

VIII. Promotion and Tenure Vita

A. EDUCATION AND EMPLOYMENT INFORMATION

2015 –present	Associate Professor, Department of Agricultural and Resource Economics, Oregon State University
2009 – 2015	Assistant Professor, Department of Agricultural and Resource Economics, Oregon State University
2004-2009	Research assistant, Department of Agricultural, Environmental and Development Economics, Ohio State University
2003-2009	Ph.D. in applied economics, Department of Agricultural, Environmental and Development Economics, Ohio State University
2000-2003	M.A. in Economics, Peking University, China
1995-1999	B.A. in English, Beijing Foreign Studies University, China

B. SCHOLARSHIP AND CREATIVE ACTIVITY

1. Publications

Refereed Journal Articles

Chen, Yong, Elena Irwin, Ciriya Jayaprakash, Nicolas Irwin, (2017), Market Thinness, Income Sorting and Leapfrog Development Across the Urban-Rural Gradient. *Regional Science and Urban Economics*, 66: 213-223.

Spiller, Beia, Heather Stephens, and **Yong Chen**, (2017), Understanding the Heterogeneous Effects of Gasoline Taxes across Income and Location, *Resource and Energy Economics*, 50: 74-90.

Mu, Jianhong E. and **Chen, Yong**, (2016), Impacts of large natural disasters on regional income, *Natural Hazards*, 83 (3): 1485-1503. Cited in “[Why Hurricane Matthew Is Unlikely to Cloud the National Economy](#)”, *Wall Street Journal*, Oct. 7, 2016

My contribution: I conceived of the research question together with Mu, Jianhong. I took the lead in drafting the paper.

Yong Chen, David Lewis and Bruce Weber (2016), Conservation Land Amenities and Regional Economies: A Postmatching Difference-In-Differences Analysis of the Northwest Forest Plan. *Journal of Regional Science*, 56 (3): 373-394. Leading article.

Corresponding author.

My contribution: I conceived of the research question together with Bruce and Dave. I was the primary person to conduct the empirical.

Percentage of my contribution: 40%

Wu, Junjie, **Yong Chen** (2015), The Evolution of Municipal Structure. *Journal of Economic Geography* 16 (4):917-940.

My contribution: I collected data and conducted the empirical analysis. I was involved in development of the theoretical model.

Percentage of my contribution: 40%

Adam, Jennifer, J. Stephens, S. Chung, M. Brady, R. Evans, C. Kruger, B. Lamb, M. Liu, C. Stöckle, J. Vaughan, K. Rajagopalan, J. Harrison, C. Tague; A. Kalyanaraman; **Yong Chen**; A. Guenther, Fok-Yan Leung, L. Leung, A. Perleberg, J. Yoder, E. Allen, S. Anderson, B. Chandrasekharan, K. Malek, T. Mullis, C. Miller, T. Nergui, J. Poinatte, J. Reyes, J. Zhu, J. Choate, X. Jiang, R. Nelson, Jin-Ho Yoon, G. Yorgey, K. Johnson, K. Chinnayakanahalli, A. Hamlet, B. Nijssen, V. Walden. BioEarth: Envisioning and Developing a New Regional Earth System Model to Inform Natural and Agricultural Resource Management, *Climatic Change* (2014)

Coauthor.

My contribution: I was involved in the economic section of the paper.

Percentage of my contribution: 5%

Chen, Yong, Irwin, Elena and Ciriya Jayaprakash (2013), Population Dispersion vs. Concentration in a Two-Region Migration Model with Endogenous Natural Amenities. *Journal of Regional Science* 53(2): 256-273.

First author.

My contribution: I conceived of the research question together with Elena and Jayaprakash. I was the primary person to develop the theoretical model, write the code and perform the numerical simulations necessary to analyze the model. In addition I was the primary author for the sections of model description and discussions .

Percentage of my contribution: ~50%

Chen Yong, C. Jayaprakash and E. Irwin (2012), Threshold Management in A Coupled Economic-Ecological System. *Journal of Environmental Economics and Management* 64(3): 442-455.

First author.

My contribution: I conceived of the research question and was the primary person to develop the theoretical model, write the code and perform the numerical simulations necessary to analyze the model. In addition I was the primary author for all sections of the paper.

Percentage of my contribution: 75%

Chen, Yong, Etuk, Lena and Weber, Bruce (2012), Are small communities at risk of population loss. *Annals of Regional Science*. 51(2):343-353.

<http://link.springer.com/article/10.1007/s00168-012-0541-1/fulltext.html>

First author.

My contribution: I conceived of the research question together with Bruce. I was the primary person to collect the data collection, conduct the analysis and draft of the paper.

Percentage of my contribution: 75%

Bruce Weber and **Yong Chen** (2012). Federal Forest Policy and Community Prosperity of the Pacific Northwest. *Choices* 21 (7).

http://www.choicesmagazine.org/magazine/pdf/cmsarticle_208.pdf

Second author.

My contribution: I conceived of the research question together with Bruce. I was the primary person to collect the data, develop the model, write the code and perform the analysis.

Percentage of my contribution: ~50%

Chen, Yong and Weber, Bruce. (2012) "Federal Policy, Rural Community Growth, and Wealth Creation: The Impact of the Federal Forest Policy and Rural Development Spending in the Pacific Northwest", *American Journal of Agricultural Economics*, 94(2): 542-548.

First author.

My contribution: I conceived of the research question together with Bruce. I was the primary person to collect the data, develop the model, write the code and perform the analysis. I was the primary author for all sections of the paper.

Percentage of my contribution: ~60%

Chen, Yong, Irwin, Elena and Ciriya Jayaprakash (2011), Incorporating Spatial Complexity into Economic Models of Land Markets and Land Use Change. *Agricultural and Resource Economics Review* 40(3): 321-340.

First author.

My contribution: I conceived of the research question together with Elena and Jayaprakash. I was the primary person to develop the theoretical model, write the code and perform the numerical simulations necessary to analyze the model. In addition I was the primary author for the sections of model description and discussions. .

Percentage of my contribution: ~60%

Chen, Yong, Elena. Irwin and Ciriya Jayaprakash (2009). Dynamic modeling of environmental amenity-driven migration with ecological feedbacks, *Ecological Economics* 68 (10): 2498-2510.

First author.

My contribution: I was the primary person to develop the theoretical model, write the code and perform the numerical simulations necessary to analyze the model. In addition I was the primary author for the sections of model description and discussions. .

Percentage of my contribution: 40%

Peer-Reviewed Research Publications

Irwin, Elena, Ciriya Jayaprakash and **Yong Chen** (2007), A dynamic model of household location, regional growth and endogenous natural amenities with cross-scale interactions. Resources for the Future and US Environmental Protection Agency, Washington D.C

Third author.

Book Chapters

Chen, Y. and Bruce A. Weber, 2014. Natural Capital and Rural Wealth Creation: A case study of federal forest policy and community vitality in the Pacific Northwest, in J. Pender et al. (ed.) Rural Wealth Creation, Taylor & Francis.

Authorship is equally shared.

Irwin, Elena, Allan Randall and **Yong Chen** (2008), Exploring the prospects for amenity-driven growth in rural areas, in Wu et al. (ed.) Frontiers in Resource and Rural Economics, Resources for the Future, Washington D.C.

Authorship is equally shared.

Extension Publications

Yong Chen and Bruce Weber. “Federal Forest Policy and Community Vitality in the Pacific Northwest: How Did the Northwest Forest Plan Affect Population, Wealth and

Income in Rural Communities?” Rural Studies Program Working Paper Series, July, 2013. Online at: <http://ruralstudies.oregonstate.edu/sites/default/files/pub/pdf/RSP-13-01.pdf>

First author.

Yong Chen and Bruce Weber. “Development of retail analysis for Oregon counties: County Pull Factors” (36 county reports, one for each Oregon county.) Department of Agricultural and Resource Economics and Rural Studies Program, December, 2011. Online at: <http://ruralstudies.oregonstate.edu/retail-trade-analysis>

First author.

Yong Chen and Bruce Weber. “Development of retail analysis for Oregon counties: Sector Pull Factors” (12 sector reports, one for each retail sector) Department of Agricultural and Resource Economics and Rural Studies Program, December, 2011. Online at: <http://ruralstudies.oregonstate.edu/retail-trade-analysis>

First author.

Papers under Review

Chen, Yong, Effect of Anti-Sprawl Policies on Leapfrog Development: A Comparison of Urban Growth Boundary and Development Tax. Revised and resubmitted to *Annals of Regional Science*

Sole author.

Chen, Yong, E. Irwin and C. Jayaprakash, A Spatial Model of Exurban Land Development. Revise and Resubmission to the *Computers, Environment and Urban System*

Corresponding author.

My contribution: I conceived of the research question together with Elena and Jayaprakash. I was the primary person to develop the theoretical model, write the code and perform the numerical simulations necessary to analyze the model. In addition I was the primary author for all sections of the paper.

Percentage of my contribution: 60%

Yong Chen, Yunguang Chen, Bruce Weber, Jeff Reimer, Daniel Cox, Hyongsu Park. “An Integrated Engineering-Economic Vulnerability Assessment Tool for Modeling of Regional Natural Disasters”. Submitted to *Journal of Regional Sciences*.

First author.

My contribution: I conceived the research question with Bruce Weber, Dan Cox and Patrician Corcoran. I am the lead person in the modeling, paper drafting.

Percentage of my contribution: 30%

2. Invited and Peer Selected Presentations (Presenter indicated by bold face)

Invited Seminars

Yong Chen, "A Spatial Model of Exurban Land Development" Invited seminar given at School of Economic Sciences, Washington State University, April 5th, 2013.

Chen, Yong, E. Irwin and C. Jayaprakash. "Threshold Management in a Coupled Economic Ecological System", Heartland Environmental Economics Workshop, Champaign, IL, 2010

Irwin, Elena, C. Jayaprakash and Y. Chen.. "A Dynamic Model of Household Location, Regional Growth and Endogenous Natural Amenities with Cross-Scale Interactions." Selected paper presented at the "Frontiers of Environmental Economics" conference, Resources for the Future and US Environmental Protection Agency, Washington D.C., February 26-27, 2007. Also presented by Elena Irwin at seminars at Purdue University (March 23, 2007); University of Illinois (April 12, 2007); Ohio State (March and May 2007); and ETH Zurich (October 5, 2007).

Presentations at professional meetings

Chen, Yong, Irwin, Elena, C. Jayaprakash and Dan Shaffer. "Market Thinness, Income Sorting and Leapfrog Development Across the Urban Rural Gradient" Presented at North American Meetings of Regional Science Association International, Portland, Oregon. Nov 14, 2015

Chen, Yong, **YG. Chen** (Student), P. Corcoran, D. Cox, B. Weber and D. Wiebe. "An Integrated Engineering-Economic Vulnerability Assessment Tool - An Assessment of Tsunami Impact on Coastal Communities". Presented at AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.

Yong Chen and **Jianghong Mu**, "Economics Impacts of Natural Hazards on Per Capita Income in the United States". Presented at AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.

Yong Chen, David Lewis, and **Bruce Weber**, Conservation Land Amenities and Regional Economies: A Difference-in-Differences Analysis of the Northwest Forest Plan, Presented at 53rd Meeting of the Southern Regional Science Association, San Antonio, TX, March 27-29, 2014.

Yong Chen and Jianhong Mu, Economics Impacts of Natural Hazards on Per Capita Income in the United States, Presented at 53rd Meeting of the Southern Regional Science Association, San Antonio, TX, March 27-29, 2014

- Yong Chen, Bruce Weber Daniel Cox, Yunguang Chen, An Integrated Engineering Economic Vulnerability Assessment Tool –An Assessment of Tsunami Impact on Rural Coastal Communities, Presented at North American Meetings of Regional Science Association International, Atlanta, Georgia, Nov. 13-16,2013.**
- Yong Chen, JunJie Wu. The Evolution of Municipal Structure. Presented at Urban Economics Association Sessions at the North American Meetings of Regional Science Association International, Atlanta, Georgia, Nov. 13-16, 2013.**
- Chen, Yong, Irwin, Elena and C. Jayaprakash, A Model of Exurban Land Development. Presented at Urban Economics Association Sessions at the North American Meetings of Regional Science Association International, Atlanta, Georgia, Nov. 2013**
- Chen, Yong, Irwin, Elena and C. Jayaprakash, A Spatial Model of Exurban Land Development, Presented at AERE session of the American Economic Association annual meeting, Chicago, IL, Jan 8, 2012.**
- Chen, Yong and Weber, Bruce, Federal Forest Policy, Amenity Migration and Rural Community Income: Did the Northwest Forest Plan Raise Incomes in Oregon’s Rural Communities? Presented at North American Meetings of Regional Science Association International, Miami, FL. Nov. 9-12, 2011.**
- Chen, Yong, Irwin, Elena and C. Jayaprakash, A Structural Spatial Simulation Model of Exurban Land Development, Presented at North American Meetings of Regional Science Association International, Miami, FL. Nov. 9-12, 2011.**
- Chen, Yong and Weber, Bruce. "Federal Policy, Rural Community Growth, and Wealth Creation: The Impact of the Federal Forest Policy and Rural Development Spending in the Pacific Northwest", Presented at AAEA Annual Meeting, Pittsburgh, PA, July 24-26, 2011**
- Chen, Yong, **E. Irwin** and C. Jayaprakash, A Dynamic Spatial Model of Exurban Land Development, Presented at AAEA Meeting, Pittsburgh, PA, July 24-26, 2011
- Chen, Yong and Weber, Bruce. What affects rural wealth creation? An empirical analysis of changes in population and wealth in Oregon’s timber-dependent communities. Presented at 50th Annual Meeting of Southern Regional Science Association, New Orleans, LA, March 24-26, 2011**
- Chen, Yong, E. Irwin and C. Jayaprakash. “Exurban Land Development with Short Run Dynamics”, Selected paper presented at the North American Meetings of the Regional Science Association International, Denver, Colorado, November 2010**
- Chen, Yong, E. Irwin and C. Jayaprakash. “A Spatially Explicit Simulation of Land Use Change – Linking Micro Land Conversion Decisions to Regional Landscape Patterns”, Selected paper presented at the North American Meetings of the Regional Science**

Association International, Brooklyn, San Francisco, November 2009. Also presented by E. Irwin at the European Regional Science Annual Meeting, Lodz, Poland, August 2009.

Chen, Yong, E. Irwin and C. Jayaprakash. “Endogenous Natural Amenities and Resilience of Regional Economic Development”, Selected paper presented at the North American Meetings of the Regional Science Association International, Brooklyn, New York, November 2008.

Chen, Yong, C. Jayaprakash and E. Irwin. “Divergent time scales and optimal management in a coupled human-ecological model”, Selected paper presented at AERE session at the American Agricultural Economics Association Annual Meeting, Orlando, FL, July 2008.

Irwin, Elena, C. Jayaprakash and **Y. Chen**, “Amenity-driven migration with human-ecological interactions”, Selected paper presented at the American Agricultural Economics Association Annual Meeting, Portland, Oregon, July 2007

Irwin, Elena, A. Randall and Y. Chen. “Environmental Amenities as a Driver of Regional Growth.” Invited presentation, Workshop on Frontiers in Resource and Rural Economics: Rural-Urban and Nature-Human Interactions, Oregon State University, October 5-7, 2005.

Other activities at professional meetings

Topic leader to Rural/Community Development sessions for AAEA 2013, 2014.

Session Chair: “Rural Development V: Wealth Creation in Rural America”, North American Meetings of Regional Science Association International, Miami, FL. Nov 11, 2011

Discussant: for session “GeoComputation 1: Modeling land-use change” and the session “GeoComputation 4: Spatial dynamics”, North American Meetings of Regional Science Association International, Miami, FL. November, 2011

Discussant: for session “Population Growth and Distribution”, North American Meetings of Regional Science Association International, Denver, Colorado, November 2010

Discussant: for session “Applications of Economic Agent-Based Urban Growth and Land Use Models”, North American Meetings of Regional Science Association International, Brooklyn, San Francisco, November 2009

Discussant: for session “Land Use: Amenities and Disamenities”, American Agricultural Economics Association Annual Meeting, Orlando, FL, July 2008.

3. Grants and Contracts

Past and Current Grants

\$320,920 (OSU budget \$99,927) “Collaborative Research: Spatial Dynamic Modeling of Exurban Land Markets And Land Use Patterns”. Funding Agency: National Science Foundation (NSF), PI: E. Irwin of Ohio State University and **Yong Chen**, Co-PI: C. Jayaprakash of Ohio State University. Period of Performance: 9/15/2011 – 9/14/2013, with one year extension.

\$180,202 “An Integrated Engineering-Economic Vulnerability Assessment Tool to Increase Tsunami Preparedness in Rural Coastal Counties”. Funding Agency: Oregon Sea Grant. PI: **Yong Chen**, Co-PI: Bruce Weber, Daniel Cox and Patrick Corcoran. Period of Performance 02/01/12 -01/31/14, with one year extension.

\$34,620, “Federal Resource Policy, Rural Development Spending and Wealth Creation” Funding agency: Economic Research Service of US Department of Agriculture. PI: Bruce Weber, Co-PI: **Yong Chen**, John Pender and Alex Marre. Period of Performance: 07/01/2010-12/31/2011, with one year extension.

\$3,053,000 (OSU budget \$62,763) “Collaborative Research: Type 2: Understanding Biogeochemical Cycling in the Context of Climate Variability Using a Regional Earth System Modeling Framework”. Funding Agency: USDA National Institute of Food and Agriculture (NIFA). PI: Jennifer Adam of Washington State University, Co-PIs: **Yong Chen** and collaborator of other five institutions. Period of Performance: 04/01/2011-03/31/2016.

\$1,189,492, “Framework for Quantification of Risk and Valuation of Flexibility in the FCRPS”. Funding Agency: Bonneville Power Administration. PI: Arturo Leon (OSU). Co-PIs: Nathan Gibson, Christopher Hoyle, **Yong Chen** and Claudio Fuentes. Period of Performance: 11/01/2015-10/31/2018.

\$179,404, “Resilience of Rural Community to Climate Change and Extreme Events”. Funding Agency: NIFA/USDA. PI: **Yong Chen**. Co-PI: Jiahong Mu. Period of Performance: 03/01/2017-02/28/2019.

C. TEACHING, ADVISING AND OTHER ASSIGNMENTS

1. Instructional Summary

Credit Courses – Oregon State University

Spring 2017

AEC313 (Welfare Economics and Resource Policy), 16 students enrolled

AEC313 (Welfare Economics and Resource Policy), 13 students enrolled

AEC612 (Advanced Microeconomics Theory), 6 students enrolled

Fall 2016 AEC627 (Computational Economics), 6 students enrolled

Spring 2016

AEC612 (Advanced Microeconomics Theory), 6 students enrolled

Winter 2016 AREC 313 Arec313 (Welfare Economics and Resource Policy), xxx students enrolled

Fall 2015 AEC627 (Computational Economics), 2 students enrolled

Spring 2015

AEC612 (Advanced Microeconomics Theory), 2 students enrolled

AEC653 (Spatial Economics of Natural Resources), (co-teach with Junjie Wu and David Lewis), 8 students enrolled

Winter 2015

AREC313 (Welfare Economics and Resource Policy), 15 students enrolled

AREC313 (Welfare Economics and Resource Policy), E-Campus

Spring 2014 AEC627 (Computational Economics), 11 students enrolled

Winter 2014

AEC 615 (Application of Dynamic Optimization in Applied Economics), 11 students enrolled

AREC313 (Welfare Economics and Resource Policy), 9 students enrolled

AREC313 (Welfare Economics and Resource Policy), E-campus

Winter 2013 AREC313 (Welfare Economics and Resource Policy), 8 students enrolled

AREC313 (Welfare Economics and Resource Policy), E-campus

Spring 2012 AEC627 (Computational Economics), 2 students enrolled

AREC454/554 (Rural Development and Policy), 8 students enrolled

Spring 2011 AEC599 (Computational Economics), 6 students enrolled.

AREC454/554 (Rural Development and Policy), Cancelled due to low enrollment

Spring 2010 AREC454/554 (Rural Development and Policy), 8 students enrolled.

Fall 2009 AREC611 (Mathematics for Economics), 6 students enrolled.

Credit Courses – Ohio State University

Spring 2009, AEDE539 China's Economic Reforms and Globalization, 18 students enrolled.

Spring 2008, AEDE539 China's Economic Reforms and Globalization, 14 students enrolled.

Curriculum Development

2016 Change the textbook of AREC 313 and prepare the course materials.

2014 Developed a new course for graduates entitled AEC 615 Application of Dynamic Optimization in Applied Economics

2011 Developed an entirely new course for graduates entitled AEC599/AEC627 Computational Economics

Graduate and Undergraduate Students and Postdoctoral Trainees

Major Professor

- 1) Yunguang Chen, Ph.D., Completion: 2015
- 2) An Li, Ph. D., 2016, (works on a different project since fall of 2016)
- 3) Joan Bartlett

Graduate Committee Member

- 4) Caiwen Wu, Ph.D. Completed: 2012
- 5) Rishi Deka, M.S. Completed 2012.
- 6) Ben Schiek, MS. Expected Completed: 2013
- 7) Amelia O'Connor, MS. Completed: 2013
- 8) Marielle Vena, MS. Completion: 2014.
- 9) Toru Hagimoto, PhD, Completion: 2015
- 10) Hongliang Zhang, Ph.D. Completion 2015
- 11) Elizabeth Morrison, MS, Completion 2015
- 12) Jorge Delgado, MS, Completion 2015
- 13) Thomas S. Palley, MS in Applied Economics, Completion 2016
- 14) Christopher Laurer, Ph.D. Expected Completion: 2016
- 15) Isabel Graciela, Ph.D. Expected Completion 2017
- 16) Andre Luiz Raimundo Faria, Ph.D. (in Forest Engineering, Resources and Management)
- 17) Senal Weerasooriya, Ph.D. Expected Completion 2018
- 18) Jaeho Jung, Ph.D. Expected Completion 2020

Postdoctoral Fellow

1).David Haim

Team or Collaborative Efforts

Sprint 2015, team taught (co-teach with Junjie Wu and David Lewis) AEC653 (Spatial Economics of Natural Resources)

Winter 2014, team taught AEC 611 Advanced Microeconomic Theory I

Spring 2012, Guest speaker for RS512 Introduction to Rural Studies

Spring 2012, Guest speaker for AREC599 Grant Proposal Writing

International Teaching

N/A

5. Other Assignments

Extension

Extension Publication

Bruce Weber and **Yong Chen** (2012). Federal Forest Policy and Community Prosperity of the Pacific Northwest. *Choices* 21 (7).

http://www.choicesmagazine.org/magazine/pdf/cmsarticle_208.pdfSecond author.

Extension Reports

Yong Chen and Bruce Weber. "Development of retail analysis for Oregon counties: County Pull Factors" (36 county reports, one for each Oregon county.) Department of Agricultural and Resource Economics and Rural Studies Program, December, 2011. Online at: <http://ruralstudies.oregonstate.edu/retail-trade-analysis>

Yong Chen and Bruce Weber. "Development of retail analysis for Oregon counties: Sector Pull Factors" (12 sector reports, one for each retail sector) Department of Agricultural and Resource Economics and Rural Studies Program, December, 2011. Online at: <http://ruralstudies.oregonstate.edu/retail-trade-analysis>

Yong Chen and Bruce Weber. "Federal Forest Policy and Community Vitality in the Pacific Northwest: How Did the Northwest Forest Plan Affect Population, Wealth and Income in

Rural Communities?” July 2013. RSP # 13-01. Online at:
<http://ruralstudies.oregonstate.edu/community-vitality>

Extension Presentation (Presenter indicated in bold face)

Chen, Yong, YG. Chen, P. Corcoran, D. Cox, B. Weber and D. Wiebe. “Assessing economic impacts of a tsunami event using an integrated economic-engineering assessment tool” Presentation at the Oregon Sea Grant National Site Review Panel on Natural Hazards. September 23rd, 2014.

Chen, Yong, **YG. Chen** (student), **P. Corcoran**, D. Cox, B. Weber and D. Wiebe. “Assessing economic impacts of a tsunami event: using an economic-engineering model to improve estimations of both direct and indirect economic damage” Presentation to the Board of the Columbia Pacific Economic Development District. Scappoose Fire Hall, Scappoose, OR January 9, 2014.

Chen, Yong, YG. Chen, **P. Corcoran**, D. Cox, P. Hyounghsu, B. Weber and D. Wiebe. “Researching the impact of a tsunami on the Clatsop County economy—an Oregon Sea Grant research project.” Presentation to the Clatsop County Emergency Preparedness (EPREP) Committee. Oregon National Guard Camp Rilea, Warrenton, OR. December 17, 2013

Chen, Yong, YG. Chen, **P. Corcoran**, D. Cox, B. Weber and D. Wiebe. “How bad will a tsunami affect our coastal economy?” Addressed as part of the special emergency preparedness pledge drive radio program on radio station KMUN in Astoria. December 3, 2013. KMUN has a listener base of 10,000 coastal residents.

Chen, Yong, YG. Chen, **P. Corcoran**, D. Cox, B. Weber and D. Wiebe. “The impact of a tsunami on Clatsop County’s economy” Presentation to the Astoria Rotary Club. BPOE Elks Lodge. Astoria, OR. September 21 2013.

Chen, Yong, YG. Chen, **P. Corcoran**, D. Cox, B. Weber and D. Wiebe. “Using economic and engineering modeling to better understand the economic impact of a tsunami” Presented to the Local Work Group of emergency managers and planners from Cannon beach, Seaside, and Gearhart, OR. Part of a NOAA/COCA funded “Coastal Community Resilience Network Pilot” Seaside, OR June 17, 2013.

Chen, Yong, P. Corcoran, D. Cox and B. Weber. “An integrated engineering-economic vulnerability assessment tool to increase Tsunami preparedness in rural coastal counties”. Presentation at Sea Grant All-hands Meeting, Oregon State University, Corvallis, OR. March 9, 2012

Chen, Yong and Weber, Bruce: “Federal Resource Policy, Rural Development spending and wealth creation”. Presentation at National Conference on Rural Wealth Creation and Livelihoods: Conversation for Practitioners, Researchers and Policymakers, Washington DC. .Oct. 3-5, 2011

Extension related analysis tools:

Integrated Engineering-Economic Assessment Tool for Tsunami Preparedness: Developed with Bruce Weber, Daniel Cox, Patrick Corcoran, Yunguang Chen, Dane Wiebe and Park Hyungsu Park, it integrates a state-of-the-art engineering simulation model of NOAA with the computable general equilibrium model in regional economic analysis using GIS information. This is the first and the only simulation tool that has the capacity to assess the potential damage to economic sectors both inside and outside the inundation zone. It has contributed to the overall effort to increase tsunami preparedness and resilience. Because its spatial resolution goes down to the parcel level, it is a useful tool of engaging local people in the discussion of disaster preparedness. It can also help communities better prioritize potential investments to reduce risk exposure and enhance economic resilience. This simulation tool is of great interest to the people exposed to natural hazards. It is covered *Daily Astorian*, a local newspaper and in the *Oregon Labor Trends* (June 2014), a newsletter of Oregon Employment Department.

Spatial Market Analysis: It can spatially identify market competition and customer potential. It describes the social, economic and demographical characteristics of local communities so as to provide information like the purchasing power and lifestyles that are crucial for the economic development for local communities. In addition, it has the capacity to provide information about the nearby competitors so that the local decision makers can be better informed about the potential market competition as they draft their economic development plan.

D. Service

1. Department Services

Member for search committee for the sustainable development faculty position (2015)

Member of Preliminary Exam Planning Committee (2014)

Member for Seminar Committee (2013, 2014, 2015)

Member for Graduate Admission Committee (2012)

Member of Preliminary Exam Committee for Quantitative Methods (2011, 2012, 2013)

Member for search committee for the online advisor position for EEP program (2011)

Member of Preliminary Exam Committee for Microeconomics Theory (2010)

Member of Graduate Committee (2009, 2010, 2011)

2. College Service

N/A

3. University Service

Affiliated faculty for the Master's Degree in Public Policy in the College of Liberal Arts

4. Service to the Profession

Program committee member of AERE (2014, 2015).

Topic leader (2013, 2014) of Rural/Community Development sessions for AAEEA.

Secretary (2015) and Chair (2016) of Multi-State Project NE1049 Community Health and Resilience

Reviewer for *American Journal of Agricultural Economics*, *Journal of Economic Geography*, *Journal of Regional Science*, *Ecological Economics*, *Canadian Journal of Agricultural Economics*, *Journal of Agricultural and Applied Economics*, *Environment and Development Economics*, *Contemporary Economic Policy*, *Ecological Complexity*, *Ecological Complexity*, *Agricultural and Resource Economics Review*, *Environmental and Resource Economics*, *Population Research and Policy Review*

5. Service to the Public (Professionally Related)

Panelist for AFRI Innovation for Rural Entrepreneurs and Communities, 2015.

Panelist for Sea Grant National Site Review Panel on research and engagement in natural hazards, September, 2014.

Ad hoc reviewer for SBIR for AFRI, January, 2013

Panelist for AFRI Rural Development and Entrepreneurship Panel, 2013.

Panelist for AFRI Rural Development and Entrepreneurship Panel, 2011

6. Service to the Public (Non-Professionally Related)

Volunteer for American Youth Soccer Organization, Corvallis, OR (2013, 2014, 2015)

E. AWARDS

1. National and International

2015 Finalist for Miernyk Medal Competition at Southern Region Science Association Meeting.

2007 Selected Paper Prize, coauthor, “Frontiers of Environmental Economics” conference, sponsored by Resources for the Future and US Environmental Protection Agency, Washington D.C., February 26-27, 2007

2005 Fellowship, Chicago-Argonne Institute on Computational Economics

2. State and Regional

3. University and Community

2010 Outstanding Doctoral Dissertation, Department of Agricultural, Environmental and Development Economics, Ohio State University

2008 Outstanding Graduate Teaching Assistant Award, Department of Agricultural, Environmental and Development Economics, Ohio State University

2003 University Fellowship, Ohio State University

2001 IET University Scholarship, Peking University, Beijing, China