# CURRICULUM VITAE
# Roberton C. Williams III

## 1. PERSONAL INFORMATION

### Education

A.B., Economics, magna cum laude, Harvard College, 1994

Ph.D., Economics, Stanford University, 1999

### Academic Appointments at UMD

Visiting Associate Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, 2009-2010

Associate Professor, Department of Agricultural and Resource Economics, and Affiliate Associate Professor, Department of Economics, University of Maryland, College Park, 2010-2014

Professor, Department of Agricultural and Resource Economics, and Affiliate Professor, Department of Economics, University of Maryland, College Park, 2014-present

### Other Professional Experience

*All dates denote academic years except where otherwise noted*

Assistant Professor, Department of Economics, University of Texas at Austin, 1999–2007

Faculty Research Fellow, National Bureau of Economic Research, 2000–2008

Andrew W. Mellon Fellow, Economic Studies, Brookings Institution, 2002–03

Visiting Research Scholar, Stanford Institute for Economic Policy Research, 2003–04

Associate Professor (with tenure), Department of Economics, University of Texas at Austin, 2007–2010

University Fellow, Resources for the Future, Jan. 2019 - Dec. 2021

Chief Economist, Climate Leadership Council, Jan. 2019-Dec. 2021

Senior Fellow, Resources for the Future, 2009–2019 and Jan. 2022-present (also Director of Academic Programs, 2009-2018)

Research Associate, National Bureau of Economic Research, 2008-present

### Fields of Interest

Environmental Economics, Public Economics, Microeconomic Theory, Applied Microeconomics, Energy Economics

## 2. RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITES

*Note: All works listed in this CV follow the standard conventions used in economics: authors are listed in alphabetical order (except when there are large differences in contributions) and lead authorship is not assigned or designated.*

### a. Books.

### i. Books authored.

1) Nordhaus, William D. (Chair), Maureen L. Cropper, Francisco de la Chesnaye, Noah Diffenbaugh, David G. Hawkins, Roberta F. Mann, Brian C. Murray, John M. Reilly, Drew Shindell, Eric Toder, Roberton C. Williams III, and Catherine Wolfram (as a committee appointed by the National Academies, Board on Science, Technology, and Economic Policy), *Effects of U.S. Tax Policy on Greenhouse Gas Emissions,* National Academies Press, 2013.

### ii. Books edited.

1) Ian W.H. Parry, Adele Morris, and Roberton C. Williams III, *Implementing a US Carbon Tax: Challenges and Debates,* International Monetary Fund and Routledge Press, 2015.

### iii. Chapters in books.

1) Parry, Ian W.H., Roberton C. Williams III, and Lawrence H. Goulder, "When Can Carbon Abatement Policies Increase Welfare? The Fundamental Role of Distorted Factor Markets," in T. Tietenberg (ed*.), The Theory and Design of Emissions Trading Programs,* Ashgate Publishing, 2001. (Reprinted from *Journal of Environmental Economics and Management*, 1999, 37:52–84).

2) Goulder, Lawrence H., Ian W.H. Parry, Roberton C. Williams III, and Dallas Burtraw "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second-Best Setting," in L. Goulder (ed.), *Environmental Policy Making in Economies With Prior Tax Distortions*, Edward Elgar, 2002. (Reprinted from *Journal of Public Economics*, 1999, 72:329–360.)

3) Parry, Ian W.H., Roberton C. Williams III, and Lawrence H. Goulder, "When Can Carbon Abatement Policies Increase Welfare? The Fundamental Role of Distorted Factor Markets," in L. Goulder (ed.), *Environmental Policy Making in Economies With Prior Tax Distortions*, Edward Elgar, 2002. (Reprinted from *Journal of Environmental Economics and Management*, 1999, 37:52–84).

4) Williams, Roberton C., III, "Tax Normalizations, the Marginal Cost of Funds, and Optimal Environmental Taxes," in L. Goulder (ed.), *Environmental Policy Making in Economies With Prior Tax Distortions*, Edward Elgar, 2002. (Reprinted from *Economics Letters*, 2001, 71:137–142).

5) Williams, Roberton C., III, "Environmental Tax Interactions When Pollution Affects Health or Productivity," in L. Goulder (ed.), *Environmental Policy Making in Economies With Prior Tax Distortions*, Edward Elgar, 2002. (Reprinted from *Journal of Environmental Economics and Management*, 2002, 44:261–270).

6) Goulder, Lawrence H., Ian W.H. Parry, Roberton C. Williams III, and Dallas Burtraw "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second-Best Setting," in M. Hoel (ed.), *Recent Developments in Environmental Economics*, Edward Elgar, 2004. (Reprinted from *Journal of Public Economics*, 1999, 72:329–360.)

7) Parry, Ian W.H., and Roberton C. Williams III, "A Second-Best Evaluation of Eight Policy Instruments to Reduce Carbon Emissions," in M. Toman and B. Sohngen (eds.) *Climate Change*, Ashgate Publishing, 2004 (Reprinted from *Resource and Energy Economics* 1999, 21:347–373).

8) Parry, Ian W.H., Hilary Sigman, Margaret Walls, and Roberton C. Williams III, "The Incidence of Pollution Control Policies," in H. Fulmer and T. Tietenberg (eds.), *International Yearbook of Environmental and Resource Economics*, Edward Elgar, 2006, p. 1–42.

9) Goulder, Lawrence H., Ian W.H. Parry, Roberton C. Williams III, and Dallas Burtraw "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second-Best Setting," in T. Sterner and A. Muller (eds.) *Environmental Taxation in Practice*, Ashgate Publishing, 2006. (Reprinted from *Journal of Public Economics*, 1999, 72:329–360.)

10) West, Sarah E., and Roberton C. Williams III, "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes," in T. Sterner and A. Muller (eds.) *Environmental Taxation in Practice*, Ashgate Publishing, 2006. (Reprinted from *Journal of Environmental Economics and Management* 2004, 47:535–558.)

11) Goulder, Lawrence H., and Roberton C. Williams III, "The Substantial Bias from Ignoring General Equilibrium Effects in Estimating Excess Burden, and a Practical Solution," in R. Zerbe (ed.) *Benefit-Cost Analysis*, Edward Elgar, 2008. (Reprinted from *Journal of Political Economy*, 2003, 111:898–927).

12) Williams, Roberton C., III, Comments on "Environmental Taxation: What Have We Learned in This Decade?" in A. Viard (ed.), *Tax Policy Lessons from the 2000s*, AEI Press, 2009

13) Goulder, Lawrence H., Ian W.H. Parry, Roberton C. Williams III, and Dallas Burtraw "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a

Second-Best Setting," in R. Brooks, N. Keohane, and D. Kysar (eds.) *Economics of Environmental Law, Volume II: Issues and Applications*, Edward Elgar, 2009. (Reprinted from *Journal of Public Economics*, 1999, 72:329–360.)

14) West, Sarah E., and Roberton C. Williams III, "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes," in D. Fullerton (ed.) *Distributional Effects of Environmental and Energy Policy*, Ashgate Publishing, 2009. (Reprinted from *Journal of Environmental Economics and Management* 2004, 47:535–558.)

15) Williams, Roberton C., III, Comments on "How Much Should Highway Fuels Be Taxed?" in G. Metcalf (ed.), *United States Energy Tax Policy*, Cambridge University Press, 2010

16) Williams, Roberton C., III, "Overcoming Distributional Obstacles to Market-Based Environmental Policies," in I. Parry and F. Day (eds.) *Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy*, RFF Press, 2010.

17) West, Sarah E., and Roberton C. Williams III, "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes," in T. Sterner (ed.) *Fuel Taxes and the Poor: The Distributional Effects of Gasoline Taxation and Their Implications for Climate Policy*, RFF Press, 2011. (Reprinted from *Journal of Environmental Economics and Management* 2004, 47:535–558.)

18) Parry, Ian W.H., and Roberton C. Williams III, "Do U.S. Policymakers Have Better Alternatives to Cap and Trade?" in G. Ingram and Y. Hong (eds.) *The Environment, Climate Change, and Land Policies*, Lincoln Institute, 2011.

19) Williams, Roberton C., III, "Setting the Initial Time-Profile of Climate Policy: The Economics of Environmental Policy Phase-Ins," in D. Fullerton and C. Wolfram (eds.) *The Design and Implementation of U.S. Climate Policy*, University of Chicago Press, 2012.

20) Williams, Roberton C., III, Comments on "Upstream versus Downstream Implementation of Climate Policy," in D. Fullerton and C. Wolfram (eds.) *The Design and Implementation of U.S. Climate Policy*, University of Chicago Press, 2012.

21) Parry, Ian W.H., and Roberton C. Williams III, "Moving US Climate Policy Forward: Are Carbon Taxes the Only Good Alternative?" in R. Hahn and A. Ulph (eds.) *Climate Change and Common Sense: Essays in Honour of Tom Schelling*, Oxford University Press, 2012.

22) Parry, Ian, Rick van der Ploeg, and Roberton Williams, "How to Design a Carbon Tax", in R. de Mooij, I. Parry, and Michael Keen (eds.) *Fiscal Policy to Mitigate Climate Change: A Guide for Policymakers*, International Monetary Fund, 2012.

23) Parry, Ian W.H. and Roberton C. Williams III, "What are the Costs of Meeting Distributional Objectives for Climate Policy?" in M. Cohen, D. Fullerton, and R. Topel (eds.) *Distributional Aspects of Energy and Climate Policies*, Edward Elgar, 2013. (Reprinted from *The B.E. Journal of Economic Analysis & Policy*, 2010, 10(2): Article 9.)

24) Roberton C. Williams III and Casey J. Wichman, "Macroeconomic Effects of Carbon Taxes" in I. Parry, A. Morris, and R. Williams (eds.), *Implementing a US Carbon Tax: Challenges and Debates* International Monetary Fund and Routledge Press, 2015.

25) "Environmental Taxation," in A. Auerbach and K. Smetters (eds.) *The Economics of Tax Policy*, Oxford University Press, 2017.

**b. Articles in Refereed Journals.**

1) Parry, Ian W.H., and Roberton C. Williams III, "A Second-Best Evaluation of Eight Policy Instruments to Reduce Carbon Emissions," *Resource and Energy Economics* 1999, 21:347–373

2) Parry, Ian W.H., Roberton C. Williams III, and Lawrence H. Goulder, "When Can Carbon Abatement Policies Increase Welfare? The Fundamental Role of Distorted Factor Markets," *Journal of Environmental Economics and Management*, 1999, 37:52–84

3) Goulder, Lawrence H., Ian W.H. Parry, Roberton C. Williams III, and Dallas Burtraw "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second-Best Setting," *Journal of Public Economics*, 1999, 72:329–360

4) Williams, Roberton C., III, "Revisiting the Cost of Protectionism: The Role of Tax Distortions in the Labor Market," *Journal of International Economics*, 1999, 47:429–447

5) Williams, Roberton C., III, "Tax Normalizations, the Marginal Cost of Funds, and Optimal Environmental Taxes," *Economics Letters*, 2001, 71:137–142

6) Williams, Roberton C., III, "Environmental Tax Interactions When Pollution Affects Health or Productivity," *Journal of Environmental Economics and Management*, 2002, 44:261–270

7) Williams, Roberton C., III, "Health Effects and Optimal Environmental Taxes," *Journal of Public Economics*, 2003, 87:323–335

8) Goulder, Lawrence H., and Roberton C. Williams III, "The Substantial Bias from Ignoring General Equilibrium Effects in Estimating Excess Burden, and a Practical Solution," *Journal of Political Economy*, 2003, 111:898–927

9) West, Sarah E., and Roberton C. Williams III, "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes," *Journal of Environmental Economics and Management* 2004, 47:535–558

10) Parry, Ian W.H., and Roberton C. Williams III, "The Death of the Pigouvian Tax: Comment," *Land Economics*, 2004, 80:575–581

11) Goulder, Lawrence H., Ian W.H. Parry, and Roberton C. Williams III, "Evaluating Public Goods and Regulations: Comment," *Journal of Economic Perspectives*, 2005, 19:233–234

12) West, Sarah E., and Roberton C. Williams III, "Optimal Taxation and Cross-Price Effects on Labor Supply: Estimates of the Optimal Gas Tax," *Journal of Public Economics*, 2007, 91:593–617.

13) Parry, Ian W.H., and Roberton C. Williams III, "What are the Costs of Meeting Distributional Objectives for Climate Policy?" *The B.E. Journal of Economic Analysis & Policy*, 2010, 10(2): Article 9.

14) Gan, Li, Roberton C. Williams III, and Thomas Wiseman, "A Simple Model of Optimal Hate Crime Legislation," *Economic Inquiry*, 2011, 49:674-684.

15) Williams, Roberton C., III, "Growing State-Federal Conflicts in Environmental Policy: The Role of Market-Based Regulation," *Journal of Public Economics*, 2012, 96(11-12):1092-1099.

16) Goulder, Lawrence H., and Roberton C. Williams III, "The Choice of Discount Rate for Climate Change Policy Evaluation," *Climate Change Economics*, 2012, 3(4), 1250024:1-18.

17) Williams, Roberton C., III, Hal Gordon, Dallas Burtraw, Jared Carbone, and Richard Morgenstern, "The Initial Incidence of a Carbon Tax across U.S. States," *National Tax Journal*, 2014, 67(4):807-830.

18) Goulder, Lawrence H., Marc A.C. Hafstead, and Roberton C. Williams III, "General Equilibrium Impacts of a Federal Clean Energy Standard," *American Economic Journal: Economic Policy*, May 2016, 8(2):186-218.

19) Marc A.C. Hafstead and Roberton C. Williams III, "Unemployment and Environmental Regulation in General Equilibrium," *Journal of Public Economics*, 2018, 160:50-65.

20) Marc A.C. Hafstead and Roberton C. Williams III, "Jobs and Environmental Regulation," *Environmental and Energy Policy and the Economy*, 2020, 1:192-240.

21) Marc A.C. Hafstead and Roberton C. Williams III, "Designing and Evaluating a Carbon Tax Adjustment Mechanism to Reduce Emissions Uncertainty," *Review of Environmental Economics and Policy,* 2020, 14(1):95-113.

22) Marc Hafstead, Roberton C. Williams III, and Yunguang Chen "Environmental Policy, Full-Employment Models, and Employment: A Critical Analysis," *Journal of the Association of Environmental and Resource Economists*, 2022, 9(2):199-234.

23) Joseph E. Aldy, Dallas Burtraw, Carolyn Fischer, Meredith Fowlie, Roberton C. Williams III, and Maureen L. Cropper, "How Is the US Pricing Carbon? How Could We Price Carbon?" *Journal of Benefit-Cost Analysis*, 2022, 13(3):310-334.

**c. Monographs, Reports, and Extension Publications.**

1) Hafstead, Marc, Lawrence H. Goulder, Raymond J. Kopp, and Roberton C. Williams III, "Macroeconomic Analysis of Federal Carbon Taxes" Resources for the Future Policy Brief, June 13, 2016.

2) Marc A.C. Hafstead, Wesley Look, Amelia Keyes, Joshua Linn, Dallas Burtraw, Roberton C. Williams III, "An Analysis of Decarbonization Methods in Vermont" Resources for the Future Report, January 2019

3) Roberton C. Williams III, "How to Change U.S. Climate Policy after There Is a Price on Carbon," Hamilton Project Policy Proposal 2019-15, October 2019

**d. Book Reviews, Other Articles, and Notes.**

*(Note: articles 1 and 2, below, were published in the Harvard Environmental Law Review (HELR), the top-ranked professional journal for environmental law. They appear here under "other articles" because the HELR, like all law reviews, is edited by law students and thus is not peer-reviewed)*

1) Hafstead, Marc, Gilbert Metcalf, and Roberton C. Williams III, "Adding Quantity Certainty to a Carbon Tax: The Role of a Tax Adjustment Mechanism for Policy Pre-Commitment" *Harvard Environmental Law Review Forum*, 2017, 41:41-57.

2) Aldy, Joseph, Marc Hafstead, Gilbert Metcalf, Brian Murray, William Pizer, Christina Reichert, and Roberton C. Williams III, "Resolving the Inherent Uncertainty of Carbon Taxes: Introduction" *Harvard Environmental Law Review Forum*, 2017, 41:1-13.

**e. Talks, Abstracts, and Other Professional Papers Presented.**

**i. Invited talks, etc.**

***Keynotes***

1) "Tax Interaction Research: Past, Present, & Future, and Some Thoughts on Good Environmental Economics Research Topics" Keynote address, Colorado Environmental and Resource Economics Workshop, Vail, CO, September 21, 2007.

2) "Environmental Tax Interaction Research: Past, Present, and Future" Luncheon keynote talk, Camp Resources, Asheville, NC, August 13, 2009.

3) "Measurement and Modeling of Intergenerational Welfare Effects of Energy/Environmental Policies: Analysis of a US Carbon Tax" Keynote lecture, Taiwan Research Institute Conference on Strategic Policy for Green Growth and Green Industrial Development, Taipei, Taiwan, November 14, 2014.

4) "From the Job Market to Tenure: Advice for New Economists" Keynote talk, Canadian PhD and Early Career Workshop in Environmental Economics and Policy, University of Ottawa, June 1, 2016.

5) "Overlapping Generations Models and Their Application to Evaluate Intergenerational Equity Effects of Environmental and Natural Resource Policy" Keynote lecture, Annual Meeting of the Taiwan Association of Environmental and Resource Economists, Taipei, Taiwan, December 16, 2016.

6) "A Carbon Tax Isn't Just a Consumption Tax: Sources-Side Incidence of Environmental Policy" Keynote talk, European Association of Environmental and Resource Economists Post-Conference Workshop on The Economics of Inequality and the Environment, Leipzig, Germany (moved online due to COVID-19), September 23, 2020.

7) "Distributional Effects of Carbon Pricing: Lessons from Recent Research" Keynote talk, Workshop on the Distributional Impacts of Carbon Pricing, Energy Studies Institute, National University of Singapore, Singapore (online), March 1, 2023.

***Invited seminars***

1) "Revisiting the Cost of Protectionism: The Role of Tax Distortions in the Labor Market" University of Texas, November 6, 1998.

2) "Revisiting the Cost of Protectionism: The Role of Tax Distortions in the Labor Market" Duke University, January 21, 1999.

3) "The Usual Excess-Burden Approximation Usually Doesn't Come Close" University of Texas, January 26, 1999.

4) "Environmental Tax Interactions When Pollution Affects Health or Productivity" Resources for the Future, February 9, 1999.

5) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" University of Virginia, August 29, 2002.

6) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" Brookings Institution, October 9, 2002.

7) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" University of Maryland, May 9, 2003.

8) "Prices vs. Quantities vs. Tradable Quantities" Resources for the Future, May 27, 2003.

9) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" U.S. Environmental Protection Agency, June 3, 2003.

10) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" Syracuse University, September 18, 2003.

11) "The Design of Emissions Permit Systems: Should Trading Be Allowed, and If So, How Large Should Trading Zones Be?" Stanford University, October 27, 2003.

12) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" University of California, Berkeley, February 3, 2004.

13) "Empirical Estimates of the Optimal Gasoline Tax" Stanford University, February 25, 2004.

14) "Empirical Estimates of the Optimal Gasoline Tax" University of California, Santa Barbara, May 21, 2004.

15) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" MIT (joint with Harvard University), October 13, 2004.

16) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" Harvard University (joint with MIT), October 26, 2005,

17) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" Stanford University, December 7, 2005.

18) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" Research Triangle Institute (joint with Duke, University of North Carolina, and North Carolina State), December 13, 2005

19) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" Rice University, January 11, 2006

20) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" Yale University, April 5, 2006

21) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" University of Oklahoma, September 29, 2006.

22) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" University of Maryland, October 9, 2006.

23) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" University of British Columbia, September 28, 2007

24) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" Wellesley College, March 11, 2008.

25) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of Colorado, April 10, 2008.

26) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of California, San Diego, October 24, 2008

27) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" Resources for the Future, December 19, 2008

28) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of Maryland – College Park, January 23, 2009

29) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" Texas A&M University, March 27, 2009

30) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" Cornell University, September 4, 2009.

31) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of Missouri, September 25, 2009.

32) "Comments on 'Pricing is a Better Climate Commitment' by Peter Cramton and Steven Stoft" World Bank, February 24, 2010.

33) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of Alberta, September 17, 2010.

34) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" University of Calgary, September 20, 2010.

35) "Moving US Climate Policy Forward: Are Carbon Tax Shifts the Only Good Alternative?" Resources for the Future, November 9, 2010.

36) "Moving US Climate Policy Forward: Are Carbon Tax Shifts the Only Good Alternative?" International Monetary Fund, December 10, 2010.

37) "Modeling a Carbon Tax in General Equilibrium" Congressional Budget Office, May 15, 2012.

38) "Carbon Taxes and Deficit Reduction" Georgia Tech, November 16, 2012.

39) "Carbon Taxes and Deficit Reduction" University of Arizona, March 5, 2013

40) "General Equilibrium Impacts of a Federal Clean Energy Standard" University of Ottawa, October 11, 2013

41) "General Equilibrium Impacts of a Federal Clean Energy Standard" University of New South Wales, November 26, 2013

42) "Unemployment and Environmental Regulation in General Equilibrium" National Center for Environmental Economics, US Environmental Protection Agency, August 12, 2014

43) "Unemployment and Environmental Regulation in General Equilibrium" University of Michigan, November 21, 2014

44) "The Initial Incidence of a Carbon Tax across Income Groups and US States: Linking Overlapping Generations and Microsimulation Models" National Economic Club and Society of Government Economists joint luncheon, April 16, 2015

45) "Unemployment and Environmental Regulation in General Equilibrium" Paris School of Economics, October 23, 2017

46) "Environmental Policy, Full-Employment Models, and Employment: A Critical Analysis," University of Illinois, October 23, 2018

47) "Environmental Policy, Full-Employment Models, and Employment: A Critical Analysis," Arizona State University, November 14, 2018

48) "How Research Informs Policy Advocacy: Modeling the Effects of the Climate Leadership Council's Carbon Dividends Plan," Georgetown University, October 10, 2019

49) "A Numeraire-Independent Decomposition of Uses- and Sources-Side Tax Incidence, with an Application to the Incidence of a Carbon Tax," Stanford University (online due to COVID-19), May 4, 2021

50) "Distributional Effects of Environmental Regulation across Workers: A General-Equilibrium Analysis," Tufts University (online due to COVID-19), January 21, 2022

51) "Distributional Effects of Environmental Regulation across Workers: A General-Equilibrium Analysis," Sanford School of Public Policy, Duke University, January 23, 2023

***Conference Presentations***

1) "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second Best Setting" NBER Summer Institute on Public Policy and the Environment, August 4, 1997.

2) "Environmental Policy in a Tax-Distorted Economy" (poster presentation), EPA STAR Fellowship Conference, June 15, 1998.

3) "Environmental Tax Interactions When Environmental Quality Has Productivity or Health Effects" (research sketch), NBER Summer Institute on Public Policy and the Environment, August 3, 1998.

4) "The Double Dividend When Environmental Quality Affects Health or Productivity" National Tax Association Annual Conference on Taxation, November 8, 1998.

5) "The Usual Excess-Burden Approximation Usually Doesn't Come Close" NBER Public Economics Program Spring Meeting, April 9, 1999.

6) "Tax Interactions in a Dynamic Model with Capital Accumulation" Lonestars Conference, October 24, 1999.

7) "Comments on 'Second-Best Taxation of Emissions and Polluting Goods' by Helmuth Cremer and Firouz Gahvari" ASSA Annual Meetings (Econometric Society Session), January 7, 2000.

8) "The Usual Excess-Burden Approximation Usually Doesn't Come Close" ASSA Annual Meetings (Econometric Society Session), January 9, 2000.

9) "Climate Change Policy in a Tax-Distorted Economy" US-Japan Joint Initiative on Climate Change Issues, May 23, 2000.

10) "Should Emissions Permit Programs Allow Trading and Banking" NBER Summer Institute on Public Policy and the Environment, August 9, 2000.

11) "Should Emissions Permit Programs Allow Trading or Banking?" Lonestars Conference, October 14, 2000.

12) "The Importance of Tax Interactions for the Costs and Benefits of Government Policies" National Tax Association Annual Conference on Taxation, November 10, 2000.

13) "Prices vs. Quantities vs. Tradable Quantities" ASSA meetings (Association of Environmental and Resource Economists session), January 6, 2001.

14) "Empirical Estimates for Environmental Policymaking in a Second-Best World" NBER Summer Institute on Public Policy and the Environment, July 30, 2001.

15) "Comments on 'Environmental Taxes with Heterogeneous Consumers' by Helmuth Cremer, Firouz Gahvari, and Norbert Ladoux" NBER Summer Institute on Public Policy and the Environment, July 30, 2001.

16) "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes" NBER Environmental Economics Pre-Conference, November 3, 2001.

17) "The Usual Excess-Burden Approximation Usually Doesn't Come Close" UT-ITAM Economics Conference, November 16, 2001.

18) "Comments on 'After Kyoto: Alternative Mechanisms to Control Global Warming' by William Nordhaus" ASSA Meetings (American Economics Association - Association of Environmental and Resource Economists session), January 4, 2002.

19) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" ASSA Meetings (Association of Environmental and Resource Economists Session), January 5, 2002.

20) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" NBER Environmental Economics Working Group Spring Meeting, April 6, 2002.

21) "Estimates from a Consumer Demand System: Implications for the Incidence of Environmental Taxes" NBER Empirical Environmental Economics Conference, May 18, 2002.

22) "Comments on 'Non-Distortionary Properties of Environmental Taxes' by Talbot Page" World Congress of Environmental and Resource Economists, June 26, 2002.

23) "Comments on 'Interaction between Local Air Pollution and Global Warming and Its Policy Implications for Belgium' by Denise Van Regemorter and Stef Proost" World Congress of Environmental and Resource Economists, June 27, 2002.

24) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" World Congress of Environmental and Resource Economists, June 27, 2002.

25) "Comments on 'Green Markets and Private Provision of Public Goods' by Matthew Kotchen" NBER Summer Institute on Public Policy and the Environment, July 29, 2002.

26) "An Econometrically Based Assessment of the Optimal Second-Best Gasoline Tax in a Setting with Heterogeneous Consumers" ASSA Meetings (American Economic Association session) January 3, 2003.

27) "Comments on 'Estimating the General Equilibrium Benefits of Large Changes in Spatially Delineated Public Goods' by Holger Sieg, Kerry Smith, Spencer Banzhaf, and Randy Walsh" Workshop on Equilibrium Modeling Approaches, Stanford University, March 1, 2003.

28) "Carbon Taxes and Trades" EPA Conference on Market Mechanisms and Incentives, May 1, 2003.

29) "The Design of Emissions Permit Systems: Should Trading Be Allowed, and If So, How Large Should Trading Zones Be?" UT-ITAM Economics Conference, October 25, 2003.

30) "Empirical Estimates for Environmental Policy Making in a Second-Best Setting" Southern Economics Association Annual Meeting, November 22, 2003.

31) "Comments on 'Trading Quasi-Emission Permits' by Juan-Pablo Montero" ASSA Meetings (Latin American and Caribbean Economic Association session), January 4, 2004.

32) "Cost-Effectiveness vs. Hot Spots: Determining the Optimal Size of Emissions Permit Trading Zones" ASSA Meetings (American Economic Association Session), January 5, 2004.

33) "An Econometrically Based Assessment of the Optimal Second-Best Gasoline Tax in a Setting with Heterogeneous Consumers" Association of Environmental and Resource Economists Summer Workshop, June 14, 2004.

34) "Comments on 'On the (Ir)Relevance of Distribution and Labor Supply Distortion to Government Policy" NBER Summer Institute on Public Policy and the Environment, August 2, 2004.

35) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" UT-ITAM Economics Conference, October 22, 2004.

36) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" NBER Public Economics Program Fall Meeting, October 28, 2004.

37) "The Cost of Reducing Gasoline Consumption" ASSA Meetings (American Economic Association session), January 7, 2005.

38) "Optimal Commodity Taxes, Public Good Provision, and Pollution Taxes: Reconciling Results from Representative-Agent and Multiple-Agent Models" ASSA Meetings (Association of Environmental and Resource Economists session), January 8, 2005

39) "Comments on 'Why is the Public Sector More Labor-Intensive? A Distortionary Tax Argument' by Panu Poutvaara and Andreas Wagener" ASSA Meetings (Econometric Society session), January 8, 2005.

40) "Market-Based Environmental Regulation" NBER Economics of Regulation Pre-Conference, February 3, 2005.

41) "Comments on 'Optimal Commodity Taxation When Land and Structures Must Be Taxed at the Same Rate' by Saku Aura and Thomas Davidoff" NBER Summer Institute on Real Estate and Local Public Finance, July 27, 2005.

42) "Comments on 'An Integrated Model of Downtown Parking and Traffic Congestion' by Richard Arnott and Eren Inci" NBER Summer Institute on Public Policy and the Environment, July 28, 2005.

43) "Market-Based Environmental Regulation" National Bureau of Economic Research Economics of Regulation Conference, September 10, 2005

44) "Comments on 'On Optimal Legal Change, Past Behavior, and Grandfathering' by Steven Shavell" NBER Summer Institute on Public Policy and the Environment, July 27, 2006.

45) "Comments on 'Asset Selection and Under-Diversification with Financial Constraints and Income: Implications for Household Portfolio Studies' by Hervé Roche and Stathis Tompaidis" UT-ITAM Economics Conference, November 17, 2006.

46) "Comments on 'Environmental Taxation: What Have We Learned in this Decade?' by Gilbert Metcalf" American Enterprise Institute Conference on Tax Policy Lessons from the 2000s, May 30, 2008.

47) "Distribution, Distortionary Taxation, and the Evaluation of Public Goods" European Association of Environmental and Resource Economists Annual Conference, June 27, 2008.

48) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" European Association of Environmental and Resource Economists Annual Conference, June 28, 2008.

49) "Growing Conflicts of Interest" NBER Pre-Conference on Fiscal Federalism, July 22, 2009.

50) "Comments on 'Time to Raise Gasoline and Diesel Taxes?' by Ian Parry" American Tax Policy Institute Conference on US Energy Taxes, October 16, 2009.

51) "Comments on 'Unintended Consequences from Nested State & Federal Regulations: The Case of the Pavley Greenhouse-Gas-per-Mile Limits' by Lawrence Goulder, Mark Jacobsen, and Arthur van Benthem" National Tax Association Annual Conference on Taxation, November 12, 2009.

52) "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity" National Tax Association Annual Conference on Taxation, November 13, 2009.

53) "Efficiency and Distributional Trade-Offs in Recycling Carbon Cap-and-Trade Revenues" Chicago-RFF-Illinois Symposium on Distributional Aspects of Energy and Climate Policy, January 20, 2010.

54) "Growing State-Federal Conflicts of Interest in Environmental Policy: The Role of Market-Based Regulation" NBER Fiscal Federalism Conference , March 26, 2010.

55) "Comments on 'Insurance Benefits from Progressive Taxes and Transfers' by Hilary Hoynes and Erzo Luttmer" NBER Fiscal Federalism Conference, March 26, 2010

56) "Setting the Initial Time Profile of Climate Policy" NBER Conference on the Design and Implementation of U.S. Climate Policy, May 13, 2010.

57) "Comments on 'Upstream versus Downstream Implementation of Climate Policy' by Erin Mansur" NBER Conference on the Design and Implementation of U.S. Climate Policy, May 13, 2010.

58) "Do U.S. Policymakers have Better Alternatives to Cap and Trade?" Lincoln Institute Conference on The Environment, Climate Change, and Land Policies, May 25, 2010.

59) "Choosing Among Environmental Policy Instruments: Tax, Cap & Trade, or Traditional Regulation" Lewis & Clark Law School Fall Forum: Taxation and the Environment, October 8, 2010.

60) "Some Thoughts on Including General-Equilibrium Effects in Cost-Benefit Analysis" Developing Standards for Benefit-Cost Analysis Conference, October 18, 2010.

61) "Comments on 'A Global Economy-Climate Model with High Regional Resolution' by Per Krusell and Anthony Smith" Conference on Macroeconomics and the Environment, Arizona State University, May 5, 2011

62) "Comments on 'Taxation and the Extraction of Exhaustible Resources: Evidence from California Oil Production' by Nirupama Rao" Chicago-RFF Energy Policy Symposium, June 21, 2011

63) "Comments on 'Emissions Pricing to Stabilize Global Climate' by Valentina Bosetti, Sergey Paltsev, John Reilly, and Carlo Carraro" IMF Workshop on Fiscal Policy and Climate Mitigation, September 16, 2011

64) "Comments on 'Fiscal Instruments for Climate Finance' by Ruud de Mooij and Michael Keen" IMF Workshop on Fiscal Policy and Climate Mitigation, September 16, 2011

65) "Carbon Tax Design" IMF Workshop on Fiscal Policy and Climate Mitigation, September 16, 2011

66) "The Choice of Discount Rate for Climate Change Policy Evaluation" Stanford-RFF Workshop on The Next Round of Climate Economics & Policy Research, October 28, 2011

67) "Comments on 'Leakage from Sub-National Climate Initiatives' by Justin Caron, Sebastian Rausch, and Niven Winchester" Allied Social Sciences Association Meetings, January 6, 2012

68) “Comments on ‘Prices versus Quantities versus Bankable Quantities’ by Harrison Fell, Ian MacKenzie, and William Pizer” NBER Environmental and Energy Economics Program Meeting, March 10, 2012.

69) “Carbon Taxes and Deficit Reduction” Northeast Workshop on Energy Policy and Environmental Economics, Cornell University, May 5, 2012

70) “Carbon Taxes and Deficit Reduction” Association of Environmental and Resource Economists Summer Conference, June 4, 2012.

71) “Carbon Taxes and Deficit Reduction” Cowles Summer Conference on Macroeconomics and Climate Change, June 12, 2012

72) “Carbon Taxes and Deficit Reduction” presentation at Carbon Tax Workshop, Brookings Institution, July 27, 2012

73) “Design Issues in Carbon Cap and Trade Systems: Allowance Allocation and Price Volatility” presentation at the Low Carbon Development Partnership Summit, Zhuhai, China, August 25, 2012

74) "Choosing among Carbon Mitigation Policies: Carbon Tax, Emissions Trading, or Traditional Regulation", AEI-Brookings-IMF-RFF Conference on the Economics of Carbon Taxes, November 13, 2012

75) "Economic Effects of Carbon Taxes", AEI-Brookings-IMF-RFF Conference on the Economics of Carbon Taxes, November 13, 2012

76) “Designing a US Carbon Tax”, ASSA Meetings (AEA/AERE Session), January 5, 2013

77) “Comments on ‘Optimal Taxes on Fossil Fuel in General Equilibrium’ by Mikhail Golosov, John Hassler, Per Krusell, and Aleh Tsyvinski” NBER Public Economics Program Meeting, April 4, 2013

78) “Carbon Pricing within the Fiscal System: Implications of Climate Risk” Conference on Pricing Climate Risk, Arizona State University, April 13, 2013

79) “General Equilibrium Impacts of a Federal Clean Energy Standard” Northeast Workshop on Energy Policy and Environmental Economics, Cornell University, May 11, 2013

80) “Carbon Taxes, Tax Reform, and Deficit Reduction” Association of Environmental and Resource Economists Summer Conference, June 8, 2013.

81) “General Equilibrium Impacts of a Federal Clean Energy Standard” NBER Summer Institute on Environmental and Energy Economics, July 23, 2013

82) “The Initial Incidence of a Carbon Tax across Income Groups and Geography” National Tax Association Spring Symposium, Washington, DC, May 15, 2014

83) "Carbon Taxes, Tax Reform, and Deficit Reduction" Workshop on Closing the Carbon Price Gap: Public Finance and Climate Policy, Mercator Research Institute on Global Commons and Climate Change, Berlin, Germany, May 22, 2014

84) "Comments on 'Environmental Policy and Simultaneous Incentives for Process and Product Innovation' by Daniel Roemer, Bouwe Dijkstra, and Frans de Vries", World Congress of Environmental and Resource Economists, Istanbul, Turkey, June 30, 2014

85) "General Equilibrium Impacts of Federal Clean Energy Standards, World Congress of Environmental and Resource Economists, Istanbul, Turkey, June 30, 2014

86) "Comments on 'The Incidence of Energy Policy Reform: Fossil Fuel Subsidies in Southeast Asia' by Ian Coxhead and Corbett Grainger", World Congress of Environmental and Resource Economists, Istanbul, Turkey, July 1, 2014

87) "The Initial Incidence of a Carbon Tax across Income Groups and Geography", World Congress of Environmental and Resource Economists, Istanbul, Turkey, July 1, 2014

88) "Environmental Tax Reforms: Theory and North American Experiences/Prospects", World Congress of Environmental and Resource Economists, Istanbul, Turkey, July 1, 2014

89) "The Initial Incidence of a Carbon Tax across Income Groups and Geography" Energy Modeling Forum 32, October 23, 2014

90) "Measurement and Modeling of Intergenerational Welfare Effects of Energy/Environmental Policies" Taiwan Research Institute Conference on Strategic Policy for Green Growth and Green Industrial Development, November 13, 2014

91) "The Initial Incidence of a Carbon Tax across Income Groups and US States: Linking Overlapping Generations and Microsimulation Models" National Economic Club and Society of Government Economists joint luncheon, April 16, 2015

92) "Comments on 'Offset Credits in the EU Emissions Trading System: A Firm-Level Evaluation of Transaction Costs' by Helene Naegele" Empirical Methods in Energy Economics, College Park MD, July 10, 2015

93) "Comments on 'Imperfect Markets versus Imperfect Regulation in U.S. Electricity Generation' by Steve Cicala" National Bureau of Economic Research Summer Institute on Environmental and Energy Economics, July 21, 2015

94) "Cost-Effectiveness of Various Policies to Reduce Greenhouse Gas Emissions" US Climate Policy Workshop: Interplay between Taxes, Subsidies, and Regulations, November 18, 2015

95) "Environmental Taxation" Berkeley-Wharton-Urban-Brookings Conference on the Economics of Tax Policy, December 3, 2015

96) "Intergovernmental Externalities and Incentives for Sub-National Environmental Policy" Payne Institute Conference, Colorado School of Mines, February 25, 2016

97) "Comments on 'Are Carbon Taxes More Efficient in Rapidly Industrializing Countries? Comparing China and India to the United States' by Richard Carson, Mark Jacobsen, and Antung Liu" Allied Social Sciences Association Meetings, January 8, 2017

98) "Environmental Policy, Full-Employment Models, and Employment: A Critical Analysis" Northeast Workshop on Energy Policy and Environmental Economics, Columbia University, May 17, 2018

99) "Mechanisms to Reduce Emissions Uncertainty under a Carbon Tax" Resources for the Future/Environmental Defense Fund Carbon Tax Emissions Uncertainty Workshop, June 4, 2018

100) "Modeling Transitional Labor Dynamics in Computable General Equilibrium Models" EPA Workshop on Modeling Transitional Labor Dynamics in Economy-Wide Analysis of Environmental Regulations, June 5, 2018

101) "Comparing Alternative Labor-Market Representations for Modeling Employment Effects of Environmental Regulations" EPA-Brookings Workshop on Modeling Transitional Labor Dynamics in Economy-Wide Analysis of Environmental Regulations, December 13, 2018

102) "Jobs and Environmental Regulation" National Bureau of Economic Research Environmental and Energy Policy and the Economy Conference, May 16, 2019

103) "Distributional Effects of Environmental Regulation across Workers: A General-Equilibrium Analysis" Association of Environmental and Resource Economists Summer Conference, May 31, 2019

104) "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis" Northeast Workshop on Energy Policy and Environmental Economics, Harvard University, June 13, 2019

105) "How to Change U.S. Climate Policy after There's a Price on Carbon" Hamilton Project Author's Conference, Brookings Institution, July 30, 2019

106) "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis" National Tax Association Annual Conference on Taxation, November 21, 2019

107) "A Numeraire-Independent Decomposition of Uses- and Sources-Side Tax Incidence, with an Application to the Incidence of a Carbon Tax" National Tax Association Annual Conference on Taxation, November 22, 2019

108) "Comments on 'The Fiscal Costs of Climate Change' by Lint Barrage," Allied Social Sciences Association Meetings, January 3, 2020

109) "Comments on 'The Macro Effects of Climate Policy Uncertainty' by Stephie Fried, Kevin Novan, and William Peterman," Allied Social Sciences Association Meetings, January 3, 2020

110) "Incorporating Job Quality and Capital into Labor Search Friction CGE Models," National Center for Environmental Economics Computable General Equilibrium Modeling Workshop (moved online due to COVID-19), June 24, 2020

111) "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis," 76th Annual Congress of the International Institute of Public Finance (moved online due to COVID-19), August 21, 2020

112) "Comments on 'Unilaterally Optimal Climate Policy and the Green Paradox' by Gilbert Kollenbach and Mark Schopf," 76th Annual Congress of the International Institute of Public Finance (moved online due to COVID-19), August 21, 2020

113) "Accommodating Fast- and Slow-Adjusting Dynamics via Variable-Length Time Periods" National Center for Environmental Economics Workshop on Modeling Transitional Labor Dynamics in Economy-Wide Analysis of Environmental Regulations (online due to COVID-19), September 17, 2020.

114) "Comments on 'Climate Change, Directed Innovation, and Energy Transition: The Long-run Consequences of the Shale Gas Revolution' by Daron Acemoglu, Philippe Aghion, Lint Barrage, and David Hémous," Allied Social Sciences Association Meetings (online due to COVID-19), January 5, 2021.

115) "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis," Bern Energy Economics Workshop, University of Bern, Switzerland, August 26, 2021.

116) "How Is the US Pricing Carbon? How Should We Price Carbon?" Allied Social Sciences Association Meetings (online due to COVID-19), January 9, 2022.

117) "Job Quality and the Distributional Effects of Environmental Policy" NBER Distributional Consequences of New Energy Policies Preconference (online due to COVID-19), May 23, 2022.

118) "Research Strategies for Better Climate Change Policy" Workshop on The Political Economy of Climate Change Policy, Harvard University, December 2, 2022.

119) "Comments on 'China's Nationwide CO2 Emissions Trading System: A General Equilibrium Assessment' by Lawrence H. Goulder, Xianling Long, Chenfei Qu, and Da Zhang," National Bureau of Economic Research Environment and Energy Economics Program Meeting, March 30, 2023 (scheduled).

120) "Is Broader Always Better? Preexisting Taxes and the Scope of Emissions Pricing" National Tax Association Spring Symposium, May 12, 2023 (scheduled).

**ii. Conference proceedings.**

1) Williams, Roberton C., III, "The Double Dividend When Environmental Quality Affects Health or Productivity," *Proceedings of the National Tax Association*, November 1998 meetings, 63–69

2) Williams, Roberton C., III, "The Importance of Tax Interactions for the Costs and Benefits of Government Policies," *Proceedings of the National Tax Association*, November 2000 meetings, 156–163

3) West, Sarah E., and Roberton C. Williams III, "The Cost of Reducing Gasoline Consumption," *American Economic Review*, May 2005, 95:294–299

4) Williams, Roberton C., III, Hal Gordon, Dallas Burtraw, Jared Carbone, and Richard Morgenstern, "The Initial Incidence of a Carbon Tax across Income Groups," *National Tax Journal*, 2015, 68(1):195-214.

5) Marc A. C. Hafstead and Roberton C. Williams III, "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis," *Proceedings of the National Tax Association 112th Annual Conference on Taxation*, 2019

6) Roberton C. Williams III, "A Numeraire-Independent Decomposition of Uses- and Sources-Side Tax Incidence, with an Application to the Incidence of a Carbon Tax" *Proceedings of the National Tax Association 112th Annual Conference on Taxation*, 2019

**f. Films, CDs, Photographs, Websites, etc.**

**g. Exhibits, Performances, Demonstrations, and Other Creative Activities**

**h. Original Designs, Plans, Inventions, Software, and/or Patents.**

**i. Contracts and Grants.**

1) Linden Trust for Conservation and Resources for the Future New Frontiers Fund, "Employment Effects and the Evaluation of Environmental Policy" $100,000, Principal Investigator, 2013-14

2) National Science Foundation, "The Interface of Infrastructures, Markets, and Natural Cycles, Innovative Modeling and Control Mechanisms for Managing Electricity, Water and Air Quality in Texas," $2,000,000, Co-Principal Investigator, 2008–2012

3) National Oceanic and Atmospheric Administration, "Developing and Estimating a Comprehensive Model of Commercial Fishing Effort," $64,166, Principal Investigator (on behalf of Tess Stafford, Ph.D. student), 2008–2010

4) Smith Richardson Foundation, "Pollution Regulation Under Asymmetric Information," $60,000, Principal Investigator, 2003–04

**j. Fellowships, Prizes, and Awards.**

1) *Economic Inquiry* Best Article Award, 2011, for "A Simple Model of Optimal Hate Crime Legislation" (co-authored with Li Gan and Thomas Wiseman)

2) Big XII Faculty Fellowship, 2007–08

3) Dean's Fellowship, University of Texas, Spring 2003 and Spring 2008

4) Andrew W. Mellon Fellowship in Economic Studies, Brookings Institution, 2002–2003

5) Second Place, National Tax Association Outstanding Doctoral Dissertation Award, 2000

6) Environmental Protection Agency STAR Graduate Fellowship, 1997–1999

7) National Science Foundation Graduate Fellowship, 1994–1997

8) Jacob Javits Graduate Fellowship for 1994–98 (declined in favor of NSF fellowship)

9) John Harvard (1992–94) and Harvard College (1991–92) Honorary Scholarships

10) Major H (varsity letter), 1991–94

**k. Editorships, Editorial Boards, and Reviewing Activities for Journals and Other Learned Publications.**

1) Co-Editor, *Journal of Public Economics*, 2009–2012 (Associate Editor, 2007–2009)

2) Editorial Board, *Berkeley Electronic Journals in Economic Analysis and Policy*, 2005–2012

3) Co-Editor, *Journal of Environmental Economics and Management*, 2007–2009 (Editorial Council member, 2005–2007 and 2009–2011)

4) Referee for: *Ambio*, *American Economic Journal: Economic Policy, American Economic Review*, *B.E. Journals in Economic Analysis and Policy*, *Bulletin of Economic Research, Canadian Journal of Economics*, *Climate Change Economics,*

*Ecological Economics, Economic Inquiry*, *Economic Journal, Economic Modelling*, *Economic Theory, Economics Letters, Energy Economics, Energy Journal*, *Environment and Development Economics*, *Environmental and Resource Economics*, *European Economic Review, FinanzArchiv/Public Finance Analysis, Forest Science*, *Industrial and Labor Relations Review, International Economic Review, International Tax and Public Finance*, *Journal of Applied Econometrics, Journal of Benefit-Cost Analysis*, *Journal of Development Economics*, *Journal of Economic Education*, *Journal of Economic Literature*, *Journal of Environmental Economics and Management*, *Journal of Health Economics, Journal of Human Resources*, *Journal of Institutional and Theoretical Economics*, *Journal of International Economics*, *Journal of Political Economy*, *Journal of Population Economics*, *Journal of Public Economic Theory*, *Journal of Public Economics*, *Journal of Regulatory Economics, Journal of the Association of Environmental and Resource Economists, Journal of the European Economic Association, Journal of Urban Economics*, *Macroeconomic Dynamics, National Tax Journal*, *Oxford Economic Papers*, *Public Finance Review*, *Quarterly Review of Economics and Finance*, *Regional Science and Urban Economics*, *Resource and Energy Economics*, *Review of Economic Studies*, *Review of Economics and Statistics, Review of Environmental Economics and Policy, Scandinavian Journal of Economics, Science, Southern Economic Journal*, Congressional Budget Office, Department of Energy, Inter-American Development Bank, Mercatus Center, National Science Foundation, Czech Science Foundation, Addison-Wesley, Cambridge University Press, Edward Elgar, Harvard Press, Prentice Hall, RFF Press

**l. Other.**

***Working papers***

1) Williams, Roberton C., III, "Prices vs. Quantities vs. Tradable Quantities," NBER Working Paper no. 9283 (2002)

2) Williams, Roberton C., III, "Equity in Social Security Benefit Determination: The Effects of Ignoring Some Working Years," working paper (2005)

3) Williams, Roberton C., III, "Cost-Effectiveness vs. Hot Spots: Determining the Optimal Size of Emissions Permit Trading Zones," working paper (2008)

4) Williams, Roberton C., III, "An Estimate of the Second-Best Optimal Gasoline Tax, Considering Both Efficiency and Equity," working paper (2011)

5) Williams, Roberton C., III, "Distribution, Distortionary Taxation, and the Evaluation of Public Goods," working paper (2011)

6) Carbone, Jared, Richard Morgenstern, and Roberton C. Williams III, "Carbon Taxes and Deficit Reduction," working paper (2012)

7) Hafstead, Marc, Roberton C. Williams III, Alexander Golub, Siet Meijer, Badri G. Narayanan, Kevin Nyamweya, and Jevgenijs Steinbuks, "Effect of Climate Policies on Labor Markets in Developing Countries: Review of the Evidence and Directions for Future Research" World Bank Policy Research Working Paper 8332, February 2018

8) Brandon Cunningham, Chenxi Lu, Eric Toder, and Roberton C. Williams III, "Effects of US Federal Tax Reform on the Energy Industry," working paper (2019)

9) Marc Hafstead and Roberton C. Williams III "Mechanisms to Reduce Emissions Uncertainty under a Carbon Tax," working paper (2020)

10) Marc Hafstead and Roberton C. Williams III "Distributional Effects of Environmental Policy across Workers: A General-Equilibrium Analysis," working paper (2020)

11) Roberton C. Williams III, "A Numeraire-Independent Decomposition of Uses- and Sources-Side Tax Incidence, with an Application to the Incidence of a Carbon Tax" working paper (2020)

12) Antung A. Liu and Roberton C. Williams III, "Carbon Pricing and Inflation," working paper (2022)

***Op-Eds***

1) Roberton C. Williams III, "Texans Deserve to Know How a Bill Would Affect Their Taxes," *Austin American-Statesman*, July 14, 2005.

2) Roberton C. Williams III, "What's the Cost? Texas Senate Not Showing Bottom Line of School Finance Bill," *Waco Tribune-Herald* (Op-Ed), July 15, 2005. (Reprinted from *Austin American-Statesman*, July 14, 2005.)

3) Roberton C. Williams III, "Lawmakers Need to Know Potential Effects of Tax Bills," *Bryan-College Station Eagle* (Op-Ed), July 15, 2005. (Reprinted from *Austin American-Statesman*, July 14, 2005.)

***Other General-Audience Publications***

1) Ian W.H. Parry and Roberton C. Williams III, "Is a Carbon Tax the Only Good Climate Policy? Options to Cut CO2 Emissions", *Resources* magazine, no. 176, pp. 38-41, 2010.

2) Roberton C. Williams III, "Taxing Carbon: Potential Deficit and Emissions Reductions", *Resources* magazine, no. 182, pp. 26-29, 2013.

3) Jared Carbone, Richard D. Morgenstern, Roberton C. Williams III, and Dallas Burtraw, "Getting to an Efficient Carbon Tax: How the Revenue Is Used Matters", *Resources* Magazine, no. 185, pp. 32-37, 2014.

4) Marc Hafstead and Roberton C. Williams III, "How Do Environmental Policies Affect Employment?" *Resources* Magazine, no. 190, pp. 16-17, 2015.

5) Roberton C. Williams III, Dallas Burtraw, and Richard D. Morgenstern, "The Impacts of a US Carbon Tax across Income Groups and States", *Resources* Magazine, no. 190, pp. 25-29, 2015.

6) Marc Hafstead, Roberton C. Williams III, and Yunguang Chen, "Carbon Taxes and Employment: Rhetoric vs. Research", *Resources* Magazine, no. 198, summer 2018.

***General-Audience and Non-Academic Talks***

1) "Tax Proposals in the 2000 Election" presentation for the Texas Economics Association, April 5, 2000

2) "Federal Tax Reform in 2001" presentation for the Texas Economics Association, March 7, 2001

3) "Policies to Reduce Gasoline Consumption: Gas Taxes, Fuel Economy Standards, and Other Options" presentation for the Texas Economics Association, October 25, 2006

4) Panel member, "Can Tax Policy Slow Global Warming?" panel discussion at the Urban Institute, June 5, 2007

5) "A Primer on the Economics of Global Warming" presentation for "Word for Word: The University of Texas Speaker Series" October 17, 2007

6) "The Economics of Global Climate Change Policy" presentation for the Texas Economics Association, November 12, 2008

7) Moderator, "Coming Clean: An Economic Perspective on Water Quality Policy" panel discussion at Resources for the Future, June 2, 2010

8) Moderator, "Keeping the C in the CRP: How Well Does the Conservation Reserve Program Work?" panel discussion at Resources for the Future, October 6, 2010

9) Moderator, "Evaluating Recent Changes to Corporate Average Fuel Economy Standards" panel discussion at Resources for the Future, November 3, 2010

10) Panel member, "Whither the Carbon Tax?" panel discussion at the American Enterprise Institute, June 1, 2011

11) "Uses of Revenue from a Carbon Tax" presentation at Resources for the Future and Peterson Institute for International Economics workshop "Fiscal Reform and Climate Protection: Considering a U.S. Carbon Tax" October 18, 2011

12) "Carbon Tax Design" presentation at meeting on carbon taxes organized by the Carbon Tax Center, held at the American Enterprise Institute, May 9, 2012

13) "Carbon Tax Revenue" presentation at Center for Climate and Energy Solutions meeting, May 11, 2012

14) "The RFF Carbon Tax FAQ" presentation at Center for Climate and Energy Solutions meeting, June 29, 2012

15) "The RFF Carbon Tax FAQ" presentation at meeting on carbon taxes organized by the Carbon Tax Center, held at the American Enterprise Institute, July 11, 2012

16) "Baselines for Carbon Tax Modeling" Resources for the Future Corporate Roundtable, October 23, 2012.

17) "Effects of a Carbon Tax-Payroll Tax Swap" Dupont Summit, Washington, DC, December 7, 2012.

18) Panel member, "Comprehensive Tax Reform and Climate Policy" panel discussion at Resources for the Future, February 27, 2013

19) "The Role of a Carbon Tax in Tax Reform and Deficit Reduction" Resources for the Future, June 26, 2013

20) "Is It as Simple as a Price on Carbon?" National Academies Workshop on Accelerating Deployment of Clean Energy Technologies, July 25, 2013

21) "Carbon Taxes and Revenue Recycling" Resources for the Future, October 8, 2013

22) "A Discussion of the Policy Implications of the U.S. Budget Crisis on Carbon Pricing" Sustainable Prosperity, Ottawa, Canada, October 11, 2013

23) "Do Environmental Regulations Kill Jobs? A Closer Look at Regulatory Impacts on Employment and Unemployment" Resources for the Future, March 17, 2015

24) Panel member, "Carbon Taxes: Practicalities and Prospects" American Enterprise Institute, April 22, 2015

25) Panel member, "How Do Environmental Policies Affect Jobs?" panel discussion at Resources for the Future, May 6, 2015

26) Panel member, "How Pricing Carbon Impacts Low-Income Households" panel discussion at Resources for the Future, September 22, 2015

27) "The Initial Incidence of a Carbon Fee across States and Income Groups" Briefing for US senators and their staffers, Russell Senate Office Building, November 19, 2015

28) "The Initial Incidence of a Carbon Fee across States and Income Groups" Briefing for US House of Representatives members and their staffers, Rayburn House Office Building, November 19, 2015

29) Panel member, “Tax or Trade: Revisiting the Trade-Offs in Climate Policy Options” panel discussion at Resources for the Future, March 2, 2016

30) “Options for Making a Carbon Tax Revenue-Neutral” Citizens’ Climate Lobby Conference, June 20, 2016

31) “Should the United States Implement a Carbon Tax?” Policy debate, University of Texas, October 11, 2016.

32) “Effects of a Carbon Tax” American Public Power Association CEO Climate Change and Generation Policy Task Force meeting, November 9, 2016.

33) “Energy and Climate Policy of the Next Administration” Global Leaders Forum, Energy, Resources, and Environment Program, Johns Hopkins School of Advanced International Studies, November 29, 2016.

34) Panel member, “Carbon taxes: Public finance vs. public choice,” panel discussion at the American Enterprise Institute, January 26, 2017.

35) Panel member, “The Impacts of Lower Natural Gas Prices on Employment in the Manufacturing Sector” panel discussion at Resources for the Future, March 13, 2018.

36) Panel member, “The Case for Carbon Pricing – Views from US Thought Leaders” panel discussion at the Embassy of Canada, March 19, 2019.

37) Panel member, “Economic Policy Innovations to Combat Climate Change” panel discussion, Hamilton Project & Stanford Institute for Economic Policy Research, Stanford University, October 23, 2019

38) “The Carbon Tax Challenge” Public policy debate, Indiana University, January 23, 2020.

39) Panel member, "Securing Our Economic Future: Policies to Strengthen the Middle Class and Address Climate Change" panel discussion, Aspen Economic Strategy Group (moved online due to COVID-19), December 10, 2020.

40) Panel member, “Climate Policy Between State and Federal Level” panel discussion, Massachusetts Institute of Technology Center for Energy and Environmental Policy Research (online due to COVID-19), January 26, 2022.

41) Panel member, “The Future of Business Taxes Post-Inflation Reduction Act” panel discussion, Urban-Brookings Tax Policy Center (online), October 31, 2022.

## 3. TEACHING, MENTORING, AND ADVISING

### a. Courses taught.

***Undergraduate courses taught:***

University of Texas: Intermediate Microeconomics, Public Economics (regular and writing-intensive versions), Environmental Economics for Non-Economists

University of Maryland: Introduction to Economics and the Environment, Environmental Economics

***Graduate courses taught:***

University of Texas: Public Finance Theory, Natural Resource Economics, Public Economics Research Seminar, Writing Seminar in Public and Environmental Economics

University of Maryland: Environmental Taxation and Regulation, Microeconomic Applications in Agricultural and Resource Markets

**b. Course or Curriculum Development.**

University of Texas: developed new course "Environmental Economics for Non-Economists" for the Signature Course program, 2008.

**c. Manuals, Notes, Software, Webpages, and Other Contributions to Teaching.**

**d. Teaching Awards and Other Special Recognition.**

**e. Advising: Other Than Research Direction.**

**i. Undergraduate.**

**ii. Graduate.**

***At University of Maryland:***

Ph.D. Dissertation Committee Member for: Lauren Beatty (AREC, in progress), Aldo Gutierrez Mendieta (AREC, in progress), Christopher Holt (AREC, 2022), Jiehong Lou (Public Policy, 2020), Aaron Adalja (AREC, 2017), Jen Zheng He (AREC, 2017), Xiaoyu Liu (Civil & Environmental Engineering, 2016), Shirley Pon (AREC, 2016), Yichen Christy Zhou (Economics, 2016), Jeffrey Ferris (AREC, 2015), Joseph Maher (AREC, 2015), Filippos Petroulakis (Economics, 2015), Daniel Werner (AREC, 2015), Dana Andersen (AREC, 2014), Ron Chan (Economics, 2014), Timothy Essam (AREC, 2013), Claudia Hitaj (AREC, 2013), Takahiko Kiso (AREC, 2013), Kabir Malik (AREC, 2013), Ariel Ortiz-Bobea (AREC, 2013), Randy Chugh (Economics, 2012), Will Gans (AREC, 2012), Fanqing Ye (AREC, 2012), Gabriel Lara-Ibarra (Economics, 2011)

***At University of Texas:***

Ph.D. Dissertation Committee Member for: Jocelyn Wikle (2013), Noah Kaufman (2011), Rebecca Chenevert (2010), Kazuki Konno (2009), Jean Lim (2009), Carolina Rodriguez-Zamora (2009), Katie Raynor (2008), Ping Yan (2008), Jennifer Brown (accounting, 2008), Garth Heutel (2007), Inkee Hong (2007), Diya Mazumder (2007), Lori Stuntz (2007), Jijun Tan (2006), Laura Konda (2004), Allen Fawcett (2003), Seung-Rae Kim (2003), William Macey (2002), Young Yoo (2002), Joseph Breedlove (2001)

***At other universities:***

Ph.D. Dissertation Committee Member for: Diane Aubert (Université Paris I Panthéon-Sorbonne - Paris School of Economics, 2017)

**iii. Other advising activities (advising student groups, special assignments, recruiting, faculty mentorship, etc.)**

AREC qualifying paper advisor for: Ian Page (2010-11), Davide Cerruti (2012-13), Jane Zhou (2013-14), Tristan Kessler (2014-15), Gaurav Satija (2015-16), Christopher Holt (2017-18), Daniel Kraynak (2018-19), Isabella Agnes (co-advisor, 2021-2022)

AREC qualifying paper reviewer (for students I did not advise) in 2009-10, 2011-12, 2015-16, 2017-18

**f. Advising: Research Direction.**

**i. Undergraduate.**

***University of Texas***

Undergraduate Thesis Advisor or Co-Advisor for: Jeff Scott (2008), Sarah Smith (2008), Ryan Kingsbury (2007), Erin Mallard (2006), Justin Hauke (2005), George Hoyt (2002)

**ii. Master's.**

***At University of Maryland***

M.S. Thesis Advisor for: Gaurav Satija (AREC, 2016), Linlin Cheng (Economics, 2016), Xiaoyu Liu (Economics, 2016), Olivier Francois (AREC, 2015), Jane Zhou (AREC, 2014)

#### iii. Doctoral.

*At University of Maryland*

Ph.D. Dissertation Supervisor or Co-Supervisor for: Daniel Kraynak (in progress), Julian Gomez Gelvez (2021, Inter-American Development Bank), Jikun Wang (2019, Fannie Mae), Cristobal Ruiz-Tagle (2018, Environmental Defense Fund (post-doc), now at London School of Economics (post-doc)), Davide Cerruti (2016, ETH Zurich (post-doc)), Jaclyn Evans (2016, Government Accountability Office), Anand Murugesan (2015, Central European University), Ian Page (2015, University of Maryland (post-doc, now clinical assistant professor)), Casey Wichman (2015, Resources for the Future, now at Georgia Tech, received Outstanding Doctoral Dissertation Awards from both the Association of Environmental & Resource Economists (AERE) and the Agricultural & Applied Economics Association (AAEA)), Kanishka Kacker (2014, World Bank, now at Indian Statistical Institute, Delhi)

*At University of Texas*

Ph.D. Dissertation Supervisor or Co-Supervisor for: Holly Monti (2011, US Census Bureau, now at Far Harbor LLC), Tess Stafford (2010, University of New South Wales, now tenured), R. J. Briggs (2009, Pennsylvania State University, now at RAND), Sanghyun Hwang (2009, Korea Institute for Industrial Economics & Trade, now at Sangmyung University), Abdulkadir Nagac (2009, Arkansas Tech University, now at Roger Williams University), Conan Crum (2008, BlackRock Investments), Jason DeBacker (2008, University of Georgia, now tenured at University of South Carolina), Fidel Gonzalez (2003, Sociedad Hipotecaria Federal, Mexico City, now tenured at Sam Houston State University)

### g. Extension Activities.

## 4. SERVICE

### a. Professional.

#### i. Offices and committee memberships held in professional organizations.

Study Panel Member, National Academies Study of Effects of Provisions in the Internal Revenue Code on Greenhouse Gas Emissions, 2011-2013

#### ii. Reviewing activities for agencies.

Review Panel, EPA Peer Review of Computable General Equilibrium Models for Climate Change Analysis, 2009-2010

Peer reviewer for Congressional Budget Office, Department of Energy, Inter-American Development Bank, National Science Foundation, Social Sciences and Humanities Research Council of Canada, Czech Science Foundation

### iii. Other unpaid services to local, state, and federal agencies.

### iv. Other non-University committees, commissions, panels, etc.

Organizer, NBER Summer Institute on Public Policy and the Environment, 2007

Program Committee, 2010 National Tax Association Annual Conference on Taxation

Scientific Committee, 2011 International Institute of Public Finance Annual Congress

Organizer, Stanford-RFF Workshop on The Next Round of Climate Economics & Policy Research, 2011

Organizer, AEI-Brookings-IMF-RFF Conference on the Economics of Carbon Taxes, 2012

Organizer, NBER Summer Institute on Environmental and Energy Economics, 2013

Expert Group Member for review of Brazil's Market Readiness Plan, Partnership for Market Readiness, 2014

Local Organizer, International Workshop on Empirical Methods in Energy Economics, 2015

Faculty member, EAERE-FEEM-VIU European Summer School on Environmental Regulation, 2015

Panel Member, U.S. Environmental Protection Agency Science Advisory Board Panel on Economy-wide Modeling of the Benefits and Costs of Environmental Regulation, 2015-2017.

Selection Committee member, National Tax Association Outstanding Doctoral Dissertation Award, 2021

### v. International activities not listed above.

### vi. Paid consultancies.

Grant Thornton, Inc.: Advised on how to evaluate the economic impacts of changes in U.S. agricultural inspection user fees, 2010-11

Regulatory Assistance Project: Attended conference in Zhuhai, China, spoke about how to design carbon cap & trade regulations, and met with government officials to discuss issues in implementing China's new pilot carbon cap & trade programs, 2012

National Energy Policy Institute: Modeled effects on the U.S. economy and on households of different income levels of imposing a tax on oil and returning the revenues via tax cuts or lump-sum rebates, 2012-13

Partnership for Market Readiness: Reviewed Brazilian government proposal for research on carbon markets/carbon pricing, met with Brazilian finance ministry, presented review at international workshop, 2014

**b. Campus.**

**i. Departmental.**

***University of Maryland***

AREC Department Chair Search Committee, 2014-2015

AREC Faculty Search Committee, 2010-2013 and 2014-2016

AREC Seminar Committee, 2010-2018
Seminar Committee Chair, 2012-2018

AREC Assistantship/Teaching Committee, 2011-2012 and 2018-2019

AREC Graduate Studies Committee, 2009–2012 and 2017-2021
Director of Graduate Studies, 2011-2012 and 2018-2019

AREC Department APT Committee:
Member for Stephen Salant appointment as Research Professor, 2014-15
Chair for Ted McConnell appointment as Professor Emeritus, 2015
Member for Marc Nerlove appointment as Professor Emeritus, 2016
Member for Joshua Linn appointment as Associate Professor, 2017
Member for Jing Cai promotion to Associate Professor, 2020
Chair for Joshua Linn promotion to Professor, 2021
Member for Neslihan Uler promotion to Associate Professor, 2022

AREC Ad Hoc Committee on Outside Professional Activities 2023-present

AREC Faculty Advisory Committee, 2015-2018 and 2021-present
Faculty Advisory Committee Chair, 2017-2018 and 2022-present

AREC Junior Faculty Mentor for Lint Barrage (2013-2015), Sébastien Houde (2013-2017), Pamela Jakiela (2016-2017), Louis Preonas (2019-present), and Neslihan Uler (2016-present).

***University of Texas***

Economics Department Undergraduate Studies Committee, 2006-2010

Faculty Sponsor, Texas Economics Association, 2000-2010
Organized and led association trips to Monterrey, Mexico, April 2001 and 2002

Economics Department Executive Committee, 2001–2002 and 2008–2009

Economics Department Faculty Recruiting Coordinating Committee, 2007–2009

Economics Department Graduate Placement Chair, 2007–2008

Economics Department Strategic Planning Committee, 2007

Applied Microeconomics Faculty Recruiting Committee Chair, 2006–2007

Economics Department Ph.D. Admissions and Awards Committee, 2005–2007
Co-Chair, Graduate Recruitment Weekend, 2006

Economics Department Marshal, Commencement 2001, 2005, 2006, 2007, and 2009

Conference Organizer, First UT-ITAM Economics Conference, 2001

**ii. College.**

Review committee for the Associate Dean of Research, College of Agriculture and Natural Resources, 2013-2014

Appointments, Promotion, and Tenure (APT) Committee, College of Agriculture and Natural Resources, 2014-2016 and 2019-2021
APT Committee Associate Chair, 2014-2015
APT Committee Chair, 2015-2016

**iii. University.**

***University of Maryland***

Faculty Steering Committee, Maryland Center for Economics and Policy, 2013-present

***University of Texas***

Department Representative, Undergraduate Research Apprenticeship Program, 2007-2010

Faculty Panel Member, Bridging Disciplines Program in the Environment, 2007-2010

Faculty Participant, IGERT program on indoor environmental quality, 2006-2010

University Ad Hoc Committee on Sustainability, 2005–2007

**iv. Special administrative assignments.**

**v. Other.**

**c. Community, State, National.**

Maryland House of Delegates Testimony on House Bill 939, "The Regional Carbon Cost Collection Initiative" March 5, 2018

Expert Panel Member, Maryland Commission on Climate Change meeting on carbon pricing, May 31, 2018

Informal consultant (unpaid) to Maryland Department of the Environment about modeling effects of carbon pricing in Maryland, 2018-2019

**d. Service Awards and Honors.**