

# ERICH J. MUEHLEGGGER

## CONTACT INFORMATION

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University of California – Davis  
Economics Department  
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Davis, CA 95616

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## ACADEMIC APPOINTMENTS

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- 2014-present DEPARTMENT OF ECONOMICS, UC – DAVIS  
Associate Professor (2016-present), Assistant Professor (2014-2016)  
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)
- 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, EEE  
Research Associate (2016 – present)  
Faculty Research Fellow (2010 – 2016)
- 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

**PUBLICATIONS**

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1. “Does Tax-Collection Invariance Hold? Evasion 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. “Land Use Regulation and Commuting Patterns” (with Daniel Shoag) *Procedia Engineering* 107, p. 488-493, 2015.
5. “Gasoline Taxes and Consumer Behavior” (with Shanjun Li and Joshua Linn) *American Economic Journal: Economic Policy*, 6: 4, p. 302-342, November 2014
6. “Weather, Salience of Climate Change and Congressional Voting” (with Evan Herrnstadt), *Journal of Environmental Economics and Management*, 68: 3, p.435-448, November 2014.
7. “Consumer Response to Cigarette Excise Tax Changes” (with Lesley Chiou), *National Tax Journal*, 67: 3, p. 621-650, September 2014.
8. “Cell Phones and Motor Vehicle Fatalities” (with Daniel Shoag), *Procedia Engineering* 78, p. 173-177, September 2014.
9. “Heuristic Strategies, Firm Behavior and Industry Information” (with Cynthia Lin) *Journal of Economic Behavior and Organization*, 86: 1, p. 10-23, February 2013.
10. “Tax Incidence and Supply Conditions” (with Justin Marion),

*Journal of Public Economics*, 95, p. 1202-1212. October 2011.

11. "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.
12. "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.
13. "Edgeworth Cycles Revisited" (with Joseph Doyle and Krislert Samphantharak).  
*Energy Economics*, 32, p. 651-660. May 2010.
14. "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.
15. "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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16. "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.
17. "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.

#### **RECENT WORKING PAPERS**

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"Tax Compliance and Fiscal Externalities: Evidence from U.S. Diesel Taxation" (with Justin Marion), *Journal of Public Economics*, revise and resubmit

"Air Pollution as a Cause of Violent Crime: Evidence from Los Angeles and Chicago" (with Evan Herrnstadt, Anthony Heyes and Soodeh Saberian), submitted

Who Bears the Economic Costs of Environmental Regulations? (with Don Fullerton) submitted

Pass-through of Input Cost Shocks Under Imperfect Competition: Evidence from the U.S. Fracking Boom (with Richard Sweeney)

### **OLDER WORKING PAPERS**

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“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”

### **FELLOWSHIPS AND GRANTS**

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| 2017 | Principal Investigator, <i>National Center for Sustainable Transportation and California Department of Transportation</i> “Understanding the distributional impacts of vehicle policy: Who buys new and used alternative vehicles?” (with David Rapson) \$99,101 |
| 2017 | Principal Investigator, <i>National Center for Sustainable Transportation and US Department of Transportation</i> “Seed Grant: EV Incentive Pass-through and Dealer Margins” (with David Rapson) \$31,400  |
| 2017 | Principal Investigator, <i>Institute for Transportation Studies – Public Transportation Account Project</i> “Environmental Justice and Barriers to Low-Income EV Adoption” (with David Rapson) \$39,824  |
| 2015 | Principal Investigator, <i>New England University Transportation Center Research Grant</i> , “The Local Effects of the American Recovery and Reinvestment Act on Economic Activity and Traffic Safety” (with Daniel Shoag) \$85,565                              |
| 2014 | Principal Investigator, <i>New England University Transportation Center Research Grant</i> , “Land-Use Regulation and Commuting Patterns” (with Daniel Shoag) \$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 | Principal Investigator, <i>New England University Transportation Center Research Grant</i> , “Cell Phones and Vehicle Safety”, (with Daniel Shoag) \$97,303  |
| 2011 | Taubman Center for State and Local Government Research Grant (\$15,000)  |

- 2011 Principal Investigator, *Energy Technology and Innovation Project*, “Cell Phones and Vehicle Safety.” \$32,822
- 2010 Principal Investigator, *Energy Technology and Innovation Project*, “Gasoline Taxes and Consumer Behavior.” \$59,243
- 2007 Principal Investigator, *Mossavar-Rahmani Center for Business and Government and 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 AWARDS AND EXPERIENCE**

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- 2017 Recipient of the Tom Mayer Distinguished Teaching Award, UC Davis
- 2013 Recipient of a Dean’s Award for Teaching, Harvard Kennedy School
- 2012 Recipient of a Dean’s Award for Teaching, Harvard Kennedy School
- 2008 Recipient of a Dean’s Award for Teaching, Harvard Kennedy School
- 2007 Recipient of a Dean’s Award for Teaching, Harvard Kennedy School
- 2006 Recipient of a Dean’s Award for Teaching, Harvard Kennedy School

#### UC-Davis:

- ECN221C: Graduate Industrial Organization (2014-present)
- ECN121B: Strategy, Competition and Regulation (2014-present)
- ECN145: Transportation Economics (2015 - present)

#### Harvard Kennedy School:

Executive Education: Modules on Empirical Methods and Environmental Policy

- BGP200: Strategy, Competition and Regulation (2008-2013)
- API105: Markets and Market Failure with Cases (2008)
- API201: 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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2017 UCLA (upcoming), LSU, UC Berkeley Energy Camp, NBER Hydrocarbon Infrastructure meeting, Empirical Methods in Energy Economics summer meeting

2016 AERE Summer meetings, UC Berkeley Energy Camp, Arizona

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*, *Journal of European Economic Association*, *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 the Association of Environmental and Resource Economics, 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, Contemporary Economics and Policy*

*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.*

Conference committee: *2016 AERE, 2017 AERE*

Session Chair: *2006 IIOC, 2012 ASSA, 2016 AERE.*

Conference co-organizer: *Making Social Science Transparent conference, UC Davis, April 2016*

Discussant: *2011 NBER EEE, ASSA Meetings (2017, 2015(x3), 2014 (x2), 2013, 2011), 2010 NBER Winter IO, IIOC (2010, 2008, 2007, 2006), 2007 Harvard Conference on Oil and Populism. 2016 SOCCAM Meeting*

## **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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### **Department Service:**

Graduate Program Chair (2016 – present)

Levine Family Seminar Series (2014)

Teaching Evaluation Committee (2014, 2015)

Industrial Organization Seminar Organizer (2015, 2016)

### **Division Service:**

Institute for Social Sciences Executive Committee (2015, 2016)

**University Service:**

Graduate Affairs Committee for Energy Graduate Group (2016 – present)  
Department Representative to the Academic Senate (2017 - present)

**Oral exam committee member:**

Khaled Kheiravar, Jiwon Lee, Ariel Pihl, Irwin Rojas (ARE), James Archsmith (chair), Yuan Chen (ARE), Guozhen Li (TTP), Hanjiro Ambrose (TTP), Tongxin Xu (TTP), Natalie Popovich (ARE), Jack Gregory (ARE)

**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, Michigan SNRE)  
James Archsmith (anticipated 2017)  
Kelsey Fortune  
Ethan Krohn  
Tongxin Xu (TTP)  
Jack Gregory (ARE)

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)