

Yunguang Chen

Resources for the Future
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EDUCATION

Ph.D. Applied Economics, Oregon State University, 2015
M.S. Agricultural Economics, Purdue University, 2010
B.S. Food Science, Purdue University, 2008

Graduate Certificate

2010 Statistics, Purdue University

PROFESSIONAL APPOINTMENTS

2015-Present Post-Doctoral Fellow, Resources for the Future

PUBLICATIONS

Peer Reviewed Journal Articles

forthcoming **Chen, Yunguang**, Hyoungsu Park, Yong Chen, Bruce Weber, Jeff Reimer, Daniel Cox and Patrick Corcoran, “An Integrated Engineering-Economic Model for the Assessment of Regional Vulnerability to Natural Disasters,” *Natural Hazards*

under review **Chen, Yunguang**, Lawrence H. Goulder, and Marc A. C. Hafstead, “Quantifying the Determinants of Future CO2 Emissions,” Special Issue of *Climate Change Economics* for Stanford Energy Modeling Forum (EMF) 32

under review Hafstead, Marc and **Yunguang Chen**, “Using a carbon tax to meet U.S. international climate pledges”, *Climate Change Economics*

Policy Reports

2017 “The Paris Agreement under Trump and the Merits of an Economy-Wide Carbon Tax,” (with Marc Hafstead), Resources for the Future Blog Post

2015 “Congressional District Report of the U.S. Ocean and Coastal Economies”, (with Charles Colgan), National Ocean Economics Program, Middlebury Institute of International Studies

Working Papers

forthcoming “Environmental Policy, Full Employment Models, and Employment: A Critical Analysis,” (with Marc Hafstead and Roberton Williams III), Resources for the Future Discussion Paper

“A Multi-Regional, Stochastic Computable General Equilibrium Model for the Assessment of Disaster Resilience Plans,” (with Yong Chen, Bruce Weber and Jeff Reimer)

“A Re-Examination of Cross-Price Elasticities of Conventional and Organic Fresh Fruits using Disaggregated Retail-Store Data with Consistent Consumption Bundles,” (with Catherine Durham)

CONFERENCE ACTIVITY

2017 “Environmental Policy, Full Employment Models, and Employment: A Critical Analysis,” (with Marc Hafstead and Roberton Williams III), Association of Environmental and Resource Economists Conference, Pittsburgh, PA

2017 “Using a carbon tax to meet U.S. international climate pledges,” (with Marc Hafstead), 109th National Tax Association Annual Conference, Baltimore, MD

2016 “A Sub-County, Multi-Regional Computable General Equilibrium Model for the Assessment of Disaster Resilience Plans,” (with Yong Chen, Bruce Weber and Jeff Reimer), 55th Meeting of the Southern Regional Science Association, Washington, DC

2014 “Using an Economic-Engineering Model to Improve Estimations of both Direct and Indirect Economic Impacts,” (with Patrick Corcoran, Yong Chen, Bruce Weber, Daniel Cox and Dane Wiebe), Columbia-Pacific Economic Development District and NW Oregon Economic Alliance Meeting, Astoria, OR

2014 “Deriving Spatially-Explicit Industry Networks for an Improved Economic Impact Assessment,” (with Yong Chen, Bruce Weber, Daniel Cox, Patrick Corcoran and Hyungsu Park), Pacific Northwest Regional Economic Conference, Portland, OR

2014 “An Integrated Engineering-Economic Vulnerability Assessment Tool--An Assessment of Tsunami Impact on Coastal Communities,” (with Yong Chen, Bruce Weber, Daniel Cox, Patrick Corcoran, Hyungsu Park and Jeffrey Reimer), Agricultural & Applied Economics Association Annual Meeting, Minneapolis, MN

- 2010 “The Impact of the Average Crop Revenue Election on Farmers' Risk Management Decisions,” (with Holly Wang and George Patrick), Agricultural & Applied Economics Association Annual Meeting, Denver, CO
- 2010 “The Impact of the Average Crop Revenue Election on Government Expenditure,” (with Holly Wang and George Patrick), Annual Meetings of SCC-76 Economics and Management of Risk in Agriculture and Natural Resources, Destin, FL

RESEARCH EXPERIENCE

- 2015-Present Post-Doctoral Fellow, Resources for the Future
 Developed a computable general equilibrium (CGE) model with labor market frictions to assess the unemployment impact of environmental taxation.
 Developed a dynamic CGE model with financial market frictions to assess the economic leakage as a result of heterogeneous regional climate policies.
- 2014-2015 Research Associate, National Ocean Economics Program, Middlebury Institute of International Studies
 Evaluated feasibility of tradable development permit system to preserve coastal natural infrastructure against coastal erosions.
 Developed integrated socioeconomic-environment index to measure the U.S. coastal communities' vulnerability and resilience to sea level rise.
- 2010-2014 Research Assistant, Department of Applied Economics, Oregon State University
 Constructed integrated engineering-economic CGE model to assess Oregon's economic vulnerability to Cascadia Subduction Zone tsunami induced flood.
 Built a community sorting model to estimate Oregon rural communities' economic recovery after Northwest Forest Plan.
- 2008-2010 Research Assistant, Department of Agricultural Economics, Purdue University
 Evaluated the risk management cost-effectiveness of Average Crop Revenue Election Program under 2008 Farm Bill.

EXTENSION EXPERIENCE

- 2017-2018 Resources for the Future
 Macroeconomic advisor to New York State Energy Research and Development Authority (NYSERDA), assess impact of Clean Energy Fund programs on investments.
- 2013-2014 Clatsop County Extension, Oregon State University Extension Service
 Assessed Clatsop County's economic vulnerability to Cascadia Subduction Zone tsunami induced flood.
- 2012-2013 Food Innovation Center, Oregon State University Extension Service

Performed demand analysis of organic and conventional fresh fruits at retail level and evaluated effectiveness of marketing strategies.

2009 Center for Commercial Agriculture, Purdue University
Organized farm risk management workshop in Top Farmer Conference

TEACHING EXPERIENCE

University of Maryland, Sole Instructor

Elements of Agricultural and Resource Economics (undergraduate, Fall 2017)

Oregon State University, Teaching Assistant

Computational Economics (graduate, Spring 2014)

Statistics for Econometrics (graduate, Fall 2013)

Rural Economics of Place and People (undergraduate, Spring 2012)

Natural Resource Economics and Policy (undergraduate, Fall 2011)

OTHER ACADEMIC SERVICES

2016-Present Senior Fellow, Center for the Blue Economy, Middlebury Institute of International Studies

OTHER PROFESSIONAL EXPERIENCE

2012-2013 Marketing Analyst, Columbia River Carbonates

REFERENCE

Marc A.C. Hafstead

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