

DAN WEI

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Education

Ph.D. (Geography)	The Pennsylvania State University	2007
M.S. (Public Policy and Management)	Tsinghua University	2002
B.E. (Engineering Physics)	Tsinghua University	1999

Academic and Professional Positions

Research Assistant Professor, Price School of Public Policy, University of Southern California	January 2011-present
Postdoctoral Research Associate, School of Policy, Planning, and Development, University of Southern California	July 2008-December 2010
Postdoctoral Fellow, School of Policy, Planning, and Development, University of Southern California	September 2007-June 2008
Economic Modeler, Center for Climate Strategies	July 2007-December 2015
Research Assistant and Teaching Assistant, Department of Geography, The Pennsylvania State University	September 2002-June 2007

Peer-Reviewed Journal Articles

- Wei, D.**, Bruges, A., Rose, A., de la Parra, C., Gacia, R., and Matinez, F. 2016. "Climate Change and the Economy in Baja California: Assessment of Macroeconomic Impacts of the State's Climate Action Plan," *Ecological Economics*, forthcoming.
- Prager, F., **Wei, D.**, and Rose, A. 2016. "Total Economic Consequences of an Influenza Outbreak in the United States," *Risk Analysis*, online version: doi: 10.1111/risa.12625.
- Rose, A., Sue Wing, I., **Wei, D.**, and Wein, A. 2016. "Economic Impacts of a California Tsunami," *Natural Hazards Review* 17(2): 1-12.
- Prager, F., Rose, A., **Wei, D.**, Roberts, B., and Baschnagel, C. 2015. "Economywide Impacts of Reduced Wait Times at U.S. International Airports," *Research in Transportation Business & Management* 16: 112-120.
- Wei, D.**, Dormady, N., and Rose, A. 2015. "Development of Reduced-Form Models to Evaluate Macroeconomic Impacts of Greenhouse Gas Mitigation," *Journal of Sustainable Energy Engineering* 2(4): 377-397.
- Nelson, H., Rose, A., **Wei, D.**, Peterson, T., and Wennberg, J. 2015. "Intergovernmental Climate Change Mitigation Policy: Theory and Outcomes," *Journal of Public Policy* 35(1): 97-136.
- Roberts, B., Rose, A., Heatwole, N., **Wei, D.**, Avetisyan, M., Chan, O., and Maya, I. 2014. "The Impact on the U.S. Economy of Change in Wait Times at Ports of Entry," *Transport Policy* 35: 162-175.

- Delaquil, P., Goldstein, G., Nelson, H., Peterson, T., Roe, S., Rose, A., **Wei, D.**, and Wennberg, J. 2014. “Developing and Assessing Economic, Energy and Climate Security and Investment Integration Options for the U.S.,” *Low Carbon Economy* 5.
- Wei, D.** and Rose, A. 2014. “Macroeconomic Impacts of the California Global Warming Solutions Act on the Southern California Economy,” *Economics of Energy and Environmental Policy* 3(2): 101-118.
- Rose, A. and **Wei, D.** 2013. “Estimating the Economic Consequences of a Port Shutdown: The Special Role of Resilience,” *Economic Systems Research* 25(2): 212-232.
- Rose, A., **Wei, D.**, and Prager, F. 2012. “Distributional Impacts of Greenhouse Gas Emissions Trading: Alternative Allocation and Recycling Strategies in California,” *Contemporary Economic Policy* 30(4): 603-617.
- Rose, A. and **Wei, D.** 2012. “Macroeconomic Impacts of the Florida Energy and Climate Change Action Plan,” *Climate Policy* 12(1): 50-69.
- Rose, A., **Wei, D.**, and Dormady, N. 2011. “Regional Macroeconomic Assessment of the Pennsylvania Climate Action Plan,” *Regional Science Policy and Practice* 3(4): 357-379.
- Rose, A., **Wei, D.** and A. Wein. 2011. “Economic Impacts of the ShakeOut Scenario,” *Earthquake Spectra* 27(2): 539-557.
- Wei, D.** 2010. “Regional Classification to Enhance Equity and Efficiency in Energy Policy: The Case of Energy Conservation In China,” *Environment and Planning A* 42(1): 153-168.
- Rose, A., **Wei, D.**, Wennberg, J., and Peterson, T. 2009. “Climate Change Policy Formation in Michigan: The Case for Integrated Regional Policies,” *International Regional Science Review* 32(4): 445-465.
- Wei, D.** and Rose, A. 2009. “Interregional Sharing of Energy Conservation Targets in China: Efficiency and Equity,” *The Energy Journal* 30(4): 81-111.
- McKinstry, R.B., Peterson, T.D., Rose, A., and **Wei, D.** 2009. “The New Climate World: Achieving Economic Efficiency in a Federal System for GHG Regulation through State Planning,” *North Carolina Journal of International Law and Commercial Regulation* 34(3): 767-850.
- Rose, A. and **Wei, D.** 2008. “Greenhouse Gas Emissions Trading Among Pacific Rim Countries: An Analysis of Policies to Bring Developing Countries to the Bargaining Table,” *Energy Policy* 36: 1420-1429; reprinted as Chapter 20 in Rose, A. (ed.) *The Economics of Climate Change Policy*. Cheltenham, UK: Edward Elgar Publishing.

Books

- Rose, A., Prager, F., Chen, Z., Chatterjee, S., **Wei, D.**, Heatwole, N., and Warren, E. 2016. *Economic Consequence Analysis of Disasters – The E-Cat Software Tool*. Springer. Forthcoming.

Book Chapters

- Roberts, B., Rose, A., Heatwole, N., **Wei, D.**, Avetisyan, M., Prager, F., Baschnagel, C., and Maya, I. 2016. “Economic Impacts of Changes in Wait Times at U.S. Ports of Entry,” in Abbas, A., Tambe, M., and Detlof, W. (ed.) *Improving Homeland Security Decisions*. New York, NY: Cambridge University Press. Forthcoming.
- Rose, A., **Wei, D.**, Wennberg, J., and Peterson, T. 2009. “Climate Change Policy Formation in Minnesota: The Case for a Regional Approach,” Chapter 30 in Rose, A. (ed.) *The Economics of Climate Change Policy*. Cheltenham, UK: Edward Elgar Publishing.

Rose, A., Asay, G., **Wei, D.**, and Leung, B. 2009. "Macroeconomic Impacts of Shutting Down the U.S. Borders in Response to a Security or Health Threat," Chapter 13 in H. Richardson, P. Gordon, and J. Moore, II (eds.) *Global Business and The Terrorist Threat*. Cheltenham, UK: Edward Elgar Publishing.

Conference Proceedings

Orosz, M., Salazar, D., Chatterjee, S., **Wei, D.**, Chen, J., Maya, I. 2013. "Protecting our Nation's Ports with the Port Security Risk Analysis and Resource Allocation System (PortSec 3.0)," *IEEE Technologies for Homeland Security 2013 Conference Proceedings*: pp. 38-42.

Lennon, E., Orosz, M., Kichkaylo, T., Maya, I., **Wei, D.** 2012. "PortSec2.0: The Next Generation," *IEEE Technologies for Homeland Security 2012 Conference Proceedings*: pp. 255-259.

Working Papers

Wei, D., Maya, I., Rajagopalan, R., Vyas, N. "Economic Trends and Disruptive Technologies: Identify Areas to Enhance Shared Awareness between Public and Private Sectors in the Trade Community".

Lawrence, M., **Wei, D.**, Rose, A., and Williamson, S. "Macroeconomic Impacts of Proposed Climate Change Mitigation Strategies for Transportation in Southern California," revised and resubmitted to *Research in Transportation Economics*.

Yeh, S., Yang, C., Gibbs, M., Roland-Holst, D., Greenblatt, J., Mahone, A., **Wei, D.**, Brinkman, G., Bushnell, J., Cunningham, J., Eggert, A., Goulder, L., Haley, B., Hart, E., and Williams, J. "Can California Achieve 40 percent Greenhouse Gas Emissions Reduction in California by 2030?" submitted to *Energy Strategy Review*.

Rose, A., **Wei, D.**, and Bento, A. "Equity Implications of the COP21 Intended Nationally Determined Contributions to Reduce Greenhouse Gas Emissions".

Wei, D. and Wein, A. "Economic Resilience to Port Disruption: A Case Study of POLA/POLB for the USGS SAFRR Tsunami Scenario".

Wei, D., Rose, A., and Lahr, M. "Analysis of Economic Impacts of the Earthquake Scenarios in British Columbia and Quebec".

Rose, A., **Wei, D.**, and Peterson, T. "A Comparative Analysis of the Macroeconomic Impacts of State Climate Action Plans".

Rose, A., **Wei, D.**, and Huyck, C. "Improving Catastrophe Modeling for Business Interruption Insurance Needs: The Case of Contingent Business Interruptions".

Rose, A., Sue Wing, I., **Wei, D.**, and Avetisyan, M. "Total Regional Economic Losses from Water Supply Disruptions to the Los Angeles County Economy".

Non-Refereed Articles

Wei, D. and Chen, W.Y. 2001. "Analysis of Energy Conservation and Its Impacts on Environment of Beijing," *Academic Communication*, School of Public Policy and Management, Tsinghua University. (in Chinese)

Funded Research

Co-PI. NY Prize Microgrid: Macroeconomic Modeling Plan. New York State Energy Research &

Development Authority (NYSERDA). May 2016-October 2016. \$49,878.

PI. Economic Analysis for SAFRR Tsunami and HayWired Scenarios. USGS. September 2015-January 2016. \$44,999.

PI. Development of an Economic Framework to Evaluate Resilience in Recovering from Major Port Disruptions. METRANS. August 2015-August 2016. \$78,148.

Co-Investigator. Analysis of a Deductible Formula for FEMA Post-Disaster Public Assistance. FEMA. June 2015-March 2016. \$213,319.

Co-Investigator. Sharpening Expertise Initiative: A Research and Development Study of the Education, Training and Workforce Development Needs of the Global Supply Chain Community. CBP. March 2015-October 2015. \$15,026 allocated to me.

PI. Evaluation of Economic Impacts of The EXPO Center: Contributing to the Los Angeles County Economy. The Friends of the EXPO Center. February 2015-June 2015. \$9,968.

PI. Haywired Scenario: Economic Consequence Modeling. USGS. September 2014-February 2015. \$24,950.

Co- Investigator. Economic Impact of CBP's CEE's and Trade Mission, Phase II. DHS/CBP. August 2014-July 2015. \$900,000.

Co- Investigator. Collaborative Research: An Integrated Approach to Measuring Economic Resilience Following Disasters. NSF. August 2014-July 2016. \$266,005.

Co- Investigator. CBP Border Wait Time Study II. DHS/CBP. October 2013-June 2014. \$200,000.

Co- Investigator. Value of Information and Economic Analysis to Improve Biosurveillance: Integrating Insights from Economic Models into Biosurveillance Analysis. DHS/NBIC. September 2013-May 2014. \$300,000.

Co- Investigator. Modeling the Temporal and Spatial Consequences of Nuclear and Radiological Terrorism Events. DHS/DNDO. September 2013-September 2014. \$275,000.

PI. Indirect Economic Impacts of Earthquakes in British Columbia and Quebec. Insurance Bureau of Canada (sub-contract through AIR Worldwide). February 2013-June 2013. \$33,158.

Co- Investigator. CBP Border Wait Time Study. DHS/CBP. October 2012-September 2013. \$200,000.

PI. Macroeconomic Impacts of Climate Action Planning in China and Mexico. Center for Climate Strategies (CCS). July 2012-December 2014. \$63,000.

Co- Investigator. Total Regional Economic Losses from Water Supply Disruptions: Analysis for Los Angeles County. Woodbury University (coordinating funding from LADWP, MWD and other local water agencies). May 2012-August 2012. \$52,404.

PI. Economic Impact Analysis of Sea Level Rise for the City of Los Angeles. USC Sea Grant. February 2012-January 2013. \$11,460.

Co-PI. Macroeconomic Impacts of Climate Action Planning. CCS. July 2011-June 2012. \$89,500.

PI. China Climate Change Policy Capacity. CCS. April 2011-December 2011. \$15,000.

Co-PI. Macroeconomic Impacts of Greenhouse Gas Mitigation Options for New York State. New York State Energy Research and Development Authority (NYSERDA). February 2011-June 2011. \$46,000.

Co- Investigator. Measuring Economic Risk Benefits of USCG Marine Safety Programs. USCG-DHS. November 2010-September 2011. \$150,000.

Co-PI. Climate Change in China: capacity building and facilitation of Guangdong low-carbon development planning. CCS. October 2010-December 2010. \$14,000.

Co-Investigator. Socioeconomic Impact and Regional Competitiveness Analysis of AB32/SB375.

Southern California Association of Governments (SCAG) (sub-contract through CCS). May 2010-December 2012. \$39,464.

Co-Investigator. Energy and Climate Change. CCS. July 2009-December 2010. \$170,000.

Co-Investigator. GHG Emission Abatement Cost Curves and Macro Economic Impact Analysis of Mitigation Options for New York State. NYSERDA (sub-contract through CCS). September 2008-June 2012. \$47,000.

Research Reports

Rose, A., Ganderton, P., Eyer, J., **Wei, D.**, von Winterfeldt, D., and Bostic, R. 2016. *Analysis of a Deductible Formula for FEMA Post-Disaster Public Assistance*. Final Report to the Federal Emergency Management Agency.

Rose, A., Roberts, B., **Wei, D.**, Chen, Z., Foreman, K., and McGonegal, S. 2015. *Economic Impact of CBP Enforcement Activity Relating to Priority Trade Issues (PTIs)*. Report to U.S. Customs and Border Protection.

Maya, I., Rajagopalan, R., Vyas, N., and **Wei, D.** 2015. *Sharpening Expertise: Future Trade Workforce 2020*. Report to Custom and Border Protection.

Wei, D., Morrison, B., Yuan, C., and Tokyzhanova, T. 2015. *Evaluation of Economic Impacts of The EXPO Center: Contributing to the Los Angeles County Economy*. Report to The Friends of EXPO Center.

Rose, A., Prager, F., **Wei, D.**, and Lahri, S. 2015. *Broadening Economic Modeling for Biosurveillance Analysis*. Final Report to the National Biosurveillance Integration Center.

Wei, D., Rose, A., Brugues, A., and de la Parra, C. 2014. "Macro-economic Impacts of Policy Recommendations," Chapter 9 in *Final Report of the Baja California Phase 2 Climate Action Plan*.

Heatwole, N., Rose, A., **Wei, D.**, Dixon, P., Rimmer, M., and Wittwer, G. 2014. *Modeling the Temporal and Spatial Consequences of Nuclear Terrorism Events*. Report to the U.S. Domestic Nuclear Detection Office.

Robets, B., McGonegal, S., Prager, F., **Wei, D.**, Rose, A., Bachnagel, C., Beggs, T., and Baghelai, O. 2014. *Analysis of Primary Inspection Wait Time at U.S. Ports of Entry*. Report to U.S. Customs and Border Protection.

Wein, A., Rose, A., Sue Wing, I., and **Wei, D.** 2013. *Economic Impacts of the SAFRR Tsunami Scenario in California*. Report to USGS.

Wei, D., Rose, A., and Lahr, M. 2013. *Analysis of Indirect Economic Impacts of the Earthquake Scenarios in British Columbia and Quebec*. Final Report to AIR Worldwide (study funded by Insurance Bureau of Canada).

Roberts, B., Heatwole, N., **Wei, D.**, Avetisyan, M., Chan, O., Rose, A., and Maya, I. 2013. *The Impact on the U.S. Economy of Changes in Wait Times at Ports of Entry*. Final Report to U.S. Customs and Border Protection.

Rose, A., Sue Wing, I., **Wei, D.**, and Avetisyan, M. 2012. *Total Regional Economic Losses from Water Supply Disruptions to the Los Angeles County Economy*. Final Report to Los Angeles Economic Development Corporation.

Wei, D. and Chatterjee, S. 2012. *Economic Impact of Sea Level Rise to City of Los Angeles*, in the Report of *Sea Level Rise Vulnerability Study for the City of Los Angeles*. A Report for the Mayor of Los Angeles.

Rose, A. and **Wei, D.** 2012. *Macroeconomic Impact Analysis for Energy, Commerce, and Resources (ECR) Policies for the SCAG Region*. Report to Southern California Association of

Governments (SCAG).

- Wei, D.** and Rose, A. 2011. *The Macroeconomic Impact of the New York Climate Action Plan: A Screening Analysis*. Report to New York State Energy Research and Development Authority.
- Rose, A. and **Wei, D.** 2011. *Measuring Economic Risk Benefits of USCG Marine Safety Programs*. Final Report to U.S. Department of Homeland Security.
- Rose, A., **Wei, D.**, and Prager, F. 2010. *Aggregate and Distributional Impacts of AB32 on the California Economy: Alternative Allocation Strategies for Cap and Trade*. Report to Next 10. http://www.next10.org/next10/pdf/trading/Rose_Final.pdf.
- Rose, A., **Wei, D.**, and Miller, S. 2010. *Macroeconomic Impacts of the New Mexico Cap-And-Trade Program on the State's Economy: A REMI Analysis*. Report to New Mexico Environment Department.
- Peterson, T., Wennberg, J., Rose, A., and **Wei, D.** 2010. *Impacts of Comprehensive Climate and Energy Policy Options on the U.S. Economy*. Johns Hopkins University, Baltimore. <http://advanced.jhu.edu/academic/government/energy-policy-report/>.
- Miller, S., **Wei, D.**, and Rose, A. 2010. *The Macroeconomic Impact of the Michigan Climate Action Council Climate Action Plan on the State's Economy*. Report to Michigan Department of Environmental Quality. <http://www.climatestrategies.us/ewebeditpro/items/O25F22416.pdf>.
- Rose, A. and **Wei, D.** 2009. "Macroeconomic Assessment," Chapter 11 in Pennsylvania Climate Action Plan. <http://www.depweb.state.pa.us/energy/cwp/view.asp?q=539829>.
- Rose, A. and **Wei, D.** 2009. *The Economic Impact of the Florida Energy and Climate Change Action Plan on the State's Economy*. Report to the Governor Office of the State of Florida.
- Rose, A., **Wei, D.**, and Wennberg, J. 2009. "Market-Based Policies," Chapter 4 in *Michigan Climate Action Council Final Report*. <http://www.miclimatechange.us/stakeholder.cfm>.
- Rose, A., **Wei, D.**, and Wennberg, J. 2008. "Cap and Trade," Chapter 4 in *Florida Governor's Action Team on Energy and Climate Change Final Report*. <http://www.flclimatechange.us/stakeholder.cfm>.
- Rose, A., **Wei, D.**, and Wennberg, J. 2008. "ES-3: GHG Cap and Trade and ES-9: Carbon Tax," in Chapter 4 of *Maryland Climate Action Plan*.
- Rose, A. and **Wei, D.** 2007. "Computing Regional Business Interruption Losses from Disruption to Water and Wastewater Utilities," Report to ASME-Innovative Technologies Institute.
- Rose, A. and **Wei, D.** 2007. "Input-Output Analysis of the Price Impact on Food Processors of Increased Renewable Fuel Standard Levels," Report to the American Petroleum Institute.
- Rose, A. and **Wei, D.** 2006. "Economic Analysis of a Cap and Trade System for Carbon Dioxide Emission Reduction in the Western States," Report to the New Mexico Climate Change Advisory Group. <http://www.nmclimatechange.us/ewebeditpro/items/O117F10118.pdf>.
- Rose, A. and **Wei, D.** 2006. "The Economic Impacts of Coal Utilization and Displacement in the Continental United States, 2015," Report to the Center for Energy and Economic Development, Inc. <http://www.ceednet.org/ceed/index.cfm?cid=7505>.
- Rose, A., **Wei, D.**, and Yang, B. 2005. "Economic Impacts of Oregon's Indigenous Energy Resources: a PC-Based Model," Report to the Oregon Department of Energy.
- Wei, Z.H., Lv, Y.Y., and **Wei, D.** 2001. "Promotion and Financing of Clean Energy Development in China," Greening Industry Network Conference: ADB (Asian Development Bank)-sponsored sessions, Bangkok, Thailand. January 21-25, 2001.

Professional Presentations and Talks

- “Analysis of Indirect Economic Impacts of Earthquake Scenarios in British Columbia and Quebec,” presented at the 47th Mid-Continent Regional Science Association Annual Conference and the 11th Biennial IMPLAN National User’s Conference, Charlotte, NC, June 9-June 11, 2016.
- “Economic Resilience in Recovering from Major Port Disruptions,” presented at the Annual Conference of American Association of Geographers, San Francisco, CA, March 29-April 2, 2016.
- “The Economics of Climate Mitigation Policies: the Case of California,” invited talk at Institute of Energy, Environment and Economy, Tsinghua University, Beijing, China, November 9, 2015.
- “The Economics of Emissions Trading between China, the European Union and California,” presented at Energy Policy Exchange Forum, Beijing, China, November 5-7, 2015.
- “Trade Outlook 2020: Survey Findings,” Trade Outlook 2020 Roundtable, Chicago, IL, July 30, 2015.
- “Macroeconomic Impacts of Climate Policies in California,” presented at the Greenhouse Gas Emissions Modeling – California 2030 Forum, UC Davis, CA, February 23, 2015.
- “Climate Change and the Economy in the U.S.-Mexico Border: Challenges in the Implementation of Policies at the State and Local Level,” presented at the APPAM 2014 Fall Research Conference, Albuquerque, NM, November 6-8, 2014.
- “A Comparative Analysis of the Macroeconomic Impacts of State Climate Action Plans,” presented at the Annual Meeting of American Association of Geographers, Tampa, FL, April 8-12, 2014.
- “Overview of REMI Macroeconomic Impact Analysis on Climate Action Plans in the U.S.,” webinar presentation to professors and students from Jinan University, March 26, 2014.
- “Economic Impact of Sea Level Rise to City of Los Angeles,” Los Angeles Regional Collaborative for Climate Change and Sustainability 3rd Month Forum: Regional Coastal Impacts and Local Opportunities, Santa Monica, CA, January 7, 2014.
- “Economic Impacts of the SAFRR Tsunami Scenario in California: The Role of Resilience,” National Strategic Maritime Risk Stakeholder Alliance Meeting, West Lafayette, IN, November 20-21, 2013.
- “Capacity Building of Subnational Low-Carbon Development Planning in China,” Center for International Studies Transnational Climate Policy Research Cluster Workshop, USC, May 3, 2013.
- “Macroeconomic Impacts of AB32 on the SCAG Economy,” presented at the Annual Meeting of American Association of Geographers, Los Angeles, CA, April 9-13, 2013.
- “Link between REMI Model and Climate Action Planning: Assessment of Macroeconomic Impacts of State Climate Action Plans in REMI,” invited talk at the Economic, Environmental, and Energy Discussion Workshop, Institute of Policy and Management, Chinese Academy of Sciences, Beijing, China, July 16-18, 2012.
- “State Climate Action Planning in the U.S.: Policy and Impact Analysis,” invited talk at California State University, Northridge, CA, June 30, 2012
- “Aggregate and Distributional Impact Analysis of GHG Mitigation Options,” invited talk at Chinese Academy of Governance U.S. Low Carbon Development Workshop, USC, Los Angeles, CA, May 29, 2012.
- “Modeling the Economic Impacts of State Climate Policies,” Good Jobs, Green Jobs West Conference, Los Angeles, CA, March 15-16, 2012.
- “Aggregate and Distributional Impacts of California Global Warming Solutions Act on the California State Economy,” presented at the Annual Meeting of Association of American Geographers, New York City, NY, February 24-28, 2012.

- “CCS-REMI Subnational Climate and Energy Policies, Markets,” REMI webinar, January 18, 2012.
- “Macroeconomic Screening Tool for Climate and Energy Policies,” CCS Security and Investment meeting at Johns Hopkins Center for Advanced Governmental Studies, November 30, 2011.
- “The Impacts of Greenhouse Gas Mitigation Policy Options on The Pennsylvania State Economy,” 30th USAEE/IAEE Annual North American Conference, Washington, D.C., October 9-12, 2011.
- “Macroeconomic Impact Analysis of GHG Mitigation Policy Options,” Technical Exchange Workshop on Subnational Low Carbon Development Planning in China & U.S., Beijing, China, September 27-29, 2011.
- “Climate Action Planning in the U.S. States: Cost Curve Development and Macroeconomic Impact Analysis,” Research Exchange Meeting between Center for Sustainable Cities and Institute of Industrial Economics, Chinese Academy of Social Sciences, USC, August 18, 2011.
- “Resilience to Port Disruption,” Second International Conference on Integrated Disaster Risk Management, Los Angeles, CA, July 14-16, 2011.
- “The Impacts of the Pennsylvania Climate Action Plan on the State’s Economy,” 57th Annual North American Meetings of The Regional Science Association International, Denver, November 10-13, 2010.
- “Macroeconomic Impact Analysis of State Climate Action Plans,” invited talk at China Executive Leadership Academy Pudong, Shanghai, China, November, 2010.
- “Macroeconomic Impact Analysis of State Climate Action Plans,” invited talk at Chinese Academy of Governance, Beijing, China, November, 2010.
- “Macroeconomic Modeling of State Climate Action Plans in the U.S.,” invited tutor at Technical Training Workshop on Provincial Low-Carbon Development Planning Methodology, Guangzhou, China, November, 2010.
- “Climate Action Planning in the U.S.” and “Macroeconomic Impacts of U.S. State Climate Action Plans,” invited talk at Guangzhou Institute of Energy Conversion, Guangzhou, China, August, 2010.
- “Macroeconomic Impact Analysis of State Climate Action Plans,” U.S.—China Partnership On Sub National Climate Action Planning and Policy Development, New York, NY, July, 2010.
- “Macroeconomic Assessment of the Pennsylvania Climate Action Plan,” Annual Meeting of Association of American Geographers, Washington, DC, April 14-18, 2010.
- “Energy Conservation: an Urgent Sustainable Development Strategy in China,” 102nd Annual Meeting of American Association of Geographers, Chicago, IL, March 7-11, 2006.
- “Energy Issues in China,” 101st Annual Meeting of American Association of Geographers, Denver, CO, April 5-9, 2005.

Honors and Awards

- Outstanding Economic Analysis Award from Regional Economic Models, Inc. (REMI), 2012
- Honorable Mention, RSAI (Regional Science Association International) Dissertation Award, 2007
- University Graduate Fellowship, Penn State University, 2002
- Wilson Research Award of Earth and Mineral Science College, Penn State University, 2002
- Energy and Environment Scholarship, Tsinghua University, 2001
- Guanghua Scholarship, Tsinghua University, 2000
- Outstanding Student Scholarship, Tsinghua University, 1997 and 1999

Teaching Experience

Instructor, University of Southern California

PPD 501a Economics for Policy, Planning and Development, Fall 2014

PPD 501b Economics for Policy, Planning and Development, Fall 2014

Guest Instructor, University of Southern California

PPD 599 Economic Impact Analysis: Methods and Applications, Spring 2014 and Spring 2015

Applied General Equilibrium Analysis, Fall 2011

Teaching Assistant, Penn State University:

Introduction to Physical Geography (GEOG 10), Fall 2003 and Fall 2004

Minerals and Resources and the Global Community (ENNEC 100), Spring 2006

Referee Services

Environment and Planning A, Energy Journal, Climate Policy, China Economic Review, Annuals of Regional Sciences, Journal of Environmental Management, International Regional Science Review, Natural Hazards and Earth System Sciences, Energy Policy, Economic Systems Research

Professional Affiliations

Association of American Geographers

International Association for Energy Economics

Association for Public Policy Analysis & Management