

Olli-Pekka Kuusela

Curriculum Vita, April 2021

Office Address:

Department of Forest Engineering, Resources and Management
College of Forestry, Oregon State University
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Education

Ph.D. Virginia Tech (Forestry and Forest Products) 2013

M.A. Virginia Tech (Economics) 2010

B.S. University of Helsinki (Social Sciences) 2008

Research Interests

Forest Economics, Environmental and Natural Resource Economics, Policy Design,
Sustainable Development.

Academic & Research Positions

- Assistant Professor, Department of Forest Engineering, Resources and Management, College of Forestry, Oregon State University, Sep 2015–present. *Scheduled review for tenure promotion: AY 2021-2022.*
 - Courtesy Faculty, Department of Applied Economics, College of Agricultural Sciences, Oregon State University.
- Principal Research Scientist and Researcher, Natural Resources Institute Finland (Luke), MTT Agrifood Research Finland, METLA Finnish Forest Research Institute, 2013–2015.
- Graduate Research Assistant, Department of Forest Resources and Environmental Conservation, College of Natural Resources and Environment, Virginia Tech, 2008–2013.

- Dissertation Fellow, Inter-American Development Bank, Research Department, Washington DC, 2012.

Editorships

- *Forestry: An International Journal of Forest Research*, Economics Editor, 2019–present.
- *Forest Policy and Economics*, Invited Guest Editor, Faustmann Symposium 2019 Special Issue.

Refereed Publications

14. Bruck, S. and O.-P. Kuusela. "How Health and Market Access Associate with Agroforestry Decisions: Evidence from Tabora, Tanzania." Accepted. To appear in *Agroforestry Systems*.
13. Rossi, D, Zhai, J., and O.-P. Kuusela. "Measuring the Value of Softwood Log Exports: Evidence from Oregon." Accepted. To appear in *Journal of Forestry*.
12. Kuusela, O.-P. and J. Lintunen. 2020. "Modeling Market-Level Effects of Disturbance Risks in Age Structured Forests." *Forest Policy and Economics* 118.
11. Zhai, J. and O.-P. Kuusela. 2020. "Estimating price dynamics in the aftermath of forest disturbances: The Biscuit Fire in southwest Oregon." *Forest Science* 66: 556-567.
10. Rossi, D. and O.-P. Kuusela. 2020. "The influence of risk attitudes on suppression spending and on wildland fire program budgeting." *Forest Policy and Economics* 113.
9. Kuusela, O.-P. and T. Laiho. 2020. "The role of research in common pool problems." *Journal of Environmental Economics and Management* 100.
8. Kuusela, O.-P. and J. Lintunen. 2020. "A cap-and-trade commitment policy with allowance banking." *Environmental and Resource Economics* 75:421–455.
7. Kuusela, O.-P., Bowman, M. S., Amacher, G. S., Howarth, R. B., and N. T. Laporte. 2020. "Does infrastructure and resource access matter for technical efficiency? An empirical analysis of fishing and fuelwood collection in Mozambique." *Environment, Development and Sustainability* 22:1811–1837.

6. Kuusela, O.-P. and J. Lintunen. 2019. "Financial valuation and the optimal rotation of a fully regulated forest." *Canadian Journal of Forest Research* 49(7):819–825.
5. Rossi, D., and O.-P. Kuusela. 2019. "Cost plus net value change (C+NVC) revisited: A sequential formulation of the wildfire economics model." *Forest Science* 65(2):125–136.
4. Lintunen, J., and O.-P. Kuusela. 2018. "Business cycles and emission trading with banking." *European Economic Review* 101:397–417.
3. Kuusela, O.-P., Amacher, G.S., and K. Moeltner. 2017. "Enforcing the rules in timber concessions: Performance bonding in the presence of corruption risk." *Forest Policy and Economics* 85:52–64.
2. Kuusela, O.-P., and G.S. Amacher. 2016. "A review of performance bonding in forest policy settings." *Current Forestry Reports* 2 (3):189–200.
1. Kuusela, O.-P., and G.S. Amacher. 2016. "Changing political regimes and tropical deforestation." *Environmental and Resource Economics* 64 (3):445–463.

Book Chapters

- Kuusela, O.-P. "Performance Bonding for Environmental Protection." To appear in Oxford Encyclopedia of Environmental Economics. Senior Editor: Dr. Jim Kahn.

Other Publications

4. Deegen, P., R.J. Brazee, and O.-P. Kuusela. 2020. The Sixth International Faustmann Symposium: The mathematical way of thinking continues to yield. *Forest Policy and economics* 120.
3. Kuusela, O.-P., D. Rossi, G. Latta, P. Watson, and T. Nadreu. 2019. Forest Resources and Markets: Trends and Economic Impacts. The 2019 Forest Report. Oregon Forest Research Institute (OFRI).
2. Lintunen, J., and O.-P. Kuusela. 2015. Optimal Management of Markets for Bankable Emissions Permits. Nota di Lavoro 48.2015, Milan, Italy: Fondazione Eni Enrico Mattei.

1. Kuusela, O.-P., Amacher, G.S., Tsang K.P. 2013. "Intensity-based permit quotas and the business cycle: does flexibility pay off?" IDB Working Paper Series, No. 450.

Unpublished Manuscripts

- Bruck, S. and O.-P. Kuusela. "Can Agroforestry Interventions Improve Food Security? Evidence from Rural Tanzania." (Status: submitted)
- Rossi, D. and O.-P. Kuusela. "Carbon Sequestration and timber management under mixed taxation and public investment in wildfire suppression." (Status: submitted)
- Kuusela, O.-P. and J. Uusivuori. "On the Economics of Joint Ownership of Forests with Amenity Values: Majority Rule vs. Utilitarian Planner." (Status: not submitted)
- Zhai, J. and O-P Kuusela. "Incidence of domestic subsidies vs. export taxes: An equilibrium displacement model of log and lumber markets in Oregon." (Status: not submitted)
- Rossi, D., O.-P. Kuusela, and C. Dunn. "A microeconomic analysis of fire suppression decisions in the western United States." (Status: not submitted)

Thesis Chapters

- Lintunen, J. and O.-P. Kuusela. 2019. "Business Cycles and Emission Trading with Banking." Aalto University Publication Series. Doctoral Dissertations 9/2019.
- Laiho, T.S., and O.-P. Kuusela. 2017. "Information Acquisition in Common Pool Problems." Aalto University Publication Series. Doctoral Dissertations 133/2017.

On-Campus Courses Developed & Offered

- FOR 330, Forest Resource Economics II, 4 cr, 2018–2020, OSU.
- FOR 330, Forest Resource Economics I, 4 cr, 2016–2017, OSU.
- FOR 431/531, Economics and Policy of Forest Wildland Fire, 3 cr, 2017–2020, OSU.
- FOR 534, Economics of the Forest Resource, 3 cr, 2017–2020, OSU.
- FOR 605, R&C Advanced Readings in Forest and Development Economics, OSU.
- FOR 505, R&C Economics and Policy of Forest Carbon Offsets, OSU.
- ECON 4014, Environmental Economics, 2009, Virginia Tech.

Ecampus Courses Developed & Offered

- FOR 431/531, Economics and Policy of Forest Wildland Fire, 3 cr, 2020, OSU.

Instructor in Workshops and Continuing Education Courses

- Forest Economics Modules I & II in the National Advanced Silviculture Program's Inventory/Monitoring and Decision Support unit (NASP-IMDS), September 2019.
- Forest Economics Modules I & II in the National Advanced Silviculture Program's Inventory/Monitoring and Decision Support unit (NASP-IMDS), September 2018.
- Forest Economics Modules I & II in the National Advanced Silviculture Program's Inventory/Monitoring and Decision Support unit (NASP-IMDS), September 2017.

Guest Lectures

- FOR 456 – International Forestry – Spring 2021. *Boreal Forests*. Instructor: Dr. John Sessions.
- FOR 550 – Sustainable Forest Management – Fall 2020. *Economics of Sustainable Forestry*. Instructor: Dr. Temesgen Hailemariam.
- FOR 456 – International Forestry – Spring 2020. *Boreal Forests*. Instructors: Dr. John Sessions and Dr. Badege Bishaw.
- FOR 550 – Sustainable Forest Management – Fall 2019. *Economics of Sustainable Forestry*. Instructor: Dr. Temesgen Hailemariam.
- FOR 456 – International Forestry – Spring 2019. *Boreal Forests*. Instructors: Dr. John Sessions and Dr. Badege Bishaw.
- FOR 550 – Sustainable Forest Management – Winter 2019. *Economics of Sustainable Forestry*. Instructor: Dr. Temesgen Hailemariam.
- FOR 456 – International Forestry – Spring 2018. *Boreal Forests*. Instructors: Dr. John Sessions and Dr. Badege Bishaw.
- FOR 456 – International Forestry – Spring 2017. *Boreal Forests*. Instructors: Dr. John Sessions and Dr. Badege Bishaw.

Graduate Student Advising

- Sonia Bruck (co-advisee), Ph.D., Forest Ecosystems and Society, defended 09/2020.
- David Rossi, Ph.D. candidate, Applied Economics
- Benjamin Rushakoff, M.S. student, Sustainable Forest Management
- Jun Zhai, Ph.D. candidate, Sustainable Forest Management

Graduate Student Committee Service

- Chantal Tumpach, Ph.D. student, Sustainable Forest Management.
- Gretchen Engbring, Ph.D., Forest Ecosystems and Society, defended 08/2020.
- Duckha Jeon, M.S., Sustainable Forest Management, graduated 06/2020.
- Tu Nguyen, Ph.D., Applied Economics, graduated 06/2020.
- Ji She, Ph.D., Sustainable Forest Management, graduated 06/2019.
- Lu Shi, Ph.D. student, Public Health (Graduate Council Representative)

External Examiner for Ph.D. Theses

- Aino Assmuth, “Economics of carbon storage in heterogeneous forests.” Department of Forest Sciences, Faculty of Agriculture and Forestry, University of Helsinki.
- Jenni Miettinen, “Essays on optimal forest management and water protection.” Department of Economics and Management, Faculty of Agriculture and Forestry, University of Helsinki.

Visiting Scientists Hosted

- Mika Rekola, Associate Professor, University of Helsinki. March 14–21, 2018
- Olli Tahvonen, Professor, University of Helsinki. August 31 – September 3, 2017
- Tuomas Laiho, Ph.D. student, Aalto University. April 1–15, 2016
- Jussi Lintunen, Ph.D. student and researcher, Aalto University and Natural Resources Institute Finland. November 15 – December 15, 2015

Professional Presentations and Conference Proceedings

- Rossi, D. and Kuusela, O.-P., "Carbon Sequestration and timber management under mixed taxation and public investment in wildfire suppression." Applied Economics ERE Working Group, Corvallis, OR. (October 28, 2020).
- Kuusela, O.-P., Economics of Forest Carbon Offsets, FES Coffee, Corvallis, OR, (February 2020).
- Kuusela, O.-P. and Lintunen, J., The 6th International Faustmann Symposium 2019, "Modeling Market-Level Effects of Disturbance Risks in Age-Structured Forests," Darmstadt, Germany. (October 8, 2019).
- Kuusela, O.-P. and Lintunen, J., 24th Annual Conference of the European Association of Environmental and Resource Economists 2019, "Modeling Market-Level Effects of Disturbance Risks in Age-Structured Forests," Manchester, UK. (June 29, 2019).
- Kuusela, O.-P. and Lintunen, J., Applied Economics ERE Working Group, "Modeling Market-Level Effects of Disturbance Risks in Age-Structured Forests," Corvallis, OR. (June 5, 2019).
- Kuusela, O.-P. and Lintunen, J., 2019 Western Forest Economists Meeting, "Modeling Market-Level Effects of Disturbance Risks in Age-Structured Forests," Hood River, OR. (June 3, 2019).
- Bruck, S. and Kuusela, O.-P., 2019 Western Forest Economists Meeting, "Results of the Pre-test Assessing Adoption of Agroforestry in West Tanzania," Hood River, OR. (June 3, 2019).
- Rossi, D. and Kuusela, O.-P., 2019 Western Forest Economists Meeting, "Computational Economic Models of Wildfire Management Organization: An Exploration of Factors Causing Inefficiencies in Resource Allocation," Hood River, OR. (June 3, 2019).
- Zhai, J. and Kuusela, O.-P., 2019 Western Forest Economists Meeting, "Econometric Modeling of Market Effects of Major Forest Disturbances: The Case of Biscuit Fire in Western Oregon," Hood River, OR. (June 3, 2019).
- Rossi, D. and Kuusela, O.-P., Applied Economics ERE Working Group, "A Sequential Formulation of the Wildfire Economics Model," Corvallis, OR. (October 3, 2018).

- Laiho, T. and Kuusela, O.-P., World Congress of Environmental and Resource Economists, "Information Acquisition in Common Pool Problems," Gothenburg, Sweden. (June 28, 2018).
- Kuusela, O.-P. and Lintunen, J., World Congress of Environmental and Resource Economists, "Prices vs. Quantities vs. Commitment with Banking," Gothenburg, Sweden, June 2018.
- Rossi, D. and Kuusela, O.-P., 2018 Western Forest Economists Meeting, "A Sequential Formulation of the Wildfire Economics Model," Olympia, WA. (June 4, 2018).
- Rossi, D. and Kuusela, O.-P., 2018 Western Forestry Graduate Research Symposium, "A Sequential Formulation of the Wildfire Economics Model," Corvallis, OR. (April 13, 2018).
- Kling, D. and Kuusela, O.-P., "Learning from Disturbances: A Model of Adaptive Forest Management," Western Forest Economist Meeting, Ft. Collins, Colorado, June 2017.
- Kling, D. and Kuusela, O.-P., "Learning from Disturbances: A Model of Adaptive Forest Management," Pacific Northwest Regional Economic Conference, Bend, Oregon, May 2017.
- Laiho, T. and Kuusela, O.-P., 2017 CESifo Area Conference on Energy and Climate Economics, "Information Acquisition in Common Pool Problems," Munich, Germany. (October 14, 2017).
- Lintunen, J. and Kuusela, O.-P., HECER ERE Seminar, "Business Cycles and Emission Trading with Banking," Helsinki, Finland. (February 7, 2017).
- Kuusela, O.-P. and Lintunen, J., "Optimal Land Allocation Between Competing Management Plans in Plantation Forestry," The Fifth International Faustmann Symposium, Beijing, China, October 2016.
- Kuusela, O.-P. and Lintunen, J., "Optimal Management of Emission Trading Systems with Banking," Environmental and Resource Economics Working Group Seminar, Oregon State University, June 2016.
- Kuusela, O.-P. "Policies for Forest Land Use and Forest Degradation," Research Seminar, FERM Department, Oregon State University, February 2015.

- Kuusela, O.-P. and Uusivuori, J. "In Search of a Double Dividend: Payments for Environmental Services, Community Forests and Poverty Alleviation," The Biennial Meeting of the Scandinavian Society of Forest Economics, Uppsala, Sweden, May 2014.
- Kuusela, O.-P. "Performance Bonds and the Sustainable Management of Timber Concessions," Friday Debate at MTT Economic Research, Helsinki, Finland, April 2014.
- Kuusela, O.-P., and Amacher G.S. "Performance Bonds in Tropical Timber Concessions," The Fourth International Faustmann Symposium, Lapland, Finland, September 2012.
- Kuusela, O.-P. "Tradable Emission Permits and the Business Cycle: the Role of Energy Price Shocks," Inter-American Development Bank, Research Department Workshop, Washington DC, July 2012.
- Kuusela, O.-P., and Amacher G.S. "Performance Bonds in Tropical Timber Concessions," The Biennial Meeting of the Scandinavian Society of Forest Economics, Hyytiala, Finland, May 2012.
- Kuusela, O.-P., and Amacher G.S. "Performance Bonds in Tropical Timber Concessions," International Society of Tropical Foresters Symposium, North Carolina State University, April 2012.
- Kuusela, O.-P., and Amacher G.S. "Changing Political Regimes and Tropical Deforestation," Southern Forest Economics Workshop Annual Meeting, Charlotte, North Carolina, March 2012.
- Kuusela, O.-P., and Amacher G.S. "Performance Bonds in Tropical Timber Concessions," Camp Resources XVIII, Wrightsville Beach, North Carolina, August 2011.
- Kuusela, O.-P., and Amacher G.S. "Changing Political Regimes and Tropical Deforestation," FREC 3rd Annual Graduate Student Symposium, Virginia Tech, March 2011.

- Kuusela, O-P., and Amacher G.S. “Changing Political Regimes and Tropical Deforestation,” GSA 27th Annual Graduate Student Symposium, Virginia Tech, March 2011.
- Kuusela, O-P., and Amacher G.S. “Stumpage Rate Dynamics in British Columbia,” FREC Departmental Seminar Series, Virginia Tech, November 2010.

External Funding

Title	Role	Agency	Total Budget	Awarded	Kuusela's Share	Date (Duration)
Spatial Analysis of Small Tract Forestland Program and Its Effects on Land Use	PI	Oregon Department of Forestry (ODF)	\$32,334	\$32,334	\$32,334	7/1/2020–6/30/2021 (1 year)
Socio-economic Incentives and Drivers of Carbon Management by Private Forest Owners	PI	USDA Forest Service	\$100,000	\$100,000	\$100,000	07/01/2020–6/30/2023 (3 years)
Assessing the Economic Contributions of Log Export Markets for Oregon's Forest Sector	PI	Oregon Department of Forestry (ODF)	\$29,999	\$29,999	\$29,999	4/1/2019–6/30/2019 (3 months)
Oregon Forest Sector Economic Analysis	PI	Oregon Forest Research Institute (OFRI)	\$28,030	\$28,030	\$28,030	6/1/2018–31/5/2019 (12 months)
TOTAL			\$190,363	\$190,363	\$190,363	

Fellowships and Awards

- Ecampus Professional Development Opportunity Award, 2019.
- Dissertation Fellowship, Inter-American Development Bank, Research Department, Washington DC, 2012.

- 1st place, “Changing Political Regimes and Tropical Deforestation”, GSA 27th Annual Graduate Student Symposium, Virginia Tech, 2011.

Professional Activities and Service

Department

- Area of Concentration Lead, Forest Policy Analysis and Economics, 2016–2021, Oregon State University.
- Member of the Promotion and Tenure Committee, 2017–2019, Oregon State University.

College

- Dunn and Bowerman Student Awards Selection Committee, 2017, Oregon State University.
- Undergraduate Scholarship Review Committee, 2021, Oregon State University.

University

- Laurels Reviewer Committee, 2018–2020, Oregon State University.
- Peer Evaluation of Teaching Committee Member, AEC 550, 2018.

Profession

- Economics Editor, *Forestry: An International Journal of Forest Research*.
- Guest Editor, *Forest Policy and Economics*.
- Session Chair in Environmental Policy, 2018 World Congress of Environmental and Resource Economists, Gothenburg. (June 26, 2018).
- Pre-Proposal Reviewer for the Swiss Programme for Research on Global Issues for Development, 2017.
- Western Forest Graduate Research Symposium, judge at oral sessions, 2017.
- Member of the Program Committee, EAERE 2015.

Public

- Member of Advisory Committee, “Economic Study on the Impact of the 2020 Labor Day Fires on the Oregon Forest Sector,” Oregon Forest Research Institute (OFRI).

Professional Development and Awards

- Course Design Institute, 3-day intensive workshop, Fall 2019, Center for Teaching and Learning, Oregon State University.
- Ecampus Developing an Online Course, 6-week workshop, Fall 2019, Oregon State University.
- Ecampus Professional Development Opportunity Award, \$1500, Fall 2019, Oregon State University.