *Journal of Industrial Economics*, *Review of Industrial Organization*, *Health Economics*, *National Tax Journal*, *Games and Economic Behavior*, *Scandinavian Journal of Economics*, *Southern Economic Journal*, *BE Journals in Economic Analysis and Policy*, *Energy Journal*, *Energy Economics*, *Journal of Policy Analysis and Management*, *Journal of Urban Economics*, *Environment and Resource Economics*, *Public Finance Review*, *Environmental Research Letters*, *International Tax and Public Finance*, *Energy Policy*, *Scandinavian Journal of Economics*, *Public Budgeting and Finance*

*American Economic Review* Excellence in Refereeing Award, 2010.

Ad-hoc reviewer for *National Science Foundation*, *Canadian Social Science and Humanities Research Council*, *Alfred P. Sloan Foundation*.

Session Chair for 2006 *IIOC*, 2012 *ASSA*.

Discussant at 2011 NBER EEE, *ASSA Meetings* (2015(x3), 2014 (x2), 2013, 2011), 2010 NBER Winter IO, *IIOC* (2010, 2008, 2007, 2006), 2007 Harvard Conference on Oil and Populism.

### **PUBLIC SERVICE**

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Ad-hoc commentor – GAO Methodology: Effects of Mergers and Market Concentration on Wholesale Gasoline Prices. (2008, 2009)

Speaker – U.S. / Taiwan Dialogue on Hybrid Vehicles. Sponsored by the U.S. State Department.  
(2009)

### **COMMITTEE SERVICE**

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#### **UC Davis:**

Levine Family Seminar Series (2014)  
Teaching Evaluation Committee (2014)

#### **Previous Committee Service:**

HKS Faculty Research Seminar Coordinator (2011, 2012)

PhD Admissions Committee (2009 - 2013)  
Junior Analytics Search Committee (2006 - 2008).  
MPP Admissions Committee (2005).

Joseph Crump Fellowship Committee (2008 - 2012)  
Harvard University Center for the Environment Fellowship Committee (2008)  
Student Internship Fund Committee (2005, 2007)

### **ADVISING**

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PhD Dissertations - Kate Emans (2008, Amherst College)  
Jonathan Borck (2008, Analysis Group)  
Hunt Allcott (2009, NYU)  
David Molin (2009, CompassLexecon)  
Matthew Ranson (2012, Abt Associates)  
Richard Sweeney (2015, Boston College)  
Evan Herrnstadt (Michigan 2015, HUCE post-doc)  
Samuel Stolper (2016)

Master's Theses - Alemayehu Kuma Awas (2006, MPA-ID)  
Jonathan Phillips (2007, MPP)  
Issac Wohl (2007, MPP)  
Erik Wurster (2007, MPP)  
David Grasso (2009, MPP)  
Bruce Haupt (2009, MPP)  
Claudia Sanchez (2009, MPP)  
Sierra Peterson (2009, MPP)  
Daniel Vetter (2011, MBA/MPP)

Undergrad Theses - Michael Libert (2009, Economics)