

Mindy S. Crandall, Assistant Professor of Forest Policy
 Department of Forest Engineering, Resources, and Management
 College of Forestry
 Oregon State University
mindy.crandall@oregonstate.edu
<https://mindycrandall.wordpress.com/>
<https://directory.forestry.oregonstate.edu/people/crandall-mindy>
[Google Scholar page](#)

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Education & Employment

Education

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

Employment

2020 –	Assistant Professor, Forest Policy, Department of Forest Engineering, Resources, and Management, Oregon State University (OSU) Graduate faculty, Applied Economics, Oregon State University
2014 – 2019	Assistant Professor, Forest Management and Economics, University of Maine Affiliate faculty, School of Economics, University of Maine Affiliate faculty, Margaret Chase Smith Policy Center, 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

Refereed

20. Kelly, E.C. and M.S. Crandall. 2022. State-level forestry policies across the US: Discourses reflecting the tension between private property rights and public trust resources. *Forest Policy and Economics* 141: 102757, <https://doi.org/10.1016/j.forpol.2022.102757>
19. *Granstrom, M., M.S. Crandall, L.S. Kenefic, A.R. Weiskittel. 2022. Tree quality and value: results in northern conifer stands after 65 years of silviculture and harvest. *Canadian Journal of Forest Research*. 52: 794-807, <https://doi.org/10.1139/cjfr-2021-0279>
18. *Bernsen, N.R., M.S. Crandall, J.E. Leahy, and C. Biddle. 2022. How far to go? Community influences on youth educational aspirations in rural, resource-dependent places. *RSF: The Russell Sage Foundation Journal of the Social Sciences*. 8(3): 189–207, <https://doi.org/10.7758/RSF.2022.8.3.08>
17. *Bernsen, N.R., M.S. Crandall, J.E. Leahy, J. Abrams, and C. Colocousis. 2022. Do rural youth want to stay rural? Influences on residential aspirations of youth in forest-located communities. *Community Development*, <https://doi.org/10.1080/15575330.2021.1998170>
16. *Bothwell, K.N., M.S. Crandall, A.M. Roth. 2021. Silviculture for deer and timber: A multiple-use policy analysis reveals important implementation barriers. *Forests* 12(11): 1436, <https://doi.org/10.3390/f12111436>
15. 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, <https://doi.org/10.1093/jofore/fvz072>
14. *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, <https://doi.org/10.13073/FPJ-D-19-00046>
13. 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, <https://doi.org/10.1029/2019EF001224>
12. 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, <https://doi.org/10.1016/j.forpol.2019.101957>
11. 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, <https://doi.org/10.1080/1747423X.2019.1607914>
10. 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, <https://doi.org/10.1139/cjfr-2018-0380>

9. 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, <https://www.jstor.org/stable/26487434>
8. Rogers, N.S., L.S. Kenefic, M.S. Crandall, P.E. Sendak, and R.S. Seymour. 2018. Sixty Years of Silviculture in a Northern Conifer Forest in Maine, USA. *Forest Science* 64(1): 102-111, <https://doi.org/10.1093/forsci/fxx021>
7. 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 (10), 370, <https://doi.org/10.3390/f8100370>
6. 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>
5. 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, <https://doi.org/10.1016/j.forpol.2016.11.002>
4. 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(2): 203-214, <https://doi.org/10.1139/cjfr-2016-0228>
3. Etuk, L.E., M.L. Rahe, M.S. Crandall, M. Sektnan, and S. Bowman. 2013. Rural Leadership Development: Pathways to Community Change. *Community Development* 44(4): 411-425, <https://doi.org/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* [Proceedings Issue] 86(5):1276-1281. <https://www.jstor.org/stable/3697941>

Peer-reviewed

4. *Granstrom, M., L.S. Kenefic, M.S. Crandall, S. Stockwell, and R.A. Giffen. *In press*. Managing your woodland: forestry research translated for landowners. Gen. Tech. Rep. GTR-XXX-XXXX. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station.
3. 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.
2. 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.
1. Weber, B. and M. Crandall. 2010. "The effects of welfare reform on rural people and places in the United States". Ch. 2 In: Millbourne, P. (Ed), *Welfare Reform in Rural Places: Comparative Perspectives*. Emerald Group Publishing, UK.

Other reports & outputs

22. *Reilley, C. and M. S. Crandall. 2022. *Social Vulnerability Index for the State of Oregon [data set]*. Oregon State University, Corvallis, Oregon. <https://doi.org/10.7267/z890s265n>
21. Crandall, M.S. and J. E. Leahy. 2021. *Building a Cohort of Women in Forestry Programs*. Invited article for *Western Forester*, July/August/September 2021. <https://forestry.org/western-forester-july-aug-sept-2021/>
20. Crandall, M.S. and K. Anderson. 2021. *Oregon's aquatic critters need help from Legislature*. Op-Ed, Statesman Journal (Salem Oregon), March 4 2021. Op-Ed. <https://www.statesmanjournal.com/story/opinion/2022/03/04/aquatic-critters-help-legislature-private-forest-accord-bills-oregon/64253985007/>
19. Fisher, E., Crandall, M.S., and C. Dunn. 2021. *As Oregon's wildfire season fades, new approaches to managing risk need to take hold*. Op-Ed, The Capital Chronicle (Salem Oregon), October 6 2021. Op-Ed. <https://oregoncapitalchronicle.com/2021/10/06/as-oregons-wildfire-season-fades-new-approaches-to-managing-risk-need-to-take-hold/>
18. Crandall, M.S. 2021. *Why does it matter if a forester is a woman?* Invited blog post for Women's Forest Congress, August 2021. <https://womensforestcongress.org/why-does-it-matter-if-a-forester-is-a-woman/>
17. 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/
<http://ewp.uoregon.edu/RuralYouth>
16. *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/
15. 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/mcspc_ecodev_articles/16/
14. *Granstrom, M., Sells, S., Kenefic, L.K., Crandall, M.S. (producers). 2020. *Forestry for the Future: Sustainable Management Lessons from Maine*. Video, 27 minutes. Available on the University of Maine YouTube channel: <https://youtu.be/eykwZkKrYKg>
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/.
11. McGuire, J.B., J.E. Leahy, M.S. Crandall, J.A. Marciano, and R.J. Lilieholm. 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. Crandall, M.S. 2016. *What the rest of us gain by investing in Maine's forest economy*. Op-Ed, Bangor Daily News (Bangor Maine), August 2 2016. Op-Ed.

<https://bangordailynews.com/2016/08/01/opinion/what-the-rest-of-us-gain-by-investing-in-maines-forest-economy/>

9. *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
8. 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.
7. Etuk, L. and M. Crandall. 2010. *Vital Wallowa Indicator Project: 2009 Baseline Assessment Report*. Extension Family and Community Health, Oregon State University, 63p. <https://extension.oregonstate.edu/sites/default/files/documents/10896/wallowa-countyvwpindicatorreport.pdf>.
6. Etuk, L. and M. Crandall. 2010. *Tillamook County 2020 Strategic Vision: 2009 Indicator Report, Baseline Assessment*. Extension Family and Community Health, Oregon State University.
5. Etuk, L., M. Crandall, J. Salwasser, M. Rempel, K. Walsh, and B. Weber. 2008. The Oregon Rural Communities Explorer (website, initial development): www.oregonexplorer.info/rural
4. Crandall, M.S. and B.A. Weber. 2005. *Trickling Down: Does Local Job Growth Reduce Poverty?* Working Paper 18915, Oregon State University, Rural Poverty Research Center. <https://ageconsearch.umn.edu/record/18915/files/wp050001.pdf>
3. Crandall, M. and B. Weber. 2005. *Defining Rural Oregon: An Exploration*. Rural Studies Program Paper RSP05-03, Oregon State University, 21p.
2. 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.
1. Miller, K.K., M.S. Crandall, and B.A. Weber. 2002. *Persistent Poverty and Place: How do persistent poverty and poverty demographics vary across the rural-urban continuum*. Conference paper, Measuring Rural Diversity, November 2003, 41p.

Grants and agreements

Summary

	# Attempts (as PI)	# Funded (as PI)	Funding Rate (as PI)	Total funded	Crandall's Share
Competitive, total	36 (11)	21 (9)	58% (82%)	\$ 2,657,803	\$ 661,298
Competitive, external	23 (6)	9 (4)	39% (67%)	\$ 1,825,480	\$ 489,303
Competitive, internal	13 (5)	12 (5)	92% (100%)	\$ 832,323	\$ 171,995
Non-competitive	8 (8)	8 (8)	100% (100%)	\$ 384,224	\$ 384,224
Declined LOI	2 (1)	0 (0)	0% (0%)	\$ -	\$ -
Total	45 (19)	28 (16)	62% (84%)	\$ 3,042,027	\$ 1,137,909

Summary of all grants and contracts since 2015. Table current as of 08/2022.

Awarded/active since 2020

\$30,000, Understanding Linkages between Forest Management Infrastructure, Rural Communities, and Wildfire Risk Reduction in the Northwest Forest Plan Area. 2022-2024. M. Crandall, PI. Sponsor: U.S. Forest Service Joint Venture Agreement 11261975-083.

\$499,805, Advancing Rural Prosperity and Equity Through the New Forest Economy. 2021-2025. EJ Davis, OSU, PI. Sponsor: USDA-NIFA, AFRI grant 2021-68006-34030.

\$58,000, Community Vulnerability and Wildfire Ignitions. 2020-2023. M Crandall, PI. Sponsor: U.S. Forest Service Joint Venture Agreement 11261955-070.

\$458,275, Youth Aspirations and Labor Market Transitions in Rural Communities. 2017-2021. M. Crandall, PI. Sponsor: USDA-NIFA, AFRI grant 2017-67023-26240.

\$439,000, Biodiversity, ecosystem services, and the socioeconomic sustainability of rural forest-based communities. 2016-2021. D. Munroe, Ohio State, PI. Sponsor: USDA-NIFA, AFRI grant 2016-67019-25177.

\$49,000, Socio-economic Incentives and Drivers of Carbon Management by Private Forest Owners. 2021-2023. Awarded 2021 at \$100,000 to O. Kuusela; transferred PI to Crandall in 2021. Sponsor: U.S. Forest Service Joint Venture Agreement 11261955-064.

\$16,289, Update to the Forest Landowner's Guide to the Federal Income Tax. 2021-2023. Awarded 2021 at \$32,000 to T. Cushing; transferred PI to Crandall in 2021. Sponsor: U.S. Forest Service Joint Venture Agreement 11330180-038.

\$85,284, Sustainable Northern Conifer Forest Management: New Findings and Outreach Tools. 2017-2022. M. Crandall, PI. Sponsor: U.S. Forest Service Joint Venture Agreement 11242307-063.

\$6,000, Keeping forests working: Understanding the context of, barriers to, and impacts of active forest management in the fire-adapted West. 2021-2024. M. Crandall, PI. Sponsor: USDA NIFA, McIntire Stennis Project 1027819 (non-competitive).

Summary of grants and agreements over \$5k, awarded and completed prior to 2020

As PI (awards over \$5k only; *Internal competition)				
Amount	Title	Funder	Duration	Outputs
\$68,940	The Economic Contributions of Snowmobiling in Maine	Maine Snowmobile Association	2018-2020	Report 16
\$15,505	Keeping Maine's Forests Working: Translating Research for Foresters and Landowners	Maine Outdoor Heritage Fund	2018-2019	Report 14
\$95,478*	Market Analysis of the Forest Products Industry in Maine: Economic Impacts and Policy Effects	USDA ARS Agrment No. 58-0202-4-003	2015-2019	Pub 7, Report 10
\$40,000*	Linking Labor Supply and Demand in Maine's Forest Industry	USDA ARS Agrment No. 58-0202-4-003	2016-2019	Pub 15
\$27,822*	The Value of Conservation Lands in Down East Maine (Graduate Assistantship)	UMS Research Reinvestment Fund	2017-2018	Report 12
\$5,835*	Rural Youth Workforce Readiness & Community Connections (Undergraduate Assistantship)	UMS Research Reinvestment Fund	2017-2018	n/a
\$90,750*	Stand- to Landscape-level Tools for Improved Deer Wintering Area Management	Coop Forestry Research Unit	2016-2018	Pub 17
\$17,160*	Economic Impacts of Wildlife Regulations on Forest Management and Industry	Coop Forestry Research Unit	2015-2016	n/a
As Co-PI (awards over \$5k only; *Internal competition)				
Amount	Title	Funder	Duration	PI
\$399,999*	Technical and economic feasibility and pilot-scale production of composite panels	USDA ARS Agrment No. 58-0204-6-003	2018-2020	Medhi Tajvidi
N/A	Winter Weather Whiplash: Developing Indices of Extreme Winter Weather Variability and Socio-Ecological Responses	SESYNC Pursuit	2017-2019	N. Casson & Alix Contosta
\$299,985	Wabanaki Youth in Science (WaYS) Program to Bridge Inclusion in Post-Secondary Education Through the Sciences (Traditional Ecological Knowledge and Western Science)	NSF INCLUDES grant 1744506	2017-2020	Darren Ranco
\$25,598*	Planning for uncertainty: The role of schools and community institutions in preparing the next generation	UMS RRF Interdisciplinary UG Research	2018-2019	Catharine Biddle
\$24,930*	Assessing riparian management as a tool for balancing Maine's forest economies and freshwater resources	UMS RRF Interdisciplinary UG Research	2018-2019	Hamish Grieg
\$97,647*	Application of low cost bio-filled thermoplastics to 3D printed marine tooling	UMS RRF Seed Grant	2017-2018	Douglas Gardner
\$37,014*	An Integrated Approach to Realizing the Value of Maine's Forest Resources	UMS RRF Graduate Assistantship	2017-2018	Adam Daigneault
\$38,352	Crossing boundaries to improve sustainable forest management in Maine	George J. Mitchell Center	2016-2017	E. Simons-Legaard
\$42,920	Sustainability of widespread forest certification and the Maine Forest Practices Act	George J. Mitchell Center	2015-2016	E. Simons-Legaard

Select Conference Presentations

Refereed (since 2019 – 60 total) (*presenter, ^student)

60. *Community Social Vulnerability and Wildfire Occurrence in the Pacific Northwest*. *^Reilley, C., M.S. Crandall, J.D. Kline, J. deDiego, J.B. Kim. International Association for Society and Natural Resources Annual Meeting, June 2022, San Jose, Costa Rica. Oral presentation.
59. *Wildfire and human communities: understanding socioeconomic drivers of human-caused wildfire in the Pacific Northwest*. *^Reilley, C., M.S. Crandall, J.D. Kline, J. deDiego, J.B. Kim. Western Forestry Graduate Research Symposium, April 2022, Corvallis, OR. Oral presentation.
58. *Power and Impact: An Analysis of Political Identities in State-Convened Advisory Groups*. *^Mallory, G., M.S. Crandall, R. Hajjar, J. Leahy. Western Forestry Graduate Research Symposium, April 2022, Corvallis, OR. Oral presentation.
57. *Place-based characteristics defining trajectories of change and adaptation in forest-based communities*. *Morzillo, A.T., M.C. Walrath, M.S. Crandall, C. Colocousis, D.K. Munroe, K.P. Bell. US-International Association of Landscape Ecology Annual Meeting, April, 2022 (online due to COVID-19). Oral presentation.
56. *Public lands as opportunities and challenges for rural forest-located communities*. *Colocousis, C., A. Morzillo, M. S. Crandall, K. P. Bell, and D. K. Munroe. Eastern Sociological Society Annual Meeting, March 2022, Boston, MA. Oral presentation.
55. *State-level regulations on Private Forestlands: an analysis of relationships between state regulations and state characteristics*. *^Poudel, K., M.S. Crandall, E. C. Kelly, and B. Goldstein. Society of American Foresters National Convention, November 2021 (online due to COVID-19). Oral presentation.
54. *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 (online due to COVID-19). Poster presentation.
53. *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). Oral presentation.
52. *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 National Convention, October 2020 (online due to COVID-19). Oral presentation.
51. *Ensuring Sustainable Forest Management: Discourses Influencing State-level Policies*. *Kelly, E.C. and *M.S. Crandall. Society of American Foresters National Convention, October 2020 (online due to COVID-19). Oral presentation.
50. *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). Oral presentation.
49. *How Do States Ensure Sustainable Forest Practices? Balancing the Public Trust with Private Landowner Rights*. *Kelly, E.C., M.S. Crandall, and ^Z. Davis. Society of American Foresters National Convention, October-November 2019, Louisville KY. Oral presentation.
48. *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. Society of American Foresters National Convention, October-November 2019, Louisville KY. Oral presentation.
47. *Professional Ethics for Students: Information Cases and Teaching Materials*. *Linehan, P., *G.J. Vander Wyst, *M. Crandall, *P.A. Layton, and *E. Kelly (panel). Society of American Foresters National Convention, October-November 2019, Louisville KY. Oral presentation.
46. *Rural forested landscapes, economic change, and rural development*. *Bell, K., M. Crandall, D. Munroe, A. Morzillo, and C. Colocousis. North American Regional Science Council, November 2019, Pittsburgh PA. Oral presentation.
45. *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. Oral presentation.

44. *"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. Poster presentation.
43. *Snowmobiling in Maine: Economic Contributions and the Effect of Maine Guides on the Rental Industry.* *^Hathaway, I., M. Crandall, and J. Leahy. Maine Economics Conference, April 2019, Lewiston ME. Poster presentation.
42. *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. Oral presentation.
41. *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. Oral presentation.
40. *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. Oral presentation.
39. *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. Oral presentation.
38. *Opportunity Costs and Biological Benefits of Streamside Management Zones in Forested Landscapes.* *^Miller, E., K. Bell, M. Crandall, and M. Paisker. Maine Economics Conference, April 2019, Lewiston ME. Poster presentation.
36. *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. Oral presentation.

Invited (since 2019 – 23 total) (*presenter, ^student)

23. Developing a Social Vulnerability Index for Wildfire Risk in Oregon. *Crandall, M.S., *^Reilley, C., and Dunn, C. Equity and Environmental Justice in Wildfire Webinar Series, Northwest Fire Consortium, July 2022. Oral presentation (<https://youtu.be/SVGjwycrnrg>).
22. Developing a Social Vulnerability Index for Wildfire Risk in Oregon. *Crandall, M.S., *^Reilley, C., and Dunn, C. OSU Extension Fire Program Team Meeting, July 2022. Oral presentation.
21. Crafting state-level forestry policies across the US: analysis of the tension between private property rights and the public trust doctrine. *Crandall, M.S., Kelly, E.C., ^Poudel, K., and ^Goldstein, B. Applied Economics Working Group seminar, Oregon State University, June 2021 (online). Oral presentation.
20. Economic Motivations and Outcomes of Landowners' Silvicultural Choices. *Kenefic, L. and *M.S. Crandall. Maine-Nova Scotia Forestry Roundtable for the Minister of Lands of Nova Scotia, November, 2020 (online). Oral presentation.
19. Rural Youth Futures: Research Results, Oregon. *Crandall, M.S., J.E. Leahy, ^N. Bernsen, A. Carleton, A. Muller, J. Abrams, and M. Coughlan. Presentation to Southwest Oregon Workforce Investment Board, November, 2020 (online). Oral presentation.
18. Rural Youth Futures: Research Results, Maine. Crandall, M.S., *J.E. Leahy, ^N. Bernsen, A. Carleton, A. Muller, J. Abrams, and M. Coughlan. Presentation to Piscataquis County [Maine] Cooperative Extension Board, November, 2020 (online). Oral presentation.
17. Trends and Trajectories in Rural Communities: What we know and what we don't know. *Crandall, M.S. Rural Voices for Conservation Coalition Annual Meeting, January 2020, Silverton, Oregon. Oral presentation.
16. Forests are the Answer! Or Are They? Invited panel participant (*Cook, S., *Crandall, M.S., *Elmendorf, B., *DeLuca, T., and *K. Rose) for DEI-focused Friday Focus on Forestry session, Society of American Foresters National Convention, October-November 2019, Louisville, KY. Oral panel.
15. Neither Boon nor Bane: Certification and Society. *Crandall, M.S. Maine Division-New England Society American Foresters Annual Meeting, October 2019, Orono ME. Oral presentation.

Teaching

Current at Oregon State

FOR 460, Forest Policy (Writing Intensive Course) – 4 credits. Offered every winter, 2020 -
FOR 461, Forest Policy Analysis – 3 credits. Offered every spring, 2021 -
FOR 561, Forest Policy & Policy Analysis – 3 credits. Offered alternate spring, 2022 -
FOR 499/599, Special Topics. The Salmon Coast: Forest and Resource Sustainability in Canada – 3 credits (499), 1 credit (599). Experiential Learning trip to Vancouver Island over Spring Break, 2022 -
MNR 511, Introduction to Sustainable Natural Resource Management – 3 credits (co-taught 2020-2022)

Courses taught as instructor prior to 2020

University of Maine (21 course offerings)

SFR 477/577, Forest Landscape Management & Planning: **5 semesters** (every fall 2014-2019)
SFR 478, Tools for Forest Management: **4 semesters** (every fall 2015-2019)
SFR 444/544, Forest Economics: **2 semesters** (fall 2016 & 2018)
SFR 492, Forestry Capstone: **5 semesters** (fall 2015, 2017, 2018, 2019, spring 2018)
SFR 504, Rural Communities: Theory and Practice, **3 semesters** (2015, 2017, 2019) *with Dr. Jessica Leahy*
FOR 331, Forest Economics II, Oregon State University, **1 quarter** (as a doctoral student, winter 2013)

Graduate Advising

Current as primary advisor

- **Victoria Diederichs, M.S., co-advised with Dr. Eric Hansen, 2022 – (2025)**
 - FERM Department AOC fellowship, 2022-2023
- **Kamana Poudel, Ph.D., 2020 – (2024)**
 - Provosts' Fellowship, 2020-2021; COF fellowship, 2022-2023; International student GSC representative
 - Dissertation topic: *Private, federal, and communal forests: Local community success, distress, and economic trajectories*
- **Kim Martin, M.N.R., 2022 – (2024)**
- **Juleisi Fernández Nuñez, M.N.R., 2022 – (2024)**
- **Ian Goodwin, M.S., co-advised with Dr. John Sessions, 2021 – (2023)**
 - TA for FOR 329, 330, 499 (Salmon Coast), and 459 (capstone); Grad representative to FERM department
 - Thesis topic: *Decision making and expenditures in wildland fire for resource use*
- **Chantal Tumpach, Ph.D., co-advised with Dr. Rajat Panwar**
 - Dissertation topic: *Forest Certification and non-industrial private forest landowners*

Current as committee member

- Chelsea Pennick, Ph.D., University of Idaho. Advisor: Dennis Becker
- Lauren McCaskill, M.S., Oregon State University. Advisor: Reem Hajjar
- Mike Terry, M.P.P., Oregon State University. Advisor: Brent Steele

Graduates as primary advisor

- **Yamile Sanchez Chavez, M.N.R.**, August 2022. Capstone paper: *Analysis of the effectiveness, efficiency, and co-benefits of REDD+ projects in the Peruvian Amazon in the period 2017-2022*
- **Caitlyn Reilley, M.S.**, August 2022. Thesis: *Examining the relationships between wildfire and human communities to inform wildfire prevention and more equitable policy implementation.*
- **Gavriela Mallory, M.S.**, July 2022. Thesis: *For the People: Power Distribution and the Development of Political Identity in State Lands Management.*
- **Nicole Bernsen, Ph.D.**, May 2020. Dissertation: *Rural Youth Aspirations and Workforce Connections.* <https://digitalcommons.library.umaine.edu/etd/3246/>
- **Ian Hathaway, M.S.**, May 2020. Co-advised with Dr. Jessica Leahy. Thesis: *Snowmobiling in Maine: Economic Contributions and Registered Maine Guides.* <https://digitalcommons.library.umaine.edu/etd/3215/>
- **James Anderson, Ph.D.**, May 2020. Dissertation: *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. Co-advised with Dr. Laura Kenefic. Thesis: *Northern Conifer Forest Management: Silvicultural, Economic, and Ecological Outcomes from 65 Years of Study.* <https://digitalcommons.library.umaine.edu/etd/3125/>
- **Lesley Lichko, M.S.**, May 2019. Thesis: *The value of conservation lands in Downeast Maine.* <https://digitalcommons.library.umaine.edu/etd/3039/>
- **Karin Bothwell, M.S.**, July 2017. Thesis: *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. Project: *Harvest Schedule for Demeritt Forest.*

Graduates as committee member

- Kate Molton, M.N.R., 2022. Oregon State University. Advisor: Erika Wolters.
- Zach Davis, M.S., 2022. University of Maine. Advisor: Jessica Leahy.
- Gabrielle Sherman, Ph.D., 2022. University of Maine. Advisor: Adam Daigneault.
- Brianda Pape, M.N.R., 2022. Oregon State University. Advisor: Eric Jones.
- Brita Goldstein, M.S., 2022. Humboldt State University. Advisor: Erin Kelly.
- 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 at Oregon State University

To the Department

- 2021 – current Forest Policy Analysis & Economics Area of Concentration Lead, FERM Department
- 2021 – 2022 Search Committee Chair, Natural Resource Economist position, FERM Department
- 2020 – current Forestry Curriculum Committee member, FERM Department

To the College

- 2021 – current DEI Programming Task Force Chair, College of Forestry
- 2022 Invited participant, Dean's tour: Sweden & Finland, May
- 2022 Orange & Black Day volunteer
- 2022 International Forestry Student Association Invited discussion lead, *Rural Development and Community Forestry*, with Reem Hajjar, FES
- 2022 Board of Trustees tour of COF Invited flash talk, Fall
- 2021, 2022 WFGRS volunteer judge, College of Forestry
- 2021 Search Committee Member, Econ & Policy Dimensions position, FES Department
- 2021 Annual Ring volunteer, College of Forestry
- 2021 International Forestry Student Association Invited discussion lead, *Forest Policies, Industries, and Communities in Oregon*, with Klaus Puettnam, FES
- 2021 Small group discussant, *Picture a Scientist* viewing, College of Forestry
- 2020 – 2021 DEI Recruitment and Retention Task Force member, College of Forestry
- 2020 DEI Drop-In discussion lead, SWIFT: Building and retaining gender diversity within a University Forestry Education Program, College of Forestry

To the University

- 2020 – 2022 COVID-19 Impacts Working Group committee member, Oregon State University
- 2020 – 2021 Leadership Academy faculty mentor, Oregon State University

To the Profession

- 2021 – current Women's Forest Congress, Conference Content Development working group member
- 2020 – 2021 Women's Forest Congress, Stakeholder Engagement task force member
- 2021 *Changing Faces of Forestry*, panel member, PNW Region Forest Stewards Guild discussion
- 2021 *SWIFT: Building gender diversity in forestry*, invited discussion, University of Vermont
- 2014 – current Member, Society of American Foresters
- 2013 – current Member, Western Forest Economists
 - 2021 – 2022 President
 - 2019 – 2021 Vice-President
- 2022 Guest Associate Editor, Forest Science
- Reviewer for: Rural Sociology
 - Canadian Journal of Forest Research
 - Forests
 - The Forestry Chronicle
 - The Annals of Regional Science
 - Forest Ecosystems
 - Forest Science
 - Ecosystem Services

Selected service prior to 2020

2016 – 2020 Co-founder and planning team member, SWIFT, University of Maine
2016 – 2020 SAF Student Chapter Faculty Advisor, University of Maine
2016 – 2019 Maine Forest Collaborative - steering committee member
2016 – 2019 UMaine Research Council, College of NSFA representative
2018 – 2019 Maine Forest Legacy Program - community representative
2015 – 2019 Supporting Multicultural Students in Forestry, Committee member
2019 Interim MF Coordinator, University of Maine School of Forest Resources
2019, 2018 Grant Reviewer for USDA NIFA: National Needs Fellow Program
2019 Grant Reviewer for USDA NIFA: Tribal Grants Program
2016 – 2018 First year student mentoring program faculty mentor, University of Maine
Inductions: Gamma Sigma Delta, the Honor Society of Agriculture (2003)
Xi Sigma Pi National Forestry Honor Society (1997)
Phi Kappa Phi Honor Society (1996)

Awards, Media, and Professional Development

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. OSU Division of Outreach & Engagement. *Lena Etuk, Mindy Crandall, and Rob Emmanuel.*

Media since 2020

- 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 participant, National Center for Faculty Development and Diversity. 2020.
WIC Faculty Seminar participant, Oregon State University. 2020.
Pace and Scale of Forest Restoration on National Forest Lands workshop participant, PERC. 2020.
Finding Your Next Step: Learning for Diversity, Equity and Inclusion workshop, OSU. 2020.
Difficult Dialogues participant, Center for Innovation in Teaching and Learning, UMaine. Fall 2018.
Breaking the Bias Habit workshop, ADVANCE Rising Tide Center. University of Maine. 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.