

### Professional Preparation

Oregon State University	Ph.D., Applied Economics, Forest Resources minor <i>Dissertation: The Effects of Increased Supply and Emerging Technologies in the Forest Products Industry on Rural Communities in the Northwest U.S.</i>	2014
Oregon State University	M.S., Agricultural and Resource Economics <i>Thesis: Employment Growth, Social Capital, and Spatial Determinants of Poverty Change</i>	2004
Oregon State University	B.S., Forest Management <i>Magna Cum Laude</i>	1998
Salish Kootenai College	A.A., Native American Studies	1994

### Appointments & Employment

2020 –	Assistant Professor of Forest Policy, Department of Forest Engineering, Resources, and Management, Oregon State University (OSU) Associated faculty, Applied Economics, Oregon State University
2014 – 2019	Assistant Professor, Forest Management and Economics, University of Maine
2009 – 2014	Graduate research and teaching assistant, Department of Forest Engineering, Resources, and Management, Oregon State University
2007 – 2009	Community Analyst, Cooperative Extension Service: Family and Community Health, OSU
2007	Research Assistant, Justus-Liebig Universität, Gießen Germany
2004 – 2005	Faculty Research Assistant, Ag & Resource Economics (AREC), Oregon State University
2002 – 2004	Graduate research and teaching assistant, AREC, Oregon State University
2000 – 2001	GIS Technician, Alsea Geospatial, Corvallis OR
1999 – 2000	Outreach Advocate, WomanCare/Aegis (Now <i>Partners for Peace</i> ) Domestic Violence Prevention Agency, Dover-Foxcroft ME
1998 – 1999	VISTA: Natural Resources Programs Coordinator, Heart of Maine RC&D, Newport ME

### Publications - Peer Reviewed (\*Graduate advisee)

17. \*Granstrom, M., Kenefic, L. S., Crandall, M. S., Stockwell, S., Giffen, R. A. [In Press]. Managing your woodland: forestry research translated for landowners. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station.
16. Crandall, M.S., K.L. Costanza, J.M. Zukswert, L.S. Kenefic, and J.E. Leahy. 2020. An adaptive and evidence-based approach to building and sustaining gender diversity within a university forestry education program: A case study of SWIFT. *Journal of Forestry* 118(2): 193-204. DOI: 10.1093/jofore/jfz072.
15. \*Bernsen, N.R., M.S. Crandall, and J.E. Leahy. 2020. An assessment of workforce supply and readiness in the Maine forest products industry. *Forest Products Journal* 70(1): 22-27. DOI: 10.13073/FPJ-D-19-00046.
14. Casson, N.J., A.R. Contosta, E.A. Burakowski, J.L. Campbell, **M.S. Crandall**, I.F. Creed, M.C. Eimers, S. Garlick, D.A. Lutz, M.Q. Morison, A.T. Morzillo, and S.J. Nelson. 2019. Winter weather whiplash: impacts of meteorological events misaligned with natural and human systems in seasonally snow-covered regions. *Earth's Future* 7, 1434-1450. DOI:10.1029/2019EF001224
13. Adams, D., G.S. Latta, **M.S. Crandall**, and I.G. Guerrero. 2019. The Importance of Incorporating Intertemporal and Spatial Log Market Dynamics in Projections of Residue-based Biomass Supply for Liquid Biofuel Production in Western Oregon and Washington, USA. *Forest Economics and Policy* 106:101957. DOI:10.1016/j.forpol.2019.101957.
12. Munroe, D.K., **M.S. Crandall**, C. Colocousis, K.P. Bell, and A.T. Morzillo. 2019. Reciprocal relationships between forest management and regional landscape structures: applying concepts from land system science to private forest management. *Journal of Land Use Science* 14(2):155-172. DOI: 10.1080/1747423X.2019.1607914.
11. Costanza, K.K.L., **M.S. Crandall**, R.W. Rice, W.H. Livingston, I.A. Munck, and K. Lombard. 2019. Economic implications of a native tree disease, Caliciopsis canker, on northeastern USA's white pine (*Pinus strobus*) lumber industry. *Canadian Journal of Forest Research* 49(5): 521-530. DOI: 10.1139/cjfr-2018-0380

10. Reimer, J.J. and **M.S. Crandall**. 2018. Awaiting Takeoff: New Aviation Fuels from Farms and Forests. *Choices: the Magazine of Food, Farm, and Resource Issues* 33(1, 1st Quarter 2018): 1-6.
9. Hiesl, P., **M.S. Crandall**, A.R. Weiskittel, and A.R. Kizha. 2017. Assessing Alternative Silvicultural Prescriptions for Mid-Rotation, Unthinned, Spruce-Fir Stands in Maine. *Forests* 8, 370 DOI:10.3390/f8100370.
8. Rogers, N.S., L.S. Kenefic, **M.S. Crandall**, P.E. Sendak, and R.S. Seymour. 2017. Sixty Years of Silviculture in a Northern Conifer Forest in Maine, USA. *Forest Science* 64(1): 102-111. DOI:10.5849/FS-2016-014.
7. **Crandall, M.S.**, \*J.L. Anderson III, and J. Rubin. 2017. Impacts of Recent Mill Closures and Potential Biofuels Development on Maine's Forest Products Industry. *Maine Policy Review* 26(1): 15 -22, <http://digitalcommons.library.umaine.edu/mpr/vol26/iss1/4>.
6. **Crandall, M.S.**, D. Adams, C.A. Montgomery, and D. Smith. 2017. The Potential Rural Development Impacts of Utilizing Non-Merchantable Forest Biomass. *Forest Economics and Policy* 74: 20-29. DOI: 10.1016/j.forpol.2016.11.002.
5. Hiesl, P., **M.S. Crandall**, A. Weiskittel, J.G. Benjamin, and R.G. Wagner. 2017. Evaluating the long-term influence of alternative commercial thinning regimes and harvesting systems on projected net present value of precommercially thinned spruce-fir stands in northern Maine. *Canadian Journal of Forest Research* 47: 203-214. DOI:10.1139/cjfr-2016-0228.
4. **Crandall, M.S.**, J.L. Harrison, and C.A. Montgomery. 2014. Incorporating Rural Community Characteristics into Forest Management Decisions. In: *Integrating social, economic, and ecological values across large landscapes*, Halofsky, J.E., M.K. Creutzburg, and M.A. Hemstrom (Eds). Gen. Tech. Rep. PNW-GTR-896. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
3. Etuk, L.E., M.L. Rahe, **M.S. Crandall**, M. Sektnan, and S. Bowman. 2013. Rural Leadership Development: Pathways to Community Change. *Journal of Community Development* 44(4):411-425. DOI: 10.1080/15575330.2012.761639.
2. **Crandall, M.S.** and B.A. Weber. 2005. Poverty in the West: Changing Fortunes from 1990 – 2000. *Western Economics Forum* 4(1):25-34.
1. **Crandall, M.** and B. Weber. 2004. Local Social and Economic Conditions, Spatial Concentrations of Poverty, and Poverty Dynamics. *American Journal of Agricultural Economics* 86(5):1276-1281. DOI: 10.1111/j.0002-9092.2004.00677.x.

**Grants** (total of \$969,909 funded as PI, \$1,954,005 funded as Co-PI, 2015-2020)

**Active, Awarded as PI**

- \$58,000, Community Vulnerability and Wildfire Ignitions (2020-2023). Sponsor: U.S. Forest Service Joint Venture Agreement 20-JV-11261955-070.
- \$458,275, Youth Aspirations and Labor Market Transitions in Rural Communities (2017-2021). Sponsor: USDA-NIFA, Agriculture and Food Research Initiative grant 2017-67023-26240.
- \$85,284, Sustainable Northern Conifer Forest Management: New Findings and Outreach Tools (2017-2022). Sponsor: U.S. Forest Service Joint Venture Agreement 17-JV-11242307-063.

**Active, Awarded as Co-PI**

- \$499,805, Advancing Rural Prosperity and Equity Through the New Forest Economy (2021-2025). PI: Emily Jane Davis, Oregon State University. Sponsor: USDA-NIFA, AFRI.
- \$43,755, Assessing the efficacy and intent of state-level forestry policies on private lands in the United States, and their fit with landowner needs and objectives (2020-2022). PI: Erin Kelly, Humboldt State University. Sponsor: USDA-McIntire Stennis Program.
- \$439,000, Biodiversity, ecosystem services, and the socioeconomic sustainability of rural forest-based communities (2016-2021). PI: Darla K. Munroe, Ohio State University. Sponsor: USDA-NIFA, Agriculture and Food Research Initiative grant 2016-67019-25177.

### Other Publications - Reports, Book Chapters (\*Graduate, ^Undergraduate advisee)

16. **Crandall, M.S.**, J.E. Leahy, \*N. Bernsen, J. Abrams, A. Ellison, A. Carleton, and ^L. Capodilupo. 2020. *Rural Youth Futures: Fact Sheets by School and County* (series of 14, 4p each).  
[https://digitalcommons.library.umaine.edu/rural\\_youth\\_futures/](https://digitalcommons.library.umaine.edu/rural_youth_futures/)
15. \*Hathaway, I., J.E. Leahy, and **M.S. Crandall**. 2020. *The Economic Contribution of Snowmobiling in Maine*. Report prepared for the Maine Snowmobile Association, 74 p.  
[https://digitalcommons.library.umaine.edu/sfr\\_studentpub/2/](https://digitalcommons.library.umaine.edu/sfr_studentpub/2/)
14. Bailey, M.R., **M.S. Crandall**, A. Raj Kizha, and S. Green. 2020. *The Economic Contribution of Logging and Trucking in Maine*. Report prepared for the Professional Logging Contractors of Maine, 13p.  
[https://digitalcommons.library.umaine.edu/mcspsc\\_ecodev\\_articles/16/](https://digitalcommons.library.umaine.edu/mcspsc_ecodev_articles/16/)
13. Biddle, C., K. Bell, **M. Crandall**, ^D. Gayton, ^I. Thadal, and ^O. VanDerAa. 2019. *Landscapes of Opportunity in Maine: What We Know About Preparing Rural Youth for the New Forest Economy*. White paper, 13 p.
12. \*Lichko, L., **M.S. Crandall**, T. Johnson, and A. Daigneault. 2018. *Valuing the Economic Benefits of Conservation Land in Downeast Maine*. Report prepared for the Downeast Conservation Network, 54p,  
[https://digitalcommons.library.umaine.edu/sfr\\_facpub/2/](https://digitalcommons.library.umaine.edu/sfr_facpub/2/).
11. McGuire, J.B., J.E. Leahy, **M.S. Crandall**, J.A. Marciano, and R.J. Lillieholm. 2017. What's next for Maine's forests? Mill town and statewide community perspectives on the value, management, and future of Maine forests. *Spire: the Maine Journal of Conservation & Sustainability* 1(1): May 2017.
10. \*Anderson III, J.L. and **M.S. Crandall**. 2016. *Economic Contributions of Maine's Forest Products Industry in 2014, with adjustments to 2016*. Report prepared for the Maine Forest Products Council, 11p;  
[https://digitalcommons.library.umaine.edu/sfr\\_facpub/3](https://digitalcommons.library.umaine.edu/sfr_facpub/3).
9. **Crandall, M.S.**, K. McCulloch, S. Bick, and A. Raj Kizha. 2016. *The Economic Impact of Logging in Maine, 2014*. Report prepared for the Professional Logging Contractors of Maine, 9p.
8. Montgomery, C.A. and **M.S. Crandall**. 2014. "The Economics of Old-Growth Forests." Ch. 12 In: Kant, S. and J. Alavalapati (Eds), *Handbook of Forest Economics*. Earthscan Pub, UK.
7. Weber, B. and **M. Crandall**. 2010. "The effects of welfare reform on rural people and places in the United States". Ch. 2 In: Milbourne, P. (Ed), *Welfare Reform in Rural Places: Comparative Perspectives*. Emerald Group Publishing, UK.
6. Etuk, L. and **M. Crandall**. 2010. *Vital Willowa Indicator Project: 2009 Baseline Assessment Report*. Extension Family and Community Health, Oregon State University,  
<https://extension.oregonstate.edu/sites/default/files/documents/10896/wallowa-countyvwipindicatorreport.pdf>.
5. Etuk, L. and **M. Crandall**. 2010. *Tillamook County 2020 Strategic Vision: 2009 Indicator Report, Baseline Assessment*. Extension Family and Community Health, Oregon State University.
4. Etuk, L., **M. Crandall**, J. Salwasser, M. Rempel, K. Walsh, and B. Weber. 2008. The Oregon Rural Communities Explorer (website): [www.oregonexplorer.info/rural](http://www.oregonexplorer.info/rural)
3. **Crandall, M.** and B. Weber. 2005. *Trickling Down: Does Local Job Growth Reduce Poverty?* Rural Poverty Research Center Working Paper 05-01. Rural Policy Research Institute.
2. **Crandall, M.** and B. Weber. 2005. *Defining Rural Oregon: An Exploration*. Rural Studies Program Paper RSP05-03. Oregon State University.
1. Miller, K., **M. Crandall**, and B. Weber. 2003. *Persistent Poverty in America*. Perspectives on Poverty, Policy, and Place: The Newsletter of RUPRI Rural Poverty Research Center 1(1): 6-9.

### Conference Presentations

#### Refereed (\*Graduate, ^Undergraduate advisee; presenter)

43. *Silviculture in the Northern Conifer Forest: How Many Decades are Needed to Evaluate Outcomes?* \*Granstrom, M., L. Kenefic, M. Crandall, N. Rogers, A. Weiskittel, and A. D'Amato. New England Society of American Foresters Annual Meeting, March 2021 (online due to COVID-19).

42. *Building and Retaining Gender Diversity in University Forestry Programs: A Case Study of SWIFT*. Crandall, M.S., K.K. Costanza, \*J.M. Zukswert, L.S. Kenefic, and J.E. Leahy. Society of American Foresters (SAF) National Convention, Oct 2020 (online due to COVID-19).
41. *Ensuring Sustainable Forest Management: Discourses Influencing State-level Policies*. Kelly, E.C. and M.S. Crandall. SAF National Convention, Oct 2020 (online).
40. *Community Influences on Youth Educational Aspirations*. \*Bernsen, N., M.S. Crandall, J.E. Leahy, and C. Biddle. Growing up in Rural America: How Place Shapes Late Life Outcomes Conference, October 2020 (online due to COVID-19).
39. *Community Influences on Youth Educational Aspirations in Rural, Resource-Dependent Places*. \*Bernsen, N., M.S. Crandall, and J.E. Leahy. Abstract accepted for Southern Regional Science Association Annual Meeting, April 2020; conference cancelled due to COVID-19.
38. *How Do States Ensure Sustainable Forest Practices? Balancing the Public Trust with Private Landowner Rights*. Kelly, E.C., M.S. Crandall, and ^Z. Davis. SAF National Convention, Oct-Nov 2019, Louisville KY.
37. *Managing Forests for the Long Term: Lessons From 65 Years of Study in Maine*. \*Granstrom, M., L. Kenefic, M. Crandall, A. Weiskittel, and A. D'Amato. SAF National, Oct-Nov 2019, Louisville KY.
36. *Professional Ethics for Students: Information Cases and Teaching Materials*. Linehan, P., G.J. Vander Wyst, M. Crandall, P.A. Layton, and E. Kelly (panel). SAF National, Oct-Nov 2019, Louisville KY.
35. *Rural forested landscapes, economic change, and rural development*. Bell, K., M. Crandall, D. Munroe, A. Morzillo, and C. Colocousis. North American Regional Science Council, Nov 2019, Pittsburgh PA.
34. *Relationships between post-shock trajectories of change and local characteristics in rural forest-located communities*. Colocousis, C.R., A.T. Morzillo, M.S. Crandall, K.P. Bell, and D.K. Munroe. Rural Sociological Society Annual Meeting, August 2019, Richmond VA.
33. *Economic shocks, trajectories of change, and place-based characteristics in rural forest-located communities*. Colocousis, C.R., A.T. Morzillo, D.K. Munroe, K.P. Bell, and M.S. Crandall. Southern Sociological Society Annual Meeting, April 2019, Atlanta GA.
32. *Planning for uncertainty: The role of educational leadership in community vitality*. Biddle, C., M. Crandall, K. Bell, ^D. Gayton, ^I. Thadel, and ^O. VanDerAa. American Educational Research Association Annual Meeting, April 2019, Toronto Canada.
31. *Schools' Roles in Community and Economic Development*. Biddle, C., M. Crandall, K. Bell, ^D. Gayton, ^I. Thadel, and ^O. VanDerAa. Univ. of Maine Student Symposium, April 2019, Bangor ME.
30. *Landscape characteristics defining sustainability of rural forest-based communities*. Morzillo, A.T., C. Colocousis, K.P. Bell, M. Crandall, and D. Munroe. US Regional Association of the International Association for Landscape Ecology annual meeting, April 2019, Fort Collins CO.
29. *Learning from the past, managing for the future: Lessons from a 65-year study in forest management*. \*Granstrom, M., L. Kenefic, M.S. Crandall, A. D'Amato, A. Weiskittel. New England Society of American Foresters Annual Meeting (flash talk), March 2019, Burlington VT.
28. *How can YOU develop your community and the local economy?* Biddle, C., M. Crandall, K. Bell, ^D. Gayton, ^I. Thadel, and ^O. VanDerAa. Educate Maine (lightning talk), December 2018, Portland ME.
27. *Managing Northern Conifer Forests for Changing Objectives*. \*Granstrom, M., L. Kenefic, M. Crandall, A. D'Amato, and A. Weiskittel. Eastern Canada-USA Forest Science Conference, Oct 2018, Fredericton NB Canada.
26. *Planning for uncertainty: Leveraging schools as sites for community development*. Biddle, C., M. Crandall, K. Bell, ^D. Gayton, ^I. Thadel, and ^O. VanDerAa. National Rural Education Association, Oct 2018, Denver CO.
25. *Where are they now? Rural Forest-Located Communities Following Economic Shocks*. Crandall, M.S., K.P. Bell, D.K. Munroe, A.T. Morzillo, and C.R. Colocousis. SAF National, Oct 2018, Portland OR.
24. *Rural forest-based communities, economic shocks, and economic trajectories*. Bell, K.P., M. Crandall, D.K. Munroe, C. Colocousis, & A. Morzillo. Selected Paper, Agricultural & Applied Economics Association Annual Meeting, August 2018, Washington, D.C.
23. *Community influences on youth aspirations in rural, resource-rich areas*. \*Bernsen, N., M. Crandall, J. Leahy, and J. Abrams. Rural Sociological Society, July 2018, Portland OR.
22. *The Condition of Rural, Forest-Based Communities Following Shocks*. Crandall, M.S., K.P. Bell, D.K. Munroe, A.T. Morzillo, and C.R. Colocousis. Western Forest Economists, June 2018, Olympia WA.

21. *What constitutes forest management? Landscape-level, social-environmental feedbacks that structure forest decision-making.* Munroe, D., K.P. Bell, C. Colocousis, M.S. Crandall, A.T. Morzillo. American Association of Geographers, April 2018, New Orleans LA.
20. *Place-based characteristics defining trajectories of rural forest-based communities.* Morzillo, A.T., M. Crandall, K.P. Bell, D. Munroe, and C. Colocousis. US Regional Association of the International Association for Landscape Ecology, April 2018, Chicago IL.
19. *Linking Labor Supply and Demand in Maine's Forest Industry: An Assessment of Workforce Needs and Readiness in an Industry in Transition.* \*Bernsen, N. and M.S. Crandall. Western Forest Economists, May-June 2017, Fort Collins CO.
18. *Rural Youth Futures: Preliminary Results.* ^Buzzelli, A., N.R. Bernsen, M.S. Crandall, and J.E. Leahy. University of Maine Student Symposium, April 2018, Bangor, ME.
17. *Linking Labor Supply and Demand in Maine's Forest Industry: An Assessment of Workforce Spatial and Cultural (mis)Matches.* \*Bernsen, N.R., M.S. Crandall, and J.E. Leahy. University of Maine Student Symposium, April 2018, Bangor, ME.
16. *Economic Impacts of Wildlife Regulations on Forest Management: The Opportunity Cost of Managing Deer Wintering Areas.* \*Bothwell, K., M.S. Crandall, and A. Roth. New England SAF, Mar 2017, Bangor ME.
15. *Early Stand Tending in Degraded Northern Conifers.* Kenefic, L., N. Rogers, M. Crandall, and R. Seymour. New England SAF, March 2017, Bangor ME.
14. *Connecting Economic, Social, and Ecological Information for Forest-Located Rural Communities.* Crandall, M.S., K. Hall, B. Roy, and K. Winters. A Community of Ecosystem Services Conference, Dec 2016, Jacksonville FL.
13. *Supporting Women in Forestry Today (SWIFT): Small-Scale Discussions with Large-Scale Implications.* Schlager, E., \*K. Bothwell, K. Costanza, M. Crandall, L. Kenefic, J.E. Leahy, and M.-C. Gruselle. SAF National, Nov 2016, Madison WI.
12. *Local Labor Markets and Rural Youth Aspirations in Forest-Dependent Communities.* Crandall, M.S. and J.E. Leahy. Western Forest Economists, May 2016, Seattle WA.
11. *Potential Economic Impact of Biofuels Industry Expansion in Maine.* \*Anderson III, J.L., M.S. Crandall, and J. Rubin. Western Forest Economists, May 2016, Seattle WA.
10. *The Feasibility of Intermediate Processing Centers to Enable Greater Biomass Supply.* Crandall, M., C. Montgomery, and D. Adams. Western Forest Economists, June 2015, Vancouver BC Canada.
9. *Potential Rural Development Impacts of Increased Utilization of Forest Resources.* Crandall, M., C. Montgomery, and D. Adams. Southern Regional Science Association, Mar. 2015, Mobile AL.
8. *Modeling Increased Supply and Emerging Technologies in the Forest Products Industry in the Pacific Northwest.* Crandall, M.S., C.A. Montgomery, and D. Adams. Western Forest Economists, May 2014, Missoula MT.
7. *Regional Log Demand Estimations from Profit Functions.* Crandall, M. and D. Adams. Western Forest Economists, June 2013, Leavenworth WA.
6. *Oregon's Timber Towns: What can forest management do to improve community health?* Crandall, M. and C. Montgomery. Western Forestry Graduate Research Symposium, Apr 2013, Corvallis OR.
5. *Incorporating Rural Community Characteristics into Landscape-Level Forest Management Decisions.* Crandall, M., C. Montgomery, J. Harrison, and E. Donoghue. Western Forest Economists, May 2011, Wemme OR.; US-International Landscape Ecology, April 2011, Portland OR.
4. *Place-based information to guide place-based action: Rural Community Vitality in Oregon, USA.* Etuk, L. and M.S. Crandall. IX Int'l Society for Quality of Life Studies, July 2009, Florence, Italy.
3. *Impacts of Welfare Reform on Rural People and Places.* Crandall, M.S. and B. Weber. Pacific Northwest Regional Economic Conference, May 2009, Vancouver WA.
2. *The Importance of Spillovers and Pockets in Poverty Reduction.* Crandall, M. and B. Weber. Rural Sociological Society Annual Meeting, August 2004, Sacramento CA.
1. *The Impacts of Labor Markets and Neighborhoods on Poverty in High Poverty Rural Census Tracts.* Crandall, M. and B. Weber. American Agricultural Economics Association Annual Meeting, August 2003, Montreal Canada.

**Stakeholder Meetings and Invited Presentations** (\*Graduate advisee, presenter)

17. *Economic Motivations and Outcomes of Landowners' Silvicultural Choices.* Kenefic, L. and M.S. Crandall. Maine-Nova Scotia Forestry Roundtable for the Minister of Lands, November, 2020 (online).

16. *Rural Youth Futures: Research Results*. Crandall, M.S., J.E. Leahy, N. Bernsen, A. Carleton, A. Muller, J. Abrams, and M. Coughlan. Presentations to Southwest Oregon Workforce Investment Board and Piscataquis County Cooperative Extension Board, November, 2020 (online).
15. *Forests, Policies, Communities in Oregon*. Regional Meeting for the International Forestry Students' Association. May, 2020 (online).
14. *Trends and Trajectories in Rural Communities: What we know and what we don't know*. Rural Voices for Conservation Coalition Annual Meeting, January 2020, Silverton Oregon.
13. *Forests are the Answer: Or Are They?* Invited panel participant for DEI talk at *Friday Focus on Forestry*, SAF National Convention, Oct-Nov 2019, Louisville KY.
12. *Neither Boon nor Bane: Certification and Society*. Maine Division-New England SAF Annual Meeting, October 2019, Orono ME.
11. *Maine Economy and Workforce*. Crandall, M. and R. Wallace. Maine Mass Timber Conference, October 2018, Orono ME.
10. *Rural Youth Futures: Preliminary Results*. \*Bernsen, N., M.S. Crandall, and J.E. Leahy. Helping Hands with Hearts Community Meeting, September 2018, Dover-Foxcroft ME.
9. *'There and Back Again': Finding Your Way*. Expanding Your Horizons conference for middle school girls in STEM fields, March 2017, Orono ME.
8. *Economic Impact of the Forest Products Industry in Maine*. \*Anderson III, J. L. and M. S. Crandall. Forest Resources Association, January 2017, Brewer ME.; Maine Division Society of American Foresters, October 2016, Orono ME.; Maine Forest Products Council, Sept. 2016, Orono ME.
7. *Local Labor Markets and Rural Youth Aspirations in Forest-Dependent Communities*. Crandall, M. and J. Leahy. OSU Applied Econ. – Economic Development working group, May 2016, Corvallis OR.
6. *Economic Impact of Logging in Maine, 2014*. Crandall, M.S., K. McCulloch, S. Bick, and A. Raj Kizha. Professional Logging Contractors of Maine Annual Meeting, April 2016, Brewer ME.
5. *Lessons for Maine's Sustainable Forest Industry from the Oregon Experience*. Maine Water and Sustainability Conference, March 2016, Augusta ME.
4. *"The Report of My Death Was an Exaggeration": Lessons for Maine's Forest Industry from the Oregon Experience*. Maine Division, New England SAF, Oct. 2015, Orono ME.
3. *Using Market Models to Assess Community Impacts of Changes in Forest Products Supply and Demand*. School of Economics Seminar Series, University of Maine, April 2015, Orono Maine.
2. *Whistle Punks and Stump Towns: Forests and Logging in Oregon*. New England Regional Council on Forest Engineering, March 2015, Orono ME.
1. *The Effects of Increased Supply and Emerging Technologies in the Forest Products Industry on Rural Communities*. Crandall, M.S., D. Adams, and C. Montgomery. School of Forest Resources Seminar Series, University of Maine, October 2014, Orono ME.

#### **Posters (\*Graduate advisee, presenter)**

- State-level regulations on private forestland: an analysis of relationships between state regulations and state characteristics*. \*Poudel, K., M. Crandall, E. Kelly, and B. Goldstein. Western Forestry Graduate Research Symposium, April, 2021, Corvallis, OR.
- "I like how we all get along": Community Influences on Youth Aspirations in Rural, Resource-dependent Places*. \*Bernsen, N., M.S. Crandall, J.E. Leahy, and J. Abrams. International Symposium on Society and Resource Management Annual Meeting, June 2019, Oshkosh, WI.
- Snowmobiling in Maine: Economic Contributions and the Effect of Maine Guides on the Rental Industry*. \*Hathaway, L., M. Crandall, and J. Leahy. Maine Economics Conference, April 2019, Lewiston ME.
- Opportunity Costs and Biological Benefits of Streamside Management Zones in Forested Landscapes*. \*Miller, E., K. Bell, M. Crandall, and M. Paiker. Maine Water and Sustainability Conference, March 2019, Augusta, ME  
Maine Economics Conference, April 2019, Lewiston ME.
- Linking labor supply and demand in resource dependent rural places: An assessment of workforce spatial and cultural (mis)matches*. \*Bernsen, N., M. Crandall, and J. Leahy. Rural Poverty Research Conference, March 2018, Washington, D.C.

*Using Landsat to Define Deer Wintering Areas in Maine.* \*Bothwell, K., E. Simons-Legaard, M. S. Crandall, and A. Roth. Cooperative Fish and Wildlife Research Unit Annual Coordinating Committee Meeting, March 2017, Orono ME.

*Supporting Women in Forestry Today (SWIFT): Small-Scale Discussions with Large-Scale Implications.* Schlager, E., \*K. Bothwell, K. Costanza, M. Crandall, L. Kenefic, J. E. Leahy, and M.-C. Gruselle. New England SAF, March 2017, Bangor ME.

*Potential Economic Impact of Biofuels Industry Expansion in Maine.* \*James L. Anderson, Mindy S. Crandall, and Jonathan Rubin. Maine Economics Conference, April 2016, Lewiston ME.

*An Economic Evaluation of Alternative Silvicultural Systems for Managing Deer Wintering Areas in Northern Maine.* \*Bothwell, K., M. S. Crandall, and A. Roth. New England SAF, March 2016, Sturbridge MA. Maine Cooperative Fish and Wildlife Research Unit Annual Meeting, March 2016, Orono ME. Maine Economics Conference, April 2016, Lewiston ME.

## Teaching

### At Oregon State University:

FOR 460, Forest Policy (Writing Intensive), every Winter, 2020 - . 4 cr.  
FOR 461, Forest Policy Analysis, every Spring, 2021 - . 3 cr.  
FOR 561, Forest Policy and Analysis, alternate Springs, 2022 - . 3 cr.  
MNR 511 (Co-taught), Introduction to Sustainable Natural Resources, Fall & Spring, 2020 - . 3 credits.  
FOR 331, Forest Resource Economics II, Winter 2013. 3 cr.

### At the University of Maine:

SFR 444/544, Forest Economics, 2016, 2018. 3 credits.  
SFR 477/577, Forest Landscape Management & Planning, every Fall 2014 – 2019. 3 cr.  
SFR 478, Tools for Forest Management, every Fall 2015 – 2019. 1 cr.  
SFR 504, Rural Communities: Theory and Practice, with Dr. Jessica Leahy, fall 2015, 2017, 2019. 4 cr.  
SFR 492, Senior Capstone in Forestry, fall 2015, 2017, 2018, 2019; spring 2018. 3 cr.  
SFR 611, Problems in Forest Economics: Deer Wintering Areas (2015); Market Models (2016); Ecosystem Services (with Adam Daigneault, 2017). 2 cr.

## Graduate Advising

### Current as primary advisor

- Kamana Poudel, Ph.D. student
- Gavriella Mallory, M.S. student
- Caitlyn Reilley, M.S. student
- Ian Goodwin, M.S. student
- Yamile Sanchez Chavez, MNR Student

### Current as committee member

- Zach Davis, M.S., University of Maine. Advisor: Jessica Leahy.
- Brita Goldstein, M.S., Humboldt State University. Advisor: Erin Kelly.
- Kate Rawson, MNR, Oregon State University. Advisor: Erika Wolters.
- Brianda Pape, MNR, Oregon State University. Advisor: Eric Jones.
- Chelsea Pennick, Ph.D., University of Idaho. Advisor: Dennis Becker.
- Chantal Tumpach, Ph.D., Oregon State University. Advisor: Tammy Cushing.
- Gabrielle Sherman, Ph.D., University of Maine. Advisor: Adam Daigneault.

### Graduates

- Nicole Bernsen, Ph.D., May 2020. *Rural Youth Aspirations and Workforce Connections.* <https://digitalcommons.library.umaine.edu/etd/3246/>
- Ian Hathaway, M.S., May 2020. *Snowmobiling in Maine: Economic Contributions and Registered Maine Guides.* Co-advised with Dr. Jessica Leahy. <https://digitalcommons.library.umaine.edu/etd/3215/>

- James Anderson, Ph.D., May 2020. *A Spatial Economic Model of Maine's Forest Product Industry: Interactions between Supply, Demand, and Policy*. <https://digitalcommons.library.umaine.edu/etd/3252/>
- Maren Granstrom, M.S., December 2019. *Northern Conifer Forest Management: Silvicultural, Economic, and Ecological Outcomes from 65 Years of Study*. Co-advised with Dr. Laura Kenefic. <https://digitalcommons.library.umaine.edu/etd/3125/>
- Lesley Lichko, M.S., May 2019. *The value of conservation lands in Downeast Maine*. <https://digitalcommons.library.umaine.edu/etd/3039/>
- Karin Bothwell, M.S., July 2017. *Economic and Spatial Impacts of a Wildlife Habitat Policy on Forest Management*. <https://digitalcommons.library.umaine.edu/etd/2767/>
- Kyle Arvisais, M.F., May 2016. *Harvest Schedule for Demeritt Forest*.

#### **Graduates as committee member**

- Jianheng Zhao, Ph.D., 2020. Advisor: Adam Daigneault, UMaine.
- Mary Ignatiadis, M.S., 2020. Advisor: Adam Daigneault, UMaine.
- Camille Swezy, M.F., 2020. Advisor: John Bailey, OSU.
- Tish Carr, Ph.D., 2020. Advisor: Darren Ranco, UMaine.
- Kathy Harris-Smedberg, Ph.D., 2019. Advisor: Catherine Biddle, UMaine.
- Alexander Audet, M.F., 2019. Advisor: Jessica Leahy, UMaine.
- Jim Alt, M.F., 2019. Advisor: Jessica Leahy, UMaine.
- Jack Chappen, M.F., 2019. Advisor: Jessica Leahy, UMaine.
- Alex Ashby, M.F., 2019. Advisor: Jessica Leahy, UMaine.
- Ben Stevens, M.F., 2018. Advisor: Jessica Leahy, UMaine.
- Cen Chen, Ph.D., 2018. Advisor: Aaron Weiskittel, UMaine.
- Kara Costanza, Ph.D., 2017. Advisors: Shawn Fraver & Bill Livingston, UMaine.
- Todd Douglass, M.F., 2017. Advisor: Jessica Leahy, UMaine.
- Niela Cole, M.F., 2016. Advisor: Bob Seymour, UMaine.
- Patrick Hiesl, Ph.D., 2015. Advisor: Jeff Benjamin, UMaine.
- Elizabeth Farrell, M.F., 2015. Advisor: Bob Seymour, UMaine.

#### **Service to the Profession, University, and Department**

COVID-19 Impacts Working Group - committee member, Oregon State University, 2021  
 Leadership Academy - faculty mentor, Oregon State University, 2020-2021  
 DEI Recruitment and Retention Task Force - committee member, Oregon State, 2020-2021  
 Grant Reviewer, USDA NIFA, 2018, 2019  
 Maine Forest Legacy Program - community representative, 2018 – 2019  
 Maine Forest Collaborative - steering committee member, 2016 – 2019  
 University of Maine:

Interim M.F. Coordinator, 2019-2020  
 SWIFT: Supporting Women in Forestry Today, Co-founder and planning team, 2015 – 2019  
 Supporting Multicultural Students in Forestry, Committee member, 2015 – 2019  
 SAF Student Chapter, Faculty advisor, 2016 – 2019  
 First year student mentoring program faculty mentor, 2016-2018  
 Research Council, College of NSFA representative, 2016 – 2019  
 Faculty Fellows Program, 2015 – 2017  
 Department search committee member 2017, 2016, 2015

Reviewer: Rural Sociology, Forest Policy and Economics, J. of Rural Studies, Canadian J. of Agricultural Economics, Forests, Agricultural and Resource Economics, J. of Rural and Community Development, Humboldt J. of Social Relations, Sustainability, Journal of Forestry, East African Agricultural and Forestry Journal, Forest Ecosystems, Forest Science, Ecosystem Services

Member: Society of American Foresters (SAF)  
 Western Forest Economists  
 Gamma Sigma Delta, the Honor Society of Agriculture



Xi Sigma Pi National Forestry Honor Society  
Phi Kappa Phi Honor Society

**Awards**

Xi Sigma Pi “Julie Kliewer” Excellence in Mentoring Award, 2021. Oregon State University.  
DeLoach Distinguished Graduate Fellowship in Economics, 2011 – 2012, 2003 – 2004. Oregon State University.  
Vice Provost’s Award for Excellence in Innovation – Partnerships, for the Vital Tillamook Indicator Project, 2010.  
Oregon State University Division of Outreach & Engagement. *Lena Etuk, Mindy Crandall, and Rob Emmanuel.*

**Recent Media**

- “Why does it matter if a forester is a woman?” Blog post for Women’s Forest Congress. August 2021.
- Research results - RYF Project. Article in the World, Coos Bay newspaper. December 2020.
- Rural students and college - interviewed for story in the Hechinger Report. December 2020.
- Oregon's timber industry - interviewed for story on KUOW, Washington NPR station. Oct 2020.
- Logging in Oregon - interviewed for story in The Other Oregon Magazine. September 2020.
- Research results - Rural Youth Futures project - interviewed for WABI-TV. September 2020.
- Oregon’s Timber Industry - interviewed for PBS News Hour Weekend. August 2020.
- Impact of COVID on university education - interviewed for story on Bloomberg. July 2020.
- Oregon's timber industry - interviewed for story on KLCC. February 2020.

**Selected professional development, other engagement**

Faculty Success Program: workshop, National Center for Faculty Development and Diversity. 2020.  
WIC Faculty Seminar, Oregon State University. 2020.  
Pace and Scale of Forest Restoration on National Forest Lands in the West: workshop, PERC, 2020.  
Finding Your Next Step: Learning for Diversity, Equity and Inclusion workshop, Oregon State University College of Forestry. 2020.  
Difficult Dialogues: workshop, Center for Innovation in Teaching and Learning, UMaine. Fall 2018.  
Forests Values and Management: workshop. WaYS (Wabanaki Youth in Science) program, Penobscot Experimental Forest, Bradley ME. 2015.  
Breaking the Bias Habit: workshop, ADVANCE Rising Tide Center. University of Maine. 2014.  
Advanced GAMS training, GAMS Corporation. Frisco, CO. August 6 – 8, 2014.  
Beginning GAMS training, GAMS Corporation. Frisco, CO. August 4 – 6, 2014.  
Coalition of Graduate Employees, AFT Local 6069. Executive Committee member: President 2013-2014, 2011-2012; Secretary-Treasurer 2010-2011; Vice-President for Communications 2002-2003.