

## 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
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. Publications

### Journals

1. **Chen, Y.** (2020). Effects of development tax on leapfrog sprawl in a thinly traded land market. To appear in *Land Use Policy*, 92. DOI: <https://doi.org/10.1016/j.landusepol.2019.104420>
2. Biswas, A., **Chen, Y.**, Gibson, N., Hoyle, C. J. Bi-Level Flexible-Robust Optimization for Energy Allocation Problems. To appear in *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems Part B: Mechanical Engineering*. DOI: <https://doi.org/10.1115/1.4046269>
3. Fouzia, S. Z., Mu, J., **Chen, Y.** Local Labor Market Impacts of Climate-Related Disasters: A Demand and Supply Analysis. To appear in *Spatial Economic Analysis*. DOI: [10.1080/17421772.2019.1701699](https://doi.org/10.1080/17421772.2019.1701699)
4. Chen, Y.G., Park, H., **Chen, Yong**, Corcoran, P., Cox, D., Reimer, J. J., Weber, B. (2018). Integrated Engineering-Economic Model for the Assessment of Regional Economic Vulnerability to Tsunamis. *Natural Hazards Review*, 19(4): 1-14.
5. **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.
6. Spiller, E., Stephens, H., **Chen, Y.** (2017). Understanding the Heterogeneous Effects of Gasoline Taxes across Income and Location. *Resource and Energy Economics*, 50, 74-90. <http://dx.doi.org/10.1016/j.reseneeco.2017.07.002>
7. Atrabi, H., Sharifi, E., Leon, A., **Chen, Y.**, Gibson, N. (2017). Quantification of Short-term Hydropower Generation Flexibility. *Open Water Journal*, 4(2), article 6. <https://scholarsarchive.byu.edu/openwater/vol4/iss2/6>
8. Sharifi, E., Bashiri, H., Leon, A., **Chen, Y.**, Gibson, N. (2017). Valuation of flexibility for optimal reservoir operation. *Open Water Journal*, 4(2), article 5. <https://scholarsarchive.byu.edu/openwater/vol4/iss2/5>
9. 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

10. **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.
11. Wu, Junjie, **Yong Chen** (2015), The Evolution of Municipal Structure. *Journal of Economic Geography* 16 (4):917-940.
12. 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 (2015). BioEarth: Envisioning and Developing a New Regional Earth System Model to Inform Natural and Agricultural Resource Management, *Climatic Change* 129:555-571
13. **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.
14. **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.
15. **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>
16. 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](http://www.choicesmagazine.org/magazine/pdf/cmsarticle_208.pdf)
17. **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.
18. **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.
19. **Chen, Yong**, Elena. Irwin and Ciriya Jayaprakash (2009). Dynamic modeling of environmental amenity-driven migration with ecological feedbacks, *Ecological Economics* 68 (10): 2498-2510.

### **Book Chapter**

1. **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.
2. 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

3. 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.

### C. Grants and Contracts

\$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.