

Ph.D. Candidate  
Corvallis, OR  
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## RECENT POSITIONS

- Research/Teaching Assistant**, Oregon State University. Corvallis, OR. August 2016 –present.  
**Research/Teaching Assistant**, WestFire Research Center, Colorado State University. Fort Collins, CO.  
February 2012-June 2016.

## EDUCATION

- Ph.D. **Applied Economics**, Oregon State University, *in progress*.
  - Environmental and Resource Economics; Forest Economics and Policy Analysis
- M.S. **Forest Sciences**, Colorado State University, August 2016.
- B.A.S. **Agricultural Economics**, Colorado State University, December 2013.
  - Economics; Environmental Studies

## PEER-REVIEWED RESEARCH

- Rossi, D.**, Kuusela, O.-P. 2020. The influence of risk attitudes on suppression spending and on wildland fire program budgeting. *Forest Policy and Economics* 113, 13p.
- Rossi, D.**, Kuusela, O.-P. 2019. Cost plus net value change (C+NVC) revisited: a sequential formulation of the wildfire economics model. *Forest Science* 65(2), 125-136.

## TECHNICAL REPORTS

- Rossi, D.**, J. Zhai, O.-P. Kuusela. 2020. “Economic Value of Oregon Timber Exports”, prepared for the Oregon Department of Forestry.
- Kuusela, O.-P., **D. Rossi**, G. Latta, P. Watson, T. Nadreau. 2019. “Forest Resources and Markets: Trends and Economic Impacts”, prepared for the Oregon Forest Resources Institute.

## CONFERENCE PROCEEDINGS

- Rossi, D.**, A. Byrne. 2016. Spatially weighted hedonic property models for homes vulnerable to wildfire. 5<sup>th</sup> International Fire Behavior and Fuels Conference. International Association of Wildland Fire. Missoula, MT .pp. 156-161.
- Rideout, D., **Rossi, D.**, Kernohan, N., 2015. Economics of ecosystem restoration: using derived demand to promote sustainable ecosystems, in: Miralles I. Garcia, J., Brebbia, C. (Eds.), *Ecosystems and Sustainable Development X*. WIT Press, Southampton, UK, pp. 419–427.

## TEACHING ASSISTANTSHIPS

- AEC 525 **Applied Econometrics**, Oregon St. Univ. (Fall 2018)
  - Teaching Assistant; Lab Instructor
- AEC 466 **Introduction to Applied Econometrics**, Oregon St. Univ. (Winter 2021)
  - Teaching Assistant
- AEC 243 **Global Poverty and Sustainable Development**, Oregon St. Univ (Winter 2020)
  - Teaching Assistant
- AEC --- “**Math Camp**”, Oregon St. Univ. (Fall 2019)
  - Co-instructor
- FOR 431 **Economics and Policy of Forest Wildland Fire**, Oregon St. Univ. (Spring 2020)
  - Teaching Assistant
- FOR 300 **Forest Resource Economics I**, Oregon St. Univ. (Winter 2017, Spring 2018, Spring 2019, Spring 2020).
  - Teaching Assistant; Lab Instructor
- F 322 **Economics of the Forest Environment**”. Colorado St. Univ. (Fall 2015)
  - Teaching Assistant
- NR 568 **Economics of Forest Restoration and Fire Mgmt.**, Colorado St. Univ. (Spring 2015, Spring 2016)
  - Co-instructor (E-campus)

## RESEARCH EXPERINCE

### Honors, awards, and accolades:

- D. Barton DeLoach Graduate Scholarship in Economics (Fall 2019).
- Susanne Szentandrasei Fellowship (Fall 2018).
- Lee Harris Travel Grant (Winter 2018).
- “Best Second Year Paper”- AEC Ph.D. program (Summer 2018).

**Referee service:** *Journal of Environmental Management* (2), *Forestry* (1).

**Programming experience:** Matlab, Stata, R, Python (numpy, scipy, matplotlib).

### Other software experience:

- M.S. Excel, Word, Powerpoint.
- Forest Vegetation Simulator (FVS-ECON, FFE-FVS, FVS-CARBON, FIA2FVS).
- FlamMap, FOFEM.
- ArcMap, QGIS.
- Mendeley reference manager.

### Research presentations:

- 2020, May. “A partial equilibrium analysis of timber export regulation in Oregon.” *Western Forestry Graduate Research Symposium. Corvallis, OR.*
- 2020, March. “Carbon and timber management with harvest taxes and exogenous risk mitigation.” *Applied Economics Working Group Seminar Series. Corvallis, OR.*
- 2019, June. “Economic Analysis of Wildfire Management Organizations.” *Western Forest Economists Meeting. Hood River, OR.*
- 2018, October. “Fire Suppression’s Budget Share with Risk Averse Incident Managers”. *Applied Economics Working Group Seminar Series. Corvallis, OR.*
- 2018, June. “A Sequential Formulation of the Wildfire Economics Model”. *Western Forest Economists Meeting, Olympia, WA.*
- 2018, April. “A Sequential Formulation of the Wildfire Economics Model”. *Western Forestry Graduate Research Symposium. Corvallis, OR.*
- 2016, April. “Spatially weighted hedonic property models for homes vulnerable to wildfire”. *5<sup>th</sup> International Fire Behavior and Fuels Conference. Portland, OR.*

**Research interests:** forest resource economics and finance, environmental and natural resource economics, economics of forest disturbances.

**Methods:** computational economics and finance, microeconometrics, stochastic frontier analysis.