

C.-Y. Cynthia Lin Lawell

Department of Agricultural and Resource Economics
University of California at Davis
One Shields Avenue
Davis, CA 95616

URL: <http://cclin.ucdavis.edu>
cclin@primal.ucdavis.edu
phone: (530) 752-0824
fax: (530) 752-5614

FACULTY APPOINTMENTS

Associate Professor (with tenure)

Department of Agricultural and Resource Economics, and Department of Environmental Science and Policy
University of California at Davis

July 2013 to present

Assistant Professor

Department of Agricultural and Resource Economics, and Department of Environmental Science and Policy
University of California at Davis

July 2006 to June 2013

OTHER APPOINTMENTS

President, U.S. Association for Energy Economics Bay Area Chapter	June 2012 to present
Faculty Affiliate, UC-Davis Institute of Transportation Studies	November 2006 to present
Faculty Member, UC-Davis Graduate Group in Transportation Technology and Policy	March 2007 to present
Faculty Member, UC-Davis Graduate Group in Applied Math	March 2007 to present
Faculty Member, UC-Davis Graduate Group in Ecology	October 2007 to present
Faculty Member, UC-Davis Energy Graduate Group	September 2016 to present
Member, Bioenergy Research Group at UC-Davis	December 2006 to present
Faculty Affiliate, UC-Davis Davis Energy Economics Program	October 2014 to present
Faculty Associate, UC-Davis Air Quality Research Center	December 2006 to present
Member, Giannini Foundation of Agricultural Economics	July 2006 to present
Member, California Biomass Collaborative	October 2007 to present
Faculty Expert, UC-Davis John Muir Institute of the Environment	September 2008 to present
Associated Faculty, UC-Davis Center for Environmental Policy and Behavior	July 2010 to present
Faculty/Researcher, UC-Davis Coastal and Marine Sciences Institute	December 2016 to present
Affiliated Faculty, University of California Center for Energy and Environmental Economics	June 2011 to present
Member, California State Controller's Council of Economic Advisors	April 2007 to Dec. 2014
Research Associate, Harvard University John F. Kennedy School of Government	June 2006 to Oct. 2013
Fossil Fuels Track Director, Sustainable Transportation Energy Pathways Program, UC-Davis Institute of Transportation Studies	Dec. 2006 to Sep. 2012

EDUCATION

Harvard University

Ph.D. in Economics, June 2006.

Cambridge, MA

Harvard University

A.M. in Economics, November 2005.

Cambridge, MA

Harvard University

A.B. *summa cum laude* in Environmental Science and Public Policy, June 2000.

Cambridge, MA

FIELDS OF INTEREST

Environmental and natural resource economics
Energy economics
Industrial organization
Applied econometrics
Applied microeconomics

HONORS, AWARDS, FELLOWSHIPS

Bacon Public Lectureship and White Paper Competition Honorable Mention (2015-2016)
Journal of Environmental Economics and Management Outstanding Reviewer Status (2015)
Energy Strategy Reviews top 5 downloaded articles in 2014 (2014)
Gordon and Betty Moore Foundation Data-Driven Discovery Investigator Competition semi-finalist (2014)
Associated Students of University of California at Davis Excellence in Education Award nominee (2012)
University of California at Davis Hellman Fellow (2011)
International Society for New Institutional Economics Award for the Best Ph.D. Dissertation (2006)
Stone Fellow Award for Best Paper Written by a Doctoral Student in Environmental and Resource Policy (2006)
Repsol YPF–Harvard Kennedy School Fellows Program Conference Travel Grant (2006)
The Partnership University Fellow (2005-2006)
Environmental Economics Program at Harvard University Pre-Doctoral Conference Travel Grant (2004)
Repsol YPF–Harvard Kennedy School Fellows Program Conference Travel Grant (2004)
1st Lindau Meeting of the Winners of the Bank of Sweden Prize in Economic Sciences in Memory of Alfred Nobel, young economist participant, selected to give closing remarks on behalf of students (2004)
Harvard University Department of Economics Research and Travel Award (2004)
Repsol YPF–Harvard Kennedy School Fellows Program Research Travel Grant (2004)
Harvard Committee on Undergraduate Education Certificate of Distinction in Teaching (Fall 2003)
Repsol YPF–Harvard Kennedy School Pre-Doctoral Fellowship in energy policy (2003)
Jens Aubrey Westengard Scholarship (2003)
Harvard Graduate School of Arts and Sciences Summer Research Award (2002)
Harvard Committee on Undergraduate Education Certificate of Distinction in Teaching (Fall 2002)
National Science Foundation Graduate Research Fellowship (2001)
Jacob K. Javits Fellowship (2001, declined in favor of EPA fellowship)
Environmental Protection Agency Science to Achieve Results Graduate Fellowship (2000-2003)
Rita Ricardo-Campbell Fellowship in Economics (2000)
Environmental Economics Program at Harvard University Pre-Doctoral Fellow (2000-2006)
Thomas Temple Hoopes Prize for the top 64 Harvard senior theses (2000)
Donald and Cathleen Pfister Prize for excellence in the natural sciences (2000)
Junior-year Phi Beta Kappa (1999)
Morris K. Udall Scholarship for excellence in environmental policy (1999)
Harvard College Research Program research fellowship (1999)
President Chao Nee Memorial Scholarship (1999)
John Harvard Scholarship (1997, 1998, 1999, & 2000)
Elizabeth Cary Agassiz Scholarship (1997, 1998 & 1999)
Detur Book Prize (1997)
First Place Grand Award at International Science and Engineering Fair (1996)

PEER-REVIEWED PUBLICATIONS

- Sears, Louis, and C.-Y. Cynthia Lin Lawell. (forthcoming). Water management and economics. In Gail Cramer, Ashok Mishra, Krishna P. Paudel, and Andrew Schmitz (Eds.), The Routledge Handbook of Agricultural Economics.
- Lin Lawell, C.-Y. Cynthia. (forthcoming). Dynamic structural econometric modeling of the ethanol industry. In Alberto Adrego Pinto and David Zilberman (Eds.), Modelling, Dynamics, Optimization and Bioeconomics II. Springer Proceedings in Mathematics & Statistics.
- Zhang, Wei, C.-Y. Cynthia Lin Lawell, and Victoria I. Umanskaya. (2017). The effects of license plate-based driving restrictions on air quality: Theory and empirical evidence. Journal of Environmental Economics and Management, 82, 181-220.
- Ghandi, Abbas, and C.-Y. Cynthia Lin Lawell. (2017). On the rate of return and risk factors to international oil companies in Iran's buy-back service contracts. Energy Policy, 103, 16-19.
- Beaudoin, Justin, and C.-Y. Cynthia Lin Lawell. (2017). The effects of urban public transit investment on traffic congestion and air quality. In Hamid Yaghoubi (Ed.), Urban Transport Systems (Chapter 6). InTech.
- Zhang, Wei, and C.-Y. Cynthia Lin Lawell. (2017). Market power in nonrenewable resource markets: An empirical dynamic model. Land Economics, 93 (1), 74-86.
- Lin Lawell, C.-Y. Cynthia. (2017). Global gasoline prices: The need to raise gasoline taxes. Nature Energy, 2, Article 16206.
- Ramanathan, Veerabhadran, Juliann E. Allison, Maximilian Auffhammer, David Auston, Anthony D. Barnosky, Lifang Chiang, William D. Collins, Steven J. Davis, Fonna Forman, Susanna B. Hecht, Daniel M. Kammen, C.-Y. Cynthia Lin Lawell, Teenie Matlock, Daniel Press, Doug Rotman, Scott Samuelsen, Gina Solomon, David G. Victor, Byron Washom, and Jon Christensen. (2016). Chapter 1. Bending the curve: Ten scalable solutions for carbon neutrality and climate stability. In Veerabhadran "Ram" Ramanathan (Ed.), Bending the Curve: Ten scalable solutions for carbon neutrality and climate stability. Collabra, 2 (1), Article 15, 1-17.
- Auffhammer, Maximilian, C.-Y. Cynthia Lin Lawell, James Bushnell, Olivier Deschênes, and Junjie Zhang. (2016). Chapter 4. Economic considerations: Cost-effective and efficient climate policies. In Veerabhadran "Ram" Ramanathan (Ed.), Bending the Curve: Ten scalable solutions for carbon neutrality and climate stability. Collabra, 2 (1), Article 18, 1-14.
- Morrison, Geoffrey M., and C.-Y. Cynthia Lin Lawell. (2016). Does employment growth increase travel time to work?: An empirical analysis using military troop movements. Regional Science and Urban Economics, 60, 180-197.
- Lin Lawell, C.-Y. Cynthia. (2016). The management of groundwater: Irrigation efficiency, policy, institutions, and externalities. Annual Review of Resource Economics, 8, 247-259.
- Morrison, Geoffrey M., and C.-Y. Cynthia Lin Lawell. (2016). Driving in force: The influence of workplace peers on commuting decisions on U.S. military bases. Journal of Economic Behavior and Organization, 125, 22-40.
- Beaudoin, Justin, Y. Hossein Farzin, and C.-Y. Cynthia Lin Lawell. (2015). Public transit investment and sustainable transportation: A review of studies of transit's impact on traffic congestion and air quality. Research in Transportation Economics, 52, 15-22.
- Lade, Gabriel E., and C.-Y. Cynthia Lin Lawell. (2015). The design and economics of low carbon fuel standards. Research in Transportation Economics, 52, 91-99.

- Lin, C.-Y. Cynthia, and Lisa Pfeiffer. (2015). Strategic behavior and regulation over time and space. In Kimberly Burnett, Richard Howitt, James A. Roumasset, and Christopher A. Wada (Eds.), Routledge Handbook of Water Economics and Institutions (pp. 79-90). New York: Routledge.
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2014). The effects of energy prices on agricultural groundwater extraction from the High Plains Aquifer. American Journal of Agricultural Economics, 96 (5), 1349-1362.
- Jardine, Sunny L., C.-Y. Cynthia Lin, and James N. Sanchirico. (2014). Measuring benefits from a marketing cooperative in the Copper River Fishery. American Journal of Agricultural Economics, 96 (4), 1084-1101.
- Ghandi, Abbas, and C.-Y. Cynthia Lin. (2014). Oil and gas service contracts around the world: A review. Energy Strategy Reviews, 3, 63-71.
- Lin, C.-Y. Cynthia, and Jieyin (Jean) Zeng. (2014). The optimal gasoline tax for China. Theoretical Economics Letters, 4 (4), 270-278.
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2014). Does efficient irrigation technology lead to reduced groundwater extraction?: Empirical evidence. Journal of Environmental Economics and Management, 67 (2), 189-208.
- Lin, C.-Y. Cynthia. (2014). Modeling ethanol investment decisions. In Alberto Adrego Pinto and David Zilberman (Eds.), Modelling, Dynamics, Optimization and Bioeconomics I (pp. 487-497). Springer.
- Bremson, Joel, Alan Meier, C.-Y. Cynthia Lin, and Joan M. Ogden. (2013). New approach to modeling large-scale alternative fuel and vehicle transitions. Transportation Research Record, 2385, 61-69.
- Herath Mudiyansele, Nisal, C.-Y. Cynthia Lin, and Fujin Yi. (2013). An analysis of ethanol investment decisions in Thailand. Theoretical Economics Letters, 3 (5A1), 14-20.
- Lin, C.-Y. Cynthia. (2013). California's agriculture-related air pollution policy. Journal of Environmental Protection, 4 (8A1), 24-27.
- Lin, C.-Y. Cynthia, and Jieyin (Jean) Zeng. (2013). The elasticity of demand for gasoline in China. Energy Policy, 59, 189-197.
- Lin, C.-Y. Cynthia, and Lea Prince. (2013). Gasoline price volatility and the elasticity of demand for gasoline. Energy Economics, 38, 111-117.
- Lin, C.-Y. Cynthia, and Erich J. Muehlegger. (2013). On the use of heuristics to approximate competitors' private information. Journal of Economic Behavior and Organization, 86, 10-23.
- Lin, C.-Y. Cynthia. (2013). Strategic decision-making with information and extraction externalities: A structural model of the multi-stage investment timing game in offshore petroleum production. Review of Economics and Statistics, 95 (5), 1601-1621.
- Lin, C.-Y. Cynthia, and Zachary D. Liscow. (2013). Endogeneity in the environmental Kuznets curve: An instrumental variables approach. American Journal of Agricultural Economics, 95 (2), 268-274.
- Lin, C.-Y. Cynthia. (2012). Using spatial econometrics to measure ozone pollution externalities. Journal of Environmental Protection, 3 (9A), 1117-1123.
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2012). Groundwater pumping and spatial externalities in agriculture. Journal of Environmental Economics and Management, 64 (1), 16-30.
- Ghandi, Abbas, and C.-Y. Cynthia Lin. (2012). Do Iran's buy-back service contracts lead to optimal production?: The case of Soroosh and Nowrooz. Energy Policy, 42, 181-190.

- Leighty, Wayne, and C.-Y. Cynthia Lin. (2012). Tax policy can change the production path: A model of optimal oil extraction in Alaska. Energy Policy, 41, 759-774.
- Lin, C.-Y. Cynthia. (2011). Learning an opponent's strategy in Cournot competition. International Journal of Strategic Management, 11 (1), 94-112.
- Lin, C.-Y. Cynthia. (2011). Estimating supply and demand in the world oil market. Journal of Energy and Development, 34 (1), 1-32.
- Corderi, David, and C.-Y. Cynthia Lin. (2011). Measuring the social rate of return to R&D in coal, petroleum and nuclear manufacturing: A study of the OECD countries. Energy Policy, 39 (5), 2780-2785.
- Lin, C.-Y. Cynthia. (2011). An assessment of the effectiveness of California's local air pollution controls on agricultural sources. In Mohamed K. Khallaf (Ed.), The Impact of Air Pollution on Health, Economy, Environment and Agricultural Sources (pp. 323-330). InTech.
- Heres del Valle, David R., and C.-Y. Cynthia Lin. (2011). Sub-national state's climate policy: The case of California. In Ibon Galarraga, Mikel Gonzalez-Eguino, and Anil Markandya (Eds.), Handbook of Sustainable Energy (pp. 555-573). United Kingdom: Edward Elgar.
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2010). The effect of irrigation technology on groundwater use. Choices, 25 (3).
- Lin, C.-Y. Cynthia. (2010). A spatial econometric approach to measuring pollution externalities: An application to ozone smog. Journal of Regional Analysis and Policy, 40 (1), 1-19.
- Adjemian, Michael K., C.-Y. Cynthia Lin, and Jeffrey Williams. (2010). Estimating spatial interdependence in automobile type choice with survey data. Transportation Research Part A: Policy and Practice, 44, 661-675.
- Lin, C.-Y. Cynthia. (2010). How should standards be set and met?: On the allocation of regulatory power in a federal system. B.E. Journal of Economic Analysis and Policy: Topics, 10 (1), Article 51.
- Lin, C.-Y. Cynthia. (2010). Instability, investment, disasters, and demography: Natural disasters and fertility in Italy (1820-1962) and Japan (1671-1965). Population and Environment, 31 (4), 255-281.
- Lin, C.-Y. Cynthia, and Lea Prince. (2009). The optimal gas tax for California. Energy Policy, 37 (12), 5173-5183.
- Farinelli, Barbara, Colin A. Carter, C.-Y. Cynthia Lin, and Daniel A. Sumner. (2009). Import demand for Brazilian ethanol: A cross-country analysis. Journal of Cleaner Production, 17, S9-S17.
- Lin, C.-Y. Cynthia. (2009). Estimating strategic interactions in petroleum exploration. Energy Economics, 31 (4), 586-594.
- Lin, C.-Y. Cynthia, Haoying Meng, Tsz Yan Ngai, Valeria Oscherov, and Yan Hong Zhu. (2009). Hotelling revisited: Oil prices and endogenous technological progress. Natural Resources Research, 18 (1), 29-38.
- Lin, C.-Y. Cynthia. (2009). Insights from a simple Hotelling model of the world oil market. Natural Resources Research, 18 (1), 19-28.
- Lin, C.-Y. Cynthia. (2008). An evaluation of Keynes' projected possibilities. American Journal of Economics and Sociology, 67 (2), 315-329.
- Lin, C.-Y. Cynthia, and Gernot Wagner. (2007). Steady-state growth in a Hotelling model of resource extraction. Journal of Environmental Economics and Management, 54 (1), 68-83.

- Lin, C.-Y. Cynthia. (2005). The investment timing game in petroleum production: An econometric model. Physica A, 355 (1), 62-68.
- Lin, C.-Y. Cynthia, Daniel J. Jacob, and Arlene M. Fiore. (2001). Trends in exceedances of the ozone air quality standard in the continental United States, 1980-1998. Atmospheric Environment, 35, 3217-3228.
- Lin, C.-Y. Cynthia, Daniel J. Jacob, J. William Munger, and Arlene M. Fiore. (2000). Increasing background ozone in surface air over the United States. Geophysical Research Letters, 27 (21), 3465-3468.

OTHER PUBLICATIONS

- Sears, Louis, David Lim, and C.-Y. Cynthia Lin Lawell. (2017). Agricultural groundwater management in California: Possible perverse consequences? Agricultural and Resource Economics Update, 20 (3), 1-3.
- Lin Lawell, C.-Y. Cynthia. (2016). The economics of groundwater management. Policy brief, University of California Center Sacramento.
- Baerenklau, Kenneth, Thomas P. Tomich, Samira Daroub, Ann Drevno, Van Ryan Haden, Cathy Kling, Timothy Lang, C.-Y. Cynthia Lin, Conny Mitterhofer, Doug Parker, Daniel Press, Todd S. Rosenstock, Kurt Schwabe, Zdravka Tzankova, and Jingjing Wang. (2016). Chapter 8: Responses: Policies and Institutions. In Thomas P. Tomich, Sonja B. Brodt, Randy A. Dahlgren, and Kate M. Scow (Eds.), The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment (pp. 231-257). Oakland, CA: University of California Press.
- Handy, Susan, C.-Y. Cynthia Lin Lawell, and Deborah Salon. (2015). Introduction to the special issue on Sustainable Transportation. Research in Transportation Economics, 52, 1-2.
- Ramanathan, Veerabhadran, Juliann E. Allison, Maximilian Auffhammer, David Auston, Anthony D. Barnosky, Lifang Chiang, William D. Collins, Steven J. Davis, Fonna Forman, Susanna B. Hecht, Daniel Kammen, C.-Y. Cynthia Lin Lawell, Teenie Matlock, Daniel Press, Doug Rotman, Scott Samuelsen, Gina Solomon, David G. Victor, and Byron Washom. (2015). Executive Summary. Bending the Curve: 10 Scalable Solutions for Carbon Neutrality and Climate Stability. University of California systemwide report, University of California. URL: http://uc-carbonneutralitysummit2015.ucsd.edu/_files/Bending-the-Curve.pdf
- Lade, Gabriel E., C.-Y. Cynthia Lin, and Aaron Smith. (2015). Ex post costs and renewable identification number (RIN) prices under the Renewable Fuel Standard. Resources for the Future Discussion Paper 15-22. URL: <http://www.rff.org/Publications/Pages/PublicationDetails.aspx?PublicationID=22575>
- Ghandi, Abbas, and C.-Y. Cynthia Lin. (2015). Is resource nationalism on the rise?: Evidence from service contracts in eight countries. International Association for Energy Economics Energy Forum, 24 (1), 35-37. URL: <http://www.iaee.org/documents/2015EnergyForumIqtr.pdf>
- Lin, C.-Y. Cynthia. (2014). The benefits of investing in energy research and development. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 8 (8). URL: http://www.sco.ca.gov/eo_2014_08_summary_analysis_guest_column.html
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2014). Perverse consequences of incentive-based groundwater conservation programs. Global Water Forum, Discussion Paper 1415.
- Lade, Gabriel E., and C.-Y. Cynthia Lin. (2014). Controlling compliance costs for California's LCFS with a price ceiling. Policy brief, University of California at Davis Institute of Transportation Studies.

- Lin, C.-Y. Cynthia. (2014). Strategic interactions during oil exploration in the Gulf of Mexico. In Morena J. Acosta (Ed.), Advances in Energy Research, Volume 20 (pp.201-212) New York: Nova Science Publishers, Inc.
- Lin, C.-Y. Cynthia. (2013). Containing the costs of California's low carbon fuel standard. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 7 (12). URL: http://www.sco.ca.gov/eo_2013_12_summary_analysis_featured_column.html
- Lade, Gabriel E., and C.-Y. Cynthia Lin. (2013). A report on the economics of California's low carbon fuel standard and cost containment mechanisms. Prepared for the California Air Resources Board. Institute of Transportation Studies, University of California at Davis, Research Report UCD-ITS-RR-13-23.
- Lin, C.-Y. Cynthia. (2013). Paradox on the Plains: As water efficiency increases, so can water use. California WaterBlog. URL: <http://californiawaterblog.com/2013/08/13/paradox-on-the-plains-as-water-efficiency-increases-so-can-water-use/>
- Lin, C.-Y. Cynthia. (2013). The unintended consequences of incentive-based groundwater conservation programs: A study using spatial data. Energy Dimensions. URL: <http://www.energydimensions.net/the-unintended-consequences-of-incentive-based-groundwater-conservation-programs-a-study-using-spatial-data/>
- Lin, C.-Y. Cynthia. (2013). Incentive-based groundwater conservation programs may have unintended results. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 7 (6), 5-6.
- Yi, Fujin, C.-Y. Cynthia Lin, and Karen Thome. (2013). An analysis of the effects of government subsidies and the renewable fuel standard on the fuel ethanol industry. Policy brief, University of California at Davis Policy Institute for Energy, Environment and the Economy.
- Lin, C.-Y. Cynthia. (2013). On designing and analyzing policies for renewable fuels. Energy Dimensions. URL: <http://www.energydimensions.net/on-designing-and-analyzing-policies-for-renewable-fuels/>
- Lin, C.-Y. Cynthia. (2013). Activities of the newly-formed Bay Area Chapter in Northern California. U.S. Association for Energy Economics Dialogue, 21 (2).
- Lin, C.-Y. Cynthia. (2013). Instability, investment and natural disasters. In Biljana Raskovic and Svetomir Mrdja (Eds.), Natural Disasters: Prevention, Risk Factors and Management (pp.243-258). New York: Nova Science Publishers, Inc.
- Lin, C.-Y. Cynthia. (2012). An analysis of ethanol investment decisions. In Roy I. Henry and Billy P. Woods (Eds.), Ethanol: Production, Cellular Mechanisms and Health Impact (pp. 121-128). New York: Nova Science Publishers, Inc.
- Lin, C.-Y. Cynthia. (2012). California should raise its gasoline tax. Energy Dimensions. URL: <http://www.energydimensions.net/california-should-raise-its-gasoline-tax/>
- Lin, C.-Y. Cynthia. (2012). On designing and analyzing policies for renewable fuels. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 6 (12), 4-5.
- Lin, C.-Y. Cynthia. (2011). Fossil fuels. World Book Encyclopedia. Chicago: World Book.
- Lin, C.-Y. Cynthia. (2011). The effects of an E10 ethanol-blend policy on California. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 5 (5), 6-7.
- Lin, C.-Y. Cynthia. (2011). A Hotelling model of steady-state growth in coal extraction. In James J. Stewart (Ed.), Coal Extraction (pp. 147-154). New York: Nova Science Publishers, Inc.

- Lin, C.-Y. Cynthia. (2010). Gasoline price volatility. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 4 (11), 6-8.
- Lin, C.-Y. Cynthia, Wei Zhang, Omid Rouhani, and Lea Prince. (2009). The implications of an E10 ethanol-blend policy for California. Agricultural and Resource Economics Update, 13 (2), 1-4.
- Lin, C.-Y. Cynthia. (2009). Biofuels for transport: Global potential and implications for sustainable energy and agriculture (book review). American Journal of Agricultural Economics, 91(4), 1155-1157.
- Pfeiffer, Lisa, and C.-Y. Cynthia Lin. (2009). Incentive-based groundwater conservation programs: Perverse consequences? Agricultural and Resource Economics Update, 12 (6), 1-4.
- Lin, C.-Y. Cynthia. (2008). On the distribution of regulatory power between state and local governments. In Albert Tavidze (Ed.), Progress in Economics Research, Volume 12 (pp. 189-208). New York: Nova Science Publishers, Inc.
- Lin, C.-Y. Cynthia. (2007). California's gasoline tax. California State Controller John Chiang Statement of General Fund Cash Receipts and Disbursements, 1 (7), 5-8.
- Lin, C.-Y. Cynthia. (2006). Environmental federalism and regulatory delegation: An incomplete contracting approach. In Raimund Bleischwitz and Oliver Budzinski (Eds.), Environmental Economics: Institutions, Competition, Rationality (pp. 129-149). Berlin: VWF.
- Lin, C.-Y. Cynthia. (2006). Oil prices, stock effects and endogenous technological progress. In Cordelia L. Frankhouse (Ed.), Economics of Agriculture and Natural Resources (pp. 111-125). New York: Nova Science Publishers, Inc.
- Lin, C.-Y. Cynthia. (2006). Three essays on the economics of the environment, energy and externalities. Ph.D. dissertation, Harvard University.
- Lin, C.-Y. Cynthia. (2005). Estimating annual and monthly supply and demand for world oil: A dry hole? In William W. Hogan (Ed.), Repsol YPF – Harvard Kennedy School Fellows 2003-2004 Research Papers (pp. 213-249). Cambridge, MA: Harvard University.
- Lin, C.-Y. Cynthia. (2005). The multi-stage investment timing game in offshore petroleum production: A framework for an econometric model. In William W. Hogan (Ed.), Repsol YPF – Harvard Kennedy School Fellows 2003-2004 Research Papers (pp. 201-211). Cambridge, MA: Harvard University.
- Lin, C.-Y. Cynthia. (2005). Optimal world oil extraction: Calibrating and simulating the Hotelling model. In William W. Hogan (Ed.), Repsol YPF – Harvard Kennedy School Fellows 2003-2004 Research Papers (pp. 251-266). Cambridge, MA: Harvard University.
- Lin, C.-Y. Cynthia. (2004). Regulatory delegation: Theory and application to environmental federalism. In Gregory T. Papanikos (Ed.), Competition, Regulation and Protection: Essays from an International Conference on Industrial Organization, Law and Economics (pp. 79-90). Athens: Athens Institute for Education and Research.
- Lin, C.-Y. Cynthia. (2001). The scholar as activist: A colloquium explores these dual roles. Harvard Graduate School of Arts and Sciences Bulletin, XXX (9), 1-3.
- Lin, C.-Y. Cynthia. (2000). Trends in ozone smog. Senior thesis, Harvard University.

WORKING PAPERS

- “The effects of government subsidies on investment: A dynamic model of the ethanol industry”, with Fujin Yi and Karen E. Thome
- “The economics of decision-making for crop disease control”, with Christine L. Carroll, Colin A. Carter, and Rachael E. Goodhue (under review)
- “Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”, with Jonathan A. Cook
- “The design of renewable fuel policies and cost containment mechanisms”, with Gabriel E. Lade (under review)
- “Policy instrument choice when marginal damages are uncertain: Theory and evidence from a laboratory experiment”, with David R. Heres del Valle
- “The effects of public transit supply on the demand for automobile travel”, with Justin Beaudoin
- “Estimating peer effects: A structural econometric model using a field experiment of a health promotion program in rural China”, with Xiaochen Ma and Scott Rozelle
- “Investment in corn-ethanol plants in the Midwestern United States”, with Karen E. Thome
- “Policy shocks and market-based regulations: Evidence from the Renewable Fuel Standard”, with Gabriel E. Lade and Aaron Smith (revise and resubmit, [American Journal of Agricultural Economics](#))
- “Neighborhood effects in migration decisions in rural Mexico”, with Ruben Irvin Rojas Valdes and J. Edward Taylor (under review)
- “An analysis of the economic efficiency of oil contracts: A dynamic model of the Rumaila oil field in Iraq”, with Abbas Ghandi
- “Market power in the world oil market: Evidence for an OPEC cartel and an oligopolistic non-OPEC fringe” (under review)
- “The dynamic migration game: A structural econometric model and application to rural Mexico”, with Ruben Irvin Rojas Valdes and J. Edward Taylor
- “Modeling supply and demand in the Chinese automobile industry”, with Yuan Chen, Erich J. Muehlegger, and Yunshi Wang
- “A structural econometric model of the dynamic game between petroleum producers in the world petroleum market”, with Khaled H. Kheiravar, James B. Bushnell, Amy Myers Jaffe, and Erich J. Muehlegger
- “The spraying decisions of grape growers in response to disease forecasting information: A dynamic structural econometric model”, with Olena Sambucci and Travis J. Lybbert
- “Designing good climate policy: Lessons from the Renewable Fuel Standard and the blend wall”, with Gabriel E. Lade and Aaron Smith
- “Supply chain externalities and agricultural disease”, with Christine L. Carroll, Colin A. Carter, and Rachael E. Goodhue
- “The rate of return to research and development in energy”, with David Corderi Novoa (under review)

“What factors affect the decision to invest in a fuel ethanol plant?: A structural model of the ethanol investment timing game”, with Fujin Yi

“The effects of energy policies on energy consumption in China”, with Ming-Jie Lu and Song Chen (revise and resubmit, Energy Economics)

“The macroeconomic rebound effect in China”, with Jiangshan Zhang (revise and resubmit, Energy Economics)

“Migration in rural Mexico: Strategic interactions, dynamic behavior, and the environment”, with Ruben Irvin Rojas Valdes and J. Edward Taylor (under review)

“A theory of regulatory federalism” (under review)

“Crop disease and agricultural productivity”, with Christine L. Carroll, Colin A. Carter, and Rachael E. Goodhue

“The effects of climate change on agricultural groundwater extraction”, with Ernst Bertone Oehninger and Michael R. Springborn

“Public transit investment and traffic congestion policy”, with Justin Beaudoin and Y. Hossein Farzin

“The effects of energy policies in China on GDP, industrial output, and new energy profits”, with Ming-Jie Lu and Song Chen

“Ordeal mechanisms, information and the cost-effectiveness of subsidies: Evidence from subsidized eyeglasses in rural China”, with Sean Sylvia, Xiaochen Ma, Yaojiang Shi, and Scott Rozelle (revise and resubmit, American Economic Journal: Applied Economics)

“Spatial groundwater management: A game theoretic framework and application to California”, with Louis Sears and David Lim (revise and resubmit, Water Economics and Policy)

“Is public transit’s ‘green’ reputation deserved?: Evaluating the effects of transit supply on air quality”, with Justin Beaudoin

“The effects of climate change on crop choice and agricultural variety”, with Ernst Bertone Oehninger and Michael R. Springborn

“One shape does not fit all: A nonparametric instrumental variable approach to estimating the income-pollution relationship at the global level”, with Krishna P. Paudel and Mahesh Pandit (revise and resubmit, Water Resources and Economics)

“The economics of managing Verticillium wilt, an imported disease in California lettuce”, with Christine L. Carroll, Colin A. Carter, Rachael E. Goodhue, and Krishna V. Subbarao (revise and resubmit, California Agriculture)

“Ethanol plant investment in Canada: A structural model”, with Fujin Yi

“Climate change, groundwater, crop choice, and irrigation technology: A review of recent studies”, with Ernst Bertone Oehninger, James N. Sanchirico, and Michael R. Springborn

“Property rights and groundwater management in the High Plains Aquifer”

“The effects of innovation on income inequality in China”, with Qingchun Liu

“The effects of China’s biofuel policies on agricultural and ethanol markets”, with Shuyang Si, James A. Chalfant, and Fujin Yi (under review)

- “The effects of an emissions cap on agriculture”, with Isabel Call
- “On the optimal allocation of regulatory power for public goods provision”
- “The effects of migration and remittances on productive investment in rural Mexico”, with Michael Castelhana, Daniel A. Sumner, and J. Edward Taylor
- “The economics of sustainable agricultural groundwater management: Recent findings”, with Louis Sears, Ernst Bertone Oehninger, and David Lim
- “Ten scalable solutions for bending the climate change curve the California way”, with Veerabhadran Ramanathan, Daniel M. Kammen, Fonna Forman, Jon Christensen, Lifang Chiang, Juliann E. Allison, Maximilian Auffhammer, David Auston, Anthony D. Barnosky, William D. Collins, Steven J. Davis, Susanna B. Hecht, Teenie Matlock, Daniel Press, Doug Rotman, Scott Samuelsen, Gina Solomon, and Byron Washom
- “The effects of public transportation and the built environment on the number of civilian vehicles in China”, with Qingchun Liu
- “The effects of Nature on learning in games”
- “A review of control options and externalities for Verticillium wilts”, with Christine L. Carroll, Colin A. Carter, Rachael E. Goodhue, and Krishna V. Subbarao (revise and resubmit, [Phytopathology](#))
- “The producer surplus associated with gasoline fuel use in the United States”, with Yongling Sun, Mark A. Delucchi and Joan M. Ogden
- “The conditional relationship between risk and return in Iran’s stock market”, with Mahdiah Rezagholizadeh, Kazem Yavari, and Bahram Sahabi
- “Using observed ozone-temperature relationships to project the effect of future climate change on ozone exceedances in the northeastern United States”, with Loretta J. Mickley, Katharine M. Hayhoe, Ed P. Maurer, Christian Hogrefe, Patrick L. Kinney, and Daniel J. Jacob

GRANTS

- National Center for Sustainable Transportation Federal Research Grant (\$74,805.48). Principal Investigator: C.-Y. Cynthia Lin Lawell. Awarded August 2015.
- Giannini Foundation of Agricultural Economics minigrant (\$26,817.17). Principal Investigator: C.-Y. Cynthia Lin. Awarded June 2015.
- National Center for Sustainable Transportation Federal Research Seed Grant (\$25,000). Principal Investigator: C.-Y. Cynthia Lin. Awarded July 2014.
- Resources for the Future Retrospective Studies of Regulatory Performance Grant (\$37,686.94). Principal Investigators: Aaron Smith, C.-Y. Cynthia Lin, and Gabriel E. Lade. Awarded September 2013.
- Giannini Foundation of Agricultural Economics minigrant (\$24,851). Principal Investigator: C.-Y. Cynthia Lin. Awarded June 2012.

UC-Davis Committee on Research Academic Senate Faculty Research Grant (\$12,000). Principal Investigator: C.-Y. Cynthia Lin. Awarded June 2012.

UC-Davis Sustainable Transportation Center Faculty Research Grant (\$59,995.99). Principal Investigator: C.-Y. Cynthia Lin. Awarded August 2011.

Giannini Foundation of Agricultural Economics minigrant (\$24,585). Principal Investigator: C.-Y. Cynthia Lin. Awarded June 2011.

UC-Davis Sustainable Transportation Center Seed Grant (\$9,919.34). Principal Investigator: C.-Y. Cynthia Lin. Awarded June 2011.

UC-Davis Hellman Fellowship (\$20,638). Awarded May 2011.

ITS Multi-campus Research Program and Initiative on Sustainable Transportation grant (\$17,000). Principal Investigator: C.-Y. Cynthia Lin. Awarded January 2011.

UC-Davis Chevron Research Grant (\$301,037). Principal Investigator: C.-Y. Cynthia Lin. Awarded December 2007.

UC-Davis Chevron Research Grant (\$369,308). Principal Investigator: C.-Y. Cynthia Lin. Co-PIs: Mark Delucchi, Christopher Knittel, and Daniel Sperling. Awarded February 2007.

TEACHING EXPERIENCE

University of California at Davis

ARE 175/ESP 175: Natural Resource Economics (2008 - present)

ARE 254: Dynamic Optimization Techniques with Economic Applications (2011 - present)

ARE 255 (formerly ARE 276 and ARE 298): Applied Dynamic Structural Econometric Modeling (2007 - present)

ARE147/M: Resource and Environmental Policy Analysis (2016 - present)

ECL 298: Environmental Policy and Human Ecology Core Course (Winter 2010)

ARE 199: Special Study for Advanced Undergraduates (2007 - present)

ECN 194HB: Honors Thesis in Economics (2011-2012)

Faculty Mentor, Vertical Integration of Research and Education in the Mathematical Sciences (VIGRE) Research Experiences for Undergraduates (Summer 2007)

Guest Lecturer, ARE 176: Environmental Economics (November 17, 2009)

Guest Lecturer, Engineering Civil and Environmental (ECI) 269: Transportation – Air Quality (May 2, 2007)

Guest Lecturer, Engineering Biological Systems (EBS) 216: Energy Systems (March 14, 2007)

Harvard University

Participant in Discussion Leading Master Class, Harvard University Derek Bok Center for Teaching and Learning (2005-2006)

Teaching Fellow for Prof. Martin Weitzman, Economics 1690: “Theory of Capital and Income” (Fall 2002 and Fall 2003)

PRESENTATIONS

“Discussion of price elasticity of demand”. Short-Term Domestic Gasoline Consumption Modeling Workshop. U.S. Energy Information Administration. Washington, DC. January 2017.

“Strategic interactions and dynamic behavior in natural resources, the environment, and energy”. Cornell University. Ithaca, NY. December 2016.

“Investment in corn-ethanol plants in the Midwestern United States: A structural econometric model of a dynamic game”. Statistical Methodology in the Social Sciences 2016. University of California at Davis Institute for Social Sciences. Davis, CA. October 2016.

“Strategic interactions, dynamic behavior, and natural resources”. Natural Resources and Governance Workshop. NHH – Norwegian School of Economics. Bergen, Norway. September 2016.

“The economics of groundwater management”. Bacon Lectureship Honorable Mention. University of California Center Sacramento. August 2016.

“Short- vs. long-term decision-making for disease control: A dynamic structural econometric model of Verticillium wilt management”. University of California at Davis. May 2016.

“Panel discussion: Combatting droughts and climate change: Experiences from Australia, Israel and Spain”. Water Pricing for a Dry Future: Policy Ideas from Abroad and their Relevance to California. Sacramento. February 2016.

“Comments on: ‘An evaluation of the toxicity of hydraulic fracturing injectants’, by Timothy Fitzgerald and Charles F. Mason”. American Economic Association Annual Meeting. San Francisco. January 2016.

“A theory of regulatory federalism”. 11th World Congress of the Econometric Society. Montreal. August 2015.

“Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”. Agricultural and Applied Economics Association (AAEA) Annual Meeting. San Francisco. July 2015.

“Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”. National Bureau of Economic Research (NBER) Summer Institute Environmental and Energy Economics Workshop. Cambridge, MA. July 2015.

“Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”. Stanford Institute for Theoretical Economics: Empirical Implementation of Theoretical Models of Strategic Interaction and Dynamic Behavior. Palo Alto, CA. July 2015.

“An analysis of alternative biofuel policies in the US”. Biobased Industry Center Advisory Board Meeting. Iowa State University (via WebEx). June 2015.

“The design and effects of biofuel policies”. Eighth Annual Berkeley Bioeconomy Conference: The Future of Biofuels. Berkeley, CA. April 2015.

“An analysis of the effects of government subsidies and the Renewable Fuel Standard on the fuel ethanol industry: A structural econometric model”. University of California at Davis Agricultural and Resource Economics Ph.D. Program 50th Anniversary. Davis, CA. March 2015.

“Groundwater”. University of California at Davis Agribusiness Workshop. Davis, CA. March 2015.

“The economics of energy: Dynamic behavior, strategic interactions and government policy”. CITRUS@Berkeley Research Exchange Seminar. Berkeley, CA. November 2014.

“Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”. Harvard Environmental Economics Program Research Workshop. Cambridge, MA. October 2014.

“Wind turbine shutdowns and upgrades in Denmark: Timing decisions and the impact of government policy”. Texas A&M. College Station, TX. September 2014.

“Market power in the world oil market: Evidence for an OPEC cartel and an oligopolistic non-OPEC fringe”. 37th International Association for Energy Economics International Conference. New York City. June 2014.

“Dynamic optimization and dynamic games in economics”. Graduate Group in Applied Math Mini-Conference. University of California at Davis. January 2014.

“The effects of energy prices on groundwater extraction in agriculture in the High Plains Aquifer”. American Economic Association Annual Meeting. Philadelphia. January 2014.

“Strategic decision-making with information and extraction externalities: A structural model of the multi-stage investment timing game in offshore petroleum production”. Georgia Institute of Technology. Atlanta, Georgia. August 2013.

“An analysis of the effects of government subsidies on the fuel ethanol industry: A structural econometric model”. 32nd United States Association for Energy Economics (USAEE) — International Association for Energy Economics (IAEE) North American Conference. Anchorage, AK. July 2013.

“Energy prices and groundwater extraction in agriculture”. Association of Environmental and Resource Economists Conference. Banff, Canada. June 2013.

“An analysis of the effects of government subsidies on the fuel ethanol industry: A structural econometric model”. Berkeley Bioeconomy Conference. Berkeley, CA. March 2013.

“Strategic decision-making with information and extraction externalities: A structural model of the multi-stage investment timing game in offshore petroleum production”. American University. Washington, DC. February 2013.

“Strategic decision-making with information and extraction externalities: An empirical analysis of investment timing decisions in offshore petroleum production”. American Economic Association Annual Meeting. San Diego. January 2013.

“The effects of policy and strategic factors on investment in fuel-ethanol plants”. American Economic Association Annual Meeting. San Diego. January 2013.

“Strategic decision-making with information and extraction externalities: An empirical analysis of investment timing decisions in offshore petroleum production”. 31st United States Association for Energy Economics (USAEE) — International Association for Energy Economics (IAEE) North American Conference. Austin, TX. November 2012.

“Strategic decision-making with information and extraction externalities: An empirical analysis of investment timing decisions in offshore petroleum production”. University of Wisconsin-Madison. September 2012.

“An analysis of ethanol investment decisions”. 3rd Annual All-UC Conference on Energy and Environmental Economics. Berkeley. June 2012.

“Research highlights”. UC-Davis Sustainable Transportation Energy Pathways Advisory Board Meeting. University of California at Davis. June 2012.

“Economic, policy and business strategy in energy”. Brightsource Energy. Oakland, CA. March 2012.

“The effects of policy and strategic factors on investment in fuel-ethanol plants”. Berkeley Bioeconomy Conference. Berkeley, CA. March 2012.

“Climbing gas prices”. Insight, Capital Public Radio. March 2012.

“Endogeneity in the environmental Kuznets curve: An instrumental variables approach”. American Economic Association Annual Meeting. Chicago. January 2012.

“Gasoline demand elasticities, gasoline price volatility, and the optimal gas tax for California”. Sacramento Economics Roundtable. September 2011.

“The effects of policy and strategic factors on investment in fuel-ethanol plants”. Rice University. September 2011.

“The effects of policy and strategic factors on investment in fuel-ethanol plants”. Association of Environmental and Resource Economists Conference. Seattle. June 2011.

“Do firms interact strategically?: An empirical analysis of investment timing decisions in offshore petroleum production”. University of California at Riverside. April 2011.

“Have OPEC producers colluded?: An empirical dynamic model of OPEC and non-OPEC”. OPEC at 50: Its past, present and future in a carbon-constrained world. National Energy Policy Institute/University of Tulsa. March 2011.

“Global energy issues”. UC-Davis International Relations Student Association Guest Speaker. University of California at Davis. February 2011.

“Investment in biofuels: The role of oil companies”. UC-Davis Sustainable Transportation Energy Pathways (STEPS) Symposium. University of California at Davis. January 2011.

“The effects of policy and strategic factors on investment in fuel-ethanol plants”. IO Fest 2010: The Annual Berkeley-Stanford Conference in Industrial Organization. Stanford University. November 2010.

“Do firms interact strategically?: An empirical analysis of investment timing decisions in offshore petroleum production”. University of Alberta. October 2010.

“Investment in corn-ethanol plants in the Midwestern United States”. Duke University. October 2010.

“Do firms interact strategically?: An empirical analysis of investment timing decisions in offshore petroleum production”. Triangle Resource and Environmental Economics Seminar. North Carolina. October 2010.

“How should standards be set and met?: On the allocation of regulatory power in a federal system”. University of Nevada at Reno. October 2010.

“Investment in fuel-ethanol plants”. Research Sketch. National Bureau of Economic Research (NBER) Summer Institute Environmental and Energy Economics Workshop. July 2010.

“The economics of investment in biofuels”. Third Berkeley Conference on the Bioeconomy. Berkeley, CA. June 2010.

“The optimal gas tax for California”. U.S. Energy Policy in Transition conference. Gainesville, FL. March 2010.

“Strategic behavior and government policy”. Graduate Group in Applied Math Mini-Conference. University of California at Davis. January 2010.

“Gasoline demand elasticities, gasoline price volatility, and the optimal gas tax for California”. 11th Occasional California Workshop on Environmental and Natural Resource Economics. Santa Barbara. October 2009.

“Gasoline demand elasticities, gasoline price volatility, and the optimal gas tax for California”. 2009 Harvard Environmental Economics Alumni Workshop. September 2009.

“Research on natural resources”. Visiting Delegation from Henan Province of P.R. China. University of California at Davis. September 2009.

“Understanding, modeling and analyzing energy markets”. UC-Davis Sustainable Transportation Energy Pathways Advisory Board Meeting. Asilomar. July 2009.

“How should standards be set and met?: On the allocation of regulatory power in a federal system”. University of California at Riverside. June 2009.

“An empirical dynamic model of OPEC and Non-OPEC”. Harvard University. February 2009.

“An empirical dynamic model of OPEC and Non-OPEC”. University of California at San Diego. January 2009.

“Energy outlook: Prospects and policies”. California State Controller Council of Economic Advisors meeting. Sacramento. December 2008.

“Dynamic and strategic decision-making in the energy industry”. Exxon-Mobil campus visit. Institute of Transportation Studies, University of California at Davis. July 2008.

“How should standards be set and met?: On the allocation of regulatory power in a federal system”. 10th Occasional Workshop on Environmental and Resource Economics. Santa Barbara. March 2008.

“Do firms interact strategically?: A structural model of the multi-stage investment timing game in offshore petroleum production”. University of California at Berkeley. February 2008.

“Do firms interact strategically?: A structural model of the multi-stage investment timing game in offshore petroleum production”. American Economic Association Annual Meeting. New Orleans. January 2008.

“An empirical dynamic model of OPEC and Non-OPEC”. 1st International Association for Energy Economics (IAEE) Asian conference. Taipei. November 2007.

“Modeling OPEC and non-OPEC behavior: A structural econometric approach”. IO Fest 2007: The 13th Annual Berkeley-Stanford Conference in Industrial Organization. Berkeley Haas School of Business. October 2007.

“Estimating and testing a dynamic model of OPEC and non-OPEC”. 27th United States Association for Energy Economics (USAEE) — International Association for Energy Economics (IAEE) North American Conference. Houston. September 2007.

“Business and investment strategies for clean tech commodities”. Panel on Biofuels: Successful Business Models for Clean Tech Commodities. Clean Technology Group, Entrepreneurship Program, MIT Club of Northern California. Google, Mountain View, CA. September 2007.

“Fossil fuels research highlights”. UC-Davis Sustainable Transportation Energy Pathways Advisory Board Meeting. Asilomar. August 2007.

“Strategic behavior and government policy”. Research Sketch. National Bureau of Economic Research (NBER) Summer Institute Workshop on Public Policy and the Environment. Cambridge, MA. July 2007.

“Managing energy markets: Policies and implications”. Swedish Parliament visit: New Energy and Techniques for a Better Future. University of California at Davis. June 2007.

“Energy: A Giannini jingle”. Annual Meeting of the Giannini Foundation of Agricultural Economics. UC-Berkeley. May 2007.

“A theory of regulatory delegation, with a framework for application to ozone smog regulation”. Ronald Coase Institute Conference on Institutional Research. Chicago. Dec. 2006.

“Do firms interact strategically?: An empirical analysis of investment timing decisions in offshore petroleum production”. 9th Occasional Workshop on Environmental and Resource Economics. Santa Barbara. Nov. 2006.

“How should standards be set and met?: An incomplete contracting approach to delegation in regulation”. University of California at Berkeley. Oct. 2006.

“How should standards be set and met?: An incomplete contracting approach to delegation in regulation”. University of California at Davis. Oct. 2006.

“Do firms interact strategically?: An empirical analysis of investment timing decisions in offshore petroleum production”. 3rd World Congress of Environmental and Resource Economists. Kyoto. July 2006.

“How should standards be set and met?: An incomplete contracting approach to delegation in regulation”. 3rd World Congress of Environmental and Resource Economists. Kyoto. July 2006.

2003-2006:

International Industrial Organization Conference, 2006
 University of California at Berkeley, 2006
 University of California at Davis, 2006
 University of Hawaii at Manoa, 2006

Rice University, 2006
Soka University, 2006
Repsol YPF – Harvard Seminar on Energy, 2005
Harvard University Environmental Economics and Policy Seminar, 2005
Harvard Environmental Economics Workshop, 2005
Interdisciplinary Spatial Statistics Workshop, 2004 (Paris)
INFER Conference 2004: Environmental Economics: Institutions, Competition, Rationality, 2004 (Wuppertal, Germany)
First Bonzenfreies Colloquium on Market Dynamics and Quantitative Economics, 2004 (Alessandria, Italy)
NBER Summer Institute Workshop on Public Policy and the Environment, 2004 (research sketch)
Second World Congress of the Game Theory Society, 2004 (Marseille)
International Conference on Industrial Organization, Law and Economics, 2004 (Chalkidiki, Greece)
Harvard University Environmental Economics and Policy Seminar, 2004
Repsol YPF – Harvard Seminar on Energy, 2003
NBER Summer Institute Workshop on Public Policy and the Environment, 2003 (research sketch)

WORKSHOPS, SUMMER PROGRAMS AND OTHER PROFESSIONAL MEETINGS

National Bureau of Economic Research Summer Institute Econometrics Minicourse (2007)
Stanford University Woods Institute for the Environment Inter-University Scholars Program: Engaging with California Government on Climate Change (2006)
Harvard University Christensen Discussion-Leading Seminar (2005-2006)
Ronald Coase Institute Workshop on Institutional Analysis (2004)
EAERE-FEEM-VIU Summer School: Dynamic Models in Economics and the Environment, scholarship recipient (2004)
XIV Seminario Repsol YPF ~ Harvard, A Coruña (2004)
EAERE-FEEM-VIU Summer School: Political Economy of the Environment (2003)
Interuniversity Centre for Game Theory and its Applications Summer School on Game Theory and the Environment, fellowship recipient (2002)
Social Science Research Council Program in Applied Economics Summer Workshop: Risk and Uncertainty (2002)
Social Science Research Council Program in Applied Economics Summer Workshop (2001)

SERVICE

Professional

Reviewer, Association of Environmental and Resource Economists Summer Conference (2017)
Reviewer, U.S. Association for Energy Economics North American Conference (2016)
Reviewer, MIT Press (2016)
Member, Program Committee for the 5th Annual Summer Conference of the Association of Environmental and Resource Economists (2016)
Discussant, American Economic Association Annual Meeting (2016)
Lead Author, University of California systemwide report on Bending the Curve: 10 Scalable Solutions for Carbon Neutrality and Climate Stability (2015)
Reviewer, University of Texas at Austin Bureau of Economic Geology promotion case (2015)
Member, Program Committee for the 4th Annual Summer Conference of the Association of Environmental and Resource Economists (2015)
Presidential Advisor, U.S. Association for Energy Economics (2014 - 2015)

Reviewer, Columbia University Center on Global Energy Policy (2014)
Reviewer, Resources for the Future Senior Fellow promotion case (2014)
Reviewer, Handbook of Water Economics and Institutions (2014)
Guest editor, Research in Transportation Economics Special Issue on Sustainable Transportation (2014 - 2015)
Reviewer, National Science Foundation economics grant (2013)
Reviewer, three-volume set on Public Economics: The Government's Role in American Economics (2013)
Member, U.S. Association for Energy Economics Membership Committee (2013 - 2015)
President, U.S. Association for Energy Economics Bay Area Chapter (2012 - present)
Member, Energy Dimensions Advisory Panel (2012 - present)
Associate Editor, Environmental Studies, Versita (2012-2013)
Session chair, Association of Environmental and Resource Economists session, Agricultural and Applied Economics Association Annual Meeting (2012)
Session chair, American Economic Association Annual Meeting (2012)
Member, U.S. Association for Energy Economics Bay Area Chapter Steering Committee (2012)
Reviewer, National Science Foundation economics grant (2012)
Reviewer, Annual Meeting of the Western Agricultural and Resource Economics Association (2012)
Associate Topic Editor, CAMEL (Climate, Adaption, Migration, Electronic Learning) (2011)
Referee, University of California Transportation Center research grant (2011)
Peer reviewer, EPA grant on “Research on the Design of Policies for Pollution Control Using Market Mechanisms” (2009)
Member, California State Controller’s Council of Economic Advisors (2007 - 2014)
Session chair, 3rd World Congress of Environmental and Resource Economists (2006)
Session chair, International Industrial Organization Conference (2006)
Referee, American Journal of Agricultural Economics [9]
Referee, Australian Journal of Agricultural and Resource Economics
Referee, American Journal of Economics and Sociology
Referee, B.E. Journal of Economic Analysis and Policy
Referee, Canadian Journal of Economics [2]
Referee, Canadian Public Policy/Analyse de Politiques
Referee, Contemporary Economic Policy
Referee, Empirical Economics [2]
Referee, Energy Economics [8]
Referee, Energy Journal [3]
Referee, Energy Policy [9]
Referee, Energy Research and Social Science
Referee, Energy Strategy Reviews
Referee, Environmental and Resource Economics
Referee, European Economic Review
Referee, International Journal of Agricultural Management and Development
Referee, International Journal of Production Economics
Referee, Journal of Agricultural and Applied Economics [2]
Referee, Journal of Agricultural and Resource Economics [2]
Referee, Journal of Comparative Economics
Referee, Journal of Economic Dynamics and Control
Referee, Journal of Environmental Economics and Management [11]
Referee, Journal of Environmental Economics and Policy
Referee, Journal of Political Economy
Referee, Journal of the Association of Environmental and Resource Economists [4]
Referee, Journal of Transport Economics and Policy
Referee, Journal of Urban Economics
Referee, Land Economics
Referee, Public Choice
Referee, Resource and Energy Economics
Referee, Review of Development Economics
Referee, Review of Economics and Statistics
Referee, Review of Environmental Economics and Policy

Referee, Society of Petroleum Engineers Economics and Management [3]
Referee, Southern Economic Journal
Referee, Theoretical Economics Letters
Referee, Transportation Research Part A: Policy and Practice
Referee, Water Economics and Policy
Referee, Water Resources and Economics [2]
Referee, Water Resources Research [2]

University of California at Davis

Member, Hellman Fellowship Review Committee (2015)
Chair, Institute of Transportation Studies Outstanding Thesis Award committee (2014)
Judge, Economics and Business Student Association Business Plan Competition (2014)
Member, Selection Committee for the Provost's Dissertation Year Fellowships (2013)
Speaker, Passport to Air Quality and Health, Santa Rosa Girl Scouts UC-Davis visit (2009)
Panelist, Gender and the job market panel (2007)

UC-Davis Agricultural and Resource Economics Department

Chair, Graduate Administrative Committee graduate awards committee (2016)
Member, Ad-hoc appraisal review committee (2015)
Member, Henry A. Jastro Research Award committee (2015)
Member, Applied Econometrics Faculty Search Committee (2014-2015)
Member, AES proposal ad-hoc review committee (2014)
Member, Henry A. Jastro Research Award committee (2014)
Member, Graduate Administrative Committee (2013-2016)
Member, Ad-hoc appraisal review committee (2013)
Member, Econometrics Faculty Search Committee (2012-2013)
Chair, Seminar Committee (2012-2016)
Reviewer, Econometrics Prelim Committee (2012)
Member, Environmental and Resource Economics Field Courses Committee (2012)
Member, Best Dissertation Selection Committee (2012)
Member, Mock interviewer for job market candidate (2011)
Member, AES proposal ad-hoc review committee (2011)
Member, AES proposal ad-hoc review committee (2010)
Member, Undergraduate Advisory Committee (2006-2013)
Member, Environmental and Resource Economics Field Courses Committee (2009-2010)
Member, Economics of Agricultural Sustainability Faculty Search Committee (2006-2007)

UC-Davis Environmental Science and Policy Department

Member, Ad-hoc merit review committee (2016)
Member, Ad-hoc merit review committee (2015)
Member, Ad-hoc fiscal-year term review committee (2013)
Member, Ad-hoc merit review committee (2013)
Member, Ad-hoc merit review committee (2013)
Member, Ad-hoc merit review committee (2012)
Member, AES proposal ad-hoc review committee (2012)
Member, Ad-hoc appraisal review committee (2011)
Member, Ad-hoc merit review committee (2011)
Member, Ad-hoc merit review committee (2010)
Member, Ad-hoc merit review committee (2009)

Harvard University Department of Economics

Panelist, Job market panel (2006)

MEDIA CITATIONS

- “Commentary: Underground overwatering no assurance of security”. The Porterville Recorder. 17 April 2017. URL: http://www.recorderonline.com/news/commentary-underground-overwatering-no-assurance-of-security/article_2e08fc32-2311-11e7-871e-37db3e8ad9e4.html
- “Ag at large: Underground overwatering no security assurance”. Western Farm Press. 24 March 2017. URL: <http://www.westernfarmpress.com/water/ag-large-underground-overwatering-no-security-assurance>
- “C.-Y. Cynthia Lin Lawell wins award for economics of groundwater management”. UC-Davis Agricultural and Resource Economics. 17 February 2017. URL: <https://are.ucdavis.edu/departments/news/2017/2/17/c-y-cynthia-lin-lawell-wins-award-economics-groundwater-management/>
- “Bringing back the jobs”. National Affairs. 26 August 2016. URL: <http://www.nationalaffairs.com/blog/detail/findings-a-daily-roundup/bringing-back-the-jobs>
- “Ferraro: Water conservation efforts may backfire”. Milwaukee Journal Sentinel. 13 August 2016. URL: <http://www.jsonline.com/story/opinion/crossroads/2016/08/13/ferraro-water-conservation-efforts-may-backfire/88691846/>
- “When conservation efforts end up using more water”. Bloomberg View. 2 August 2016. URL: <http://www.bloomberg.com/view/articles/2016-08-02/when-conservation-efforts-end-up-using-more-water>
- “The jam in Delhi’s traffic experiment”. The Hindu. 28 December 2015. URL: <http://www.thehindu.com/opinion/op-ed/the-jam-in-delhis-traffic-experiment/article8034350.ece?homepage=true>
- “Parisians will try car-free Sunday as run-up to hosting climate talks”. ClimateWire. 9 September 2015. URL: <http://www.eenews.net/stories/1060024381>
- “The unintended consequences of subsidized irrigation conservation”. Chicago Policy Review. 25 June 2015. URL: <http://chicagopolicyreview.org/2015/06/25/the-unintended-consequences-of-subsidized-irrigation-conservation/>
- “Students present food security research”. Davis Enterprise. 5 December 2014. URL: <http://www.davisenterprise.com/features/name-droppers/name-droppers-ucd-profs-honored-for-work-in-tropical-medicine/>
- “Five myths about California’s drought”. Washington Post. 29 August 2014. URL: http://www.washingtonpost.com/opinions/five-myths-about-californias-drought/2014/08/29/6a6b8ed4-2c69-11e4-994d-202962a9150c_story.html
- “Name droppers”. Davis Enterprise. 4 July 2014. URL: <http://www.davisenterprise.com/features/name-droppers/name-droppers-lea-rosenberg-takes-reins-of-odd-fellows/>
- “UC Davis research assistant awarded Chevron Energy Fellowship”. UC-Davis Institute of Transportation Studies, June 2014. URL: <https://its.ucdavis.edu/slide-show/uc-davis-research-assistant-awarded-chevron-energy-fellowship/>
- “Odd odd-number experiment has odd consequences. What are the odds?”. Institute for Research in Economic and Fiscal Issues. 27 March 2014. URL: <http://en.irefeurope.org/Odd-Odd-Number-Experiment-Has-Odd-Consequences-What-Are-The-Odds,a0983>
- “A report on the economics of California’s Low Carbon Fuel Standard and cost containment mechanisms”. Resources for the Future Library Blog. 2 January 2014. URL: <https://rfflibrary.wordpress.com/2014/01/02/a-report-on-the-economics-of-californias-low-carbon-fuel-standard-and-cost-containment-mechanisms/>

“UC Davis report finds LCFS compliance costs may rise rapidly; recommends offsetting measures”. Green Car Congress, 30 December 2013. URL: <http://www.greencarcongress.com/2013/12/20131230-lcfs.html>

“UC Davis report addresses compliance costs of California's LCFS”. Biodiesel Magazine, 30 December 2013. URL: <http://www.biodieselmagazine.com/articles/9475/uc-davis-report-addresses-compliance-costs-of-californias-lcfs>

“Report addresses compliance costs of California's LCFS”. Ethanol Producer Magazine, 27 December 2013. URL: <http://www.ethanolproducer.com/articles/10596/report-addresses-compliance-costs-of-californias-lcfs>

“Big changes in California LCFS are called for in a new report”. The Barrel, Platts, 19 November 2013. URL: <http://blogs.platts.com/2013/11/19/lcfs-report/>

“UC Davis report examines economics of LCFS, cost containment mechanisms”. UC-Davis Institute of Transportation Studies, November 2013. URL: <http://www.its.ucdavis.edu/research/research-findings/uc-davis-report-examines-economics-of-lcfs-cost-containment-mechanisms/>

“Whiskey is for drinking; water is for fighting”. AgChallenge2050, Farm Foundation, 26 July 2013. URL: <http://www.agchallenge2050.org/adaptability-resilience/2013/07/whiskey-is-for-drinking-water-is-for-fighting/>

“Programs to reduce ag’s water use must be strengthened, not cut”. AgMag BLOG, Environmental Working Group, 28 May 2013. URL: <http://www.ewg.org/agmag/2013/05/programs-reduce-ag-s-water-use-must-be-strengthened-not-cut>

“Wells dry, fertile plains turn to dust”. New York Times, 19 May 2013. URL: http://www.nytimes.com/2013/05/20/us/high-plains-aquifer-dwindles-hurting-farmers.html?pagewanted=all&_r=0

“Profile: C.-Y. Cynthia Lin, 2011 Hellman Fellow, Agricultural and Resource Economics, UC Davis”. Hellman Fellows Program 2011 Annual Report, Dec. 2012.

“Sex, lies and natural disasters”. The Guardian, 27 Jan. 2012. URL: <http://www.guardian.co.uk/lifeandstyle/2012/jan/28/shortage-of-school-places-floods-gloucestershire>

“Climbing gas prices”. Insight, Capital Public Radio, 5 March 2012.

“Research leader focus”. STEPS Newsletter, Nov. 2009, p.4.

“ARE Faculty Profile: C.-Y. Cynthia Lin”.. Agricultural and Resource Economics Update, 12 (4), Mar./Apr. 2009.

“Chiang names new economic advisory council”. 27 Apr. 2007.

“Dutch energy company opens American branch in West Sacramento”. The California Aggie, 9 Feb. 2007.

“Academia boot camp”. The Sacramento Bee, 3 Dec. 2006.

“KSG faculty groups select recipients for Stone Prizes”. Harvard University Gazette, 25 May 2006.

“64 seniors win top thesis honors”. Harvard Crimson, 17 May 2000. URL: <http://www.thecrimson.com/article/2000/5/17/64-seniors-win-top-thesis-honors/?page=single>

“Phi Beta Kappa Junior 25 of the class of 2000 announced”. Harvard University Gazette, 22 April 1999. URL: <http://news.harvard.edu/gazette/1999/04.22/phibeta.html>

“Phi Beta Kappa names class of 2000 honorees”. Harvard Crimson, 20 April 1999. URL: <http://www.thecrimson.com/article/1999/4/20/phi-beta-kappa-names-class-of/>

“New ways to look for work”. Harvard Magazine, May-June 1998. URL:
<http://harvardmagazine.com/1998/05/alumni.new.html>

FORMER GRADUATE STUDENTS

Michael K. Adjemian

Ph.D., Agricultural and Resource Economics, 2009
Economist, USDA Economic Research Service

Justin Beaudoin

Ph.D., Agricultural and Resource Economics, 2015
Visiting Assistant Professor, Department of Economics, Colgate University, 2015-2016
Assistant Professor, School of Interdisciplinary Arts and Sciences, University of Washington at Tacoma

Christine L. Carroll

Ph.D., Agricultural and Resource Economics, 2015
Postdoctoral scholar, Agricultural and Resource Economics, 2015-2016
Assistant Professor, College of Agriculture, California State University at Chico

Michael Castelhana

Ph.D., Agricultural and Resource Economics, 2014
Market Monitoring Analyst, California ISO

Jonathan A. Cook

Ph.D., Agricultural and Resource Economics, 2013
Senior Consultant, Nexant, 2013-2016
Economist, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Joeri de Wit

Ph.D., Agricultural and Resource Economics, 2013
Energy Economist, World Bank

Barbara Farinelli

M.S., Agricultural and Resource Economics, 2008
Energy consultant, World Bank

Abbas Ghandi

Ph.D., Transportation Technology and Policy, 2013
Postdoctoral scholar, Institute of Transportation Studies, 2013-2015
Postdoctoral Researcher, Center for Next Generation Photovoltaics, University of Texas at Austin, 2015-2016
Postdoctoral Research Associate, Energy Initiative, Joint Program on the Science and Policy of Global Change, MIT

David R. Heres del Valle

Ph.D., Agricultural and Resource Economics, 2009
Assistant Professor, Department of Economics, Center for Research and Teaching in Economics (CIDE), Mexico

Sunny L. Jardine

Ph.D., Agricultural and Resource Economics, 2013
Assistant Professor, School of Marine Science and Policy, University of Delaware, 2013-2016
Assistant Professor, School of Marine and Environmental Affairs, University of Washington
Honorable Mention, North American Association of Fisheries Economists Best Student Paper Competition, 2013

Gabriel E. Lade

Ph.D., Agricultural and Resource Economics, 2015

Assistant Professor, Department of Economics, Iowa State University
1st Place Paper and Presentation, International Academic Conference for Graduate Students, Nanjing, 2014
Honorable Mention, UC-Davis Agricultural and Resource Economics Best Ph.D. Dissertation, 2015

Wayne Leighty
M.S., Transportation Technology and Policy, 2008
Commercial Regulatory Analyst, Shell Oil Company
UC-Davis Institute of Transportation Studies Outstanding Master's Thesis of the Year, 2008

Xiaochen Ma
Ph.D., Agricultural and Resource Economics, 2015
Assistant Professor, China Center for Health Development Studies, Peking University

Ana McPhail
Ph.D., Civil and Environmental Engineering, Rice University, 2014
Socially Responsible Investment Planning Assistant, Communitas Financial

Geoffrey M. Morrison
M.S., Agricultural and Resource Economics, 2011
Ph.D., Transportation Technology and Policy, 2013
Adjunct Professor, Robert F. Wagner Graduate School of Public Service, New York University, 2013
ORISE Fellow, Office of Fuel Cell Technologies, Department of Energy, 2014-2015
Associate, The Cadmus Group
UC-Davis Institute of Transportation Studies Outstanding Master's Thesis of the Year, 2011
UC-Davis Institute of Transportation Studies Outstanding Ph.D. Dissertation of the Year, 2013

Lisa Pfeiffer
Ph.D., Agricultural and Resource Economics, 2009
Economist, NOAA National Marine Fisheries Service Northwest Fisheries Science Center

Lea Prince
Ph.D., Agricultural and Resource Economics, 2014
Research Analyst, Health Policy Institute, School of Medicine, Stanford University

Karen E. Thome
Ph.D., Agricultural and Resource Economics, 2012
Postdoctoral scholar, Agricultural and Resource Economics, 2012-2014
Research Agricultural Economist, USDA Economic Research Service

Fujin Yi
Ph.D., Agricultural and Resource Economics, 2011
Postdoctoral scholar, Agricultural and Resource Economics, 2012
Associate Professor, College of Economics and Management, Nanjing Agricultural University
Honorable Mention, UC-Davis Agricultural and Resource Economics Best Ph.D. Dissertation, 2011

Jieyin (Jean) Zeng
M.S., Transportation Technology and Policy, 2014
Ph.D. candidate, Accounting, Berkeley Haas School of Business

Wei Zhang
Ph.D., Agricultural and Resource Economics, 2013
Postdoctoral scholar, University of California Agricultural Issues Center, 2013-2014
Assistant Professor, Department of Economics, Connecticut College

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Agricultural and Applied Economics Association
American Economic Association
Association of Environmental and Resource Economists
Canadian Economics Association
Econometric Society
International Association for Energy Economics
Royal Economic Society
U.S. Association for Energy Economics
U.S. Association for Energy Economics Bay Area Chapter

PREVIOUS WORK EXPERIENCE

Harvard University, Research Assistant in Economics for Prof. Dale Jorgenson	Summer 2001
Harvard University, Research Assistant in Atmospheric Chemistry for Prof. Daniel Jacob	9/1998 to 9/2000
Environmental Policy Intern for Massachusetts State Senator Lois G. Pines	Summer 1998
Harvard University, Radcliffe Research Partner for Barbara Goldoftas	Summer 1998
Biotech Investment Consultant for Wiltshire Associates, Ltd.	Summer 1997

CONSULTING

Economic and Planning Systems, Inc. (wind energy) (2010)

SKILLS

Computer languages: IDL, R/S-Plus, Matlab, C, Fortran, TSP, Stata.

Foreign languages: Proficient in Mandarin and French.

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