

## Christopher J Dunn, Ph.D.

2/26/2024

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### EDUCATION

- 2015 Ph.D., Forest Resources, Oregon State University  
“Mixed-Severity Fire Effects on Biological Legacies and Vegetation Response in *Pseudotsuga* Forests of Western Oregon’s Central Cascades, USA”
- 2010 M.S., Forest Resources, Oregon State University  
“Coarse Woody Detritus Dynamics, Variable Decays Rates and their Contribution to Wildland Fuel Succession Following High-Severity Fire Disturbance in Dry-Mixed Conifer Forests of Oregon’s Eastern Cascades”
- 1999 B.S. Forest Management, Colorado State University  
Concentrations in Spatial Information Management Systems and Fire Sciences

### PROFESSIONAL APPOINTMENTS

- 2021-present Oregon State University: Assistant Professor of Wildfire Risk Science
- 2015-2021 Oregon State University: Research Associate in Wildfire Risk Science and Management

### JOURNAL PUBLICATIONS

- In press Reilley, C, **Dunn, CJ**, Crandall, M, Kline, J., Socially vulnerable Pacific Northwest (U.S.) communities are more likely to experience wildfires. *Environmental Research Letters*
- In press \*Greenler, SM, Lake, FK, Tripp, W, McCovey, K, Tripp, A, Hillman, L, **Dunn, CJ**, Prichard, SJ, Hessburg, PF, Harling, W, Bailey, JD. Blending Indigenous and western Science: Quantifying cultural burning impacts in Karuk Aboriginal Territory, *Ecological Applications*
- 2023 Galbraith, SM, Valente, JJ, **Dunn, CJ**, Rivers, JW. Both Landsat- and LIDAR-derived measures predict forest bee response to large-scale wildfire, *Remote Sensing in Ecology and Conservation*, 10(1), <http://dx.doi.org/10.1002/rse2.354>
- 2023 \*Greenler, SM, **Dunn, CJ**, Johnston, JD, Reilly, MJ, Merschel, A, Hagemann, K. Too hot, too cold, or just right: Can wildfire restore Oregon dry mixed-conifer forests? *PLOS One*, 18(2): e0281927. <https://doi.org/10.1371/journal.pone.0281927>

- 2023 Gannon, BM, Wei, Yu, Belval, E, Young, J, Thompson, MP, O'Connor, CD, Calkin, DE, **Dunn, CJ**. A Quantitative Analysis of Fuel Break Effectiveness Drivers in Southern California National Forests, *Fire*, 6, 104, <https://doi.org/10.3390/fire6030104>
- 2023 Beyene, MT, Leibowitz, SG, **Dunn, CJ**, Bladon, KD. To burn or not to burn: An empirical assessment of the impacts of wildfires and prescribed fires on trace element concentrations in Western US streams, *Science of the total Environment*, 863:1607311, <https://doi.org/10.1016/j.scitotenv.2022.160731>
- 2022 Riley, K.L.; O'Connor, C.D., **Dunn, C.J.**; Haas, J.R.; Stratton, R.D., Gannon, B. A National Map of Snag Hazard to Reduce Risk to Wildland Fire Responders. *Forests*, 2022, 13, 1160. <https://doi.org/10.3390/f13081160>
- 2022 Thompson, MP, O'Connor, CD, Gannon, BM, Caggiano, MD, **Dunn, CJ**, Shultz, CA, Calkin, DE, Piertruszka, B, Greiner, SM, Stratton, R, Morisette, JT. Potential operational delineations: new horizons for proactive, risk-informed strategic land and fire management, *Fire Ecology*, 18:17, <https://doi.org/10.1186/s42408-022-00139-2>
- 2022 Rossi, D, Kuusela, OP, **Dunn, CJ**. A Microeconomic Analysis of Wildfire Suppression Decisions in the Western United States, *Ecological Economics*, 200:107525, <https://doi.org/10.1016/j.ecolecon.2022.107525>
- 2022 Reilly, MJ, Halofsky, J, Raymond, C, McEvoy, A., Dye, A, Davis, R, Walker, N, Donato, D., Kim, J, Potter, B., **Dunn, CJ**, Johnston, JD, Harvey, B., Bell, D., Gregory, M, Zuspan, A, Halofsky, J, Kerns, B. *in press*, Cascadia Burning: Historical and Contemporary Context of the 2020 Westside Wildfires in the Pacific Northwest, *Ecosphere*
- 2022 Downing, W, **Dunn, CJ**, Thompson, MJ, Short, K, Caggiano, M, Calkin, DE. Human ignitions on private lands drive USFS cross-boundary wildfire transmission and community impacts in the western US. *Nature Scientific Reports*, 12, Article number: 2624
- 2022 Wollstein, K, Creutzburg, MK, Dunn, CJ, Johnson, DD, O'Connor, C, Boyd, CS. Toward integrated fire management to promote ecosystem resilience, *Rangelands*, 44(3), <https://doi.org/10.1016/j.rala.2022.01.001>
- 2021 Hogland, J, **Dunn, CJ**, Johnston, JD. 21<sup>st</sup> Century Planning Techniques for Creating Fire-Resilient forests in the American West. *Forests* 12, 1084. <https://doi.org/10.3390/f12081084>
- 2021 Johnston, JD, Kilbride, J, Meigs, GW, **Dunn, CJ**, Kennedy, R. (2021) Roadless areas account for a disproportionate share of wildfire activity in western U.S national forests, *Environmental Research Letters*, 16 (2021), 084040
- 2021 Johnston, JD, Greenler, SM, Miller, BA, Reilly, MJ, Lindsay, AA, **Dunn, CJ**. Diameter limits impede restoration of historical conditions in dry mixed-conifer forests of eastern Oregon, USA. *Ecosphere*, 12(3), 1-13, <https://doi.org/10.1002/ecs2.3394>
- 2020 Bayham, J, Belval, EJ, Thompson, MP, **Dunn, CJ**, Stonesifer, CS, Calkin, DE. Weather, Risk and Resource Orders on Large Wildland Fires in the Western US. *Forests*, 11, 169, <https://doi:10.3390/f11020169>

- 2020 Meigs, GW, Krawchuk, M, **Dunn, CJ**, Parks, S. Influence of topography and fuels on fire refugia probability under varying fire weather in forests of the US Pacific Northwest. *Canadian Journal of Forest Research*
- 2020 **Dunn, CJ**, Johnston, JD, Reilly, MJ, Bailey, JD, Miller, RA. How does tree regeneration respond to mixed-severity fire in the western Oregon Cascades, USA? *Ecosphere*, 11(1), 1-18  
<https://doi.org/10.1002/ecs2.3003>
- 2020 **Dunn, CJ**, O'Connor, CD, Abrams, J, Thompson, MP, Calkin, DE, Johnston, JD, Stratton, R, Gilbertson-Day, J. Wildfire risk science facilitates adaptation of fire-prone social-ecological systems to the new fire reality. *Environmental Research Letters*, <https://doi.org/10.1088/1748-9326/ab6498>
- 2019 Thompson, MP, Wei, Y, Calkin, DE, O'Connor, DE, **Dunn, CJ**, Anderson, NM, Hogland, JS. Risk Management and Analytics in Wildfire Response. *Current Forestry Reports*, 5(4), 226-239.
- 2019 Eisenberg, C, Anderson, CL, Collingwood, A, **Dunn, CJ**, Meigs, GW, Hibbs, DE, Sissons, R, Murphy, S, Kuiper, SD, Spearchief-Morris, J, Little Bear, L, Edson, CB, Johnston, B. Out of the Ashes: Effects of Extreme Wildfire, Prescribed Burns, and Indigenous Burning on Ecosystem Structure and Diversity. *Frontiers in Ecology and Evolution*, 7, 436.
- 2019 Thompson, MP, Wei, Y, **Dunn, CJ**. A systems dynamics model examining alternative wildfire response policies. *Systems*, 2019, 7, 49; doi:10.3390/systems704004
- 2019 Wei, Y, Thompson, MP, Scott, JH, O'Connor, CD, **Dunn, CJ**. Designing operationally relevant daily large fire containment strategies using risk assessment results. *Forests*, 10(4), 311; doi:10.3390/f10040311
- 2019 **Dunn, CJ**, O'Connor, CD, Reilly, MJ, Calkin, DE, Thompson, MP. Spatial and temporal assessment of responder exposure to snag hazards in post-fire environments. *Forest Ecology and Management*, 441: 202-214
- 2019 Johnston, JD, **Dunn, CJ**, Vernon, M. Tree traits influence response to fire severity in the western Oregon Cascades, USA. *Forest Ecology and Management*, 433: 690-698
- 2018 \*Hoe, MS, **Dunn, CJ**, Hailemariam, T (2018) Multi-temporal LiDAR improves estimates of fire severity in forested landscapes. *International Journal of Wildland Fire*, 27(9), 581-594  
<https://doi.org/10.1071/WF17141>
- 2018 Johnston, JD, **Dunn, CJ**, Vernon, M, Bailey, JD, Morrissette, B, Morici, K. Restoring historical forest conditions in a diverse inland Pacific Northwest Landscape. *Ecosphere*, 9(8)
- 2018 Thompson, MP, MacGregor, DG, **Dunn, CJ**, Calkin, DE, Phipps, J. Rethinking the Wildland Fire Management System. *Journal of Forestry*, 116 (4), 382-390.  
<https://doi.org/10.1093/jofore/fvy020>
- 2018 Zald, HSJ, **Dunn, CJ**. Severe fire weather and intensive forest management increase fire severity in a multi-ownership landscape. *Ecological Applications*, 28(4): 1068-1080.

- 2017 **Dunn, CJ**, Thompson, M, Calkin, DE. A framework for developing safe and effective large-fire response in a new fire management paradigm. *Forest Ecology and Management*, 404: 184-196. <http://dx.doi.org/10.1016/j.foreco.2017.08.039>
- 2017 **Dunn, CJ**, Thompson, MP, Calkin, DE. Towards enhanced risk management: planning, decision making, and monitoring of U.S. wildfire response. *International Journal of Wildland Fire*, 26: 551-556.
- 2017 Katuwal, H, **Dunn, CJ**, Calkin, DE. Characterizing resource use and exposure during large-fire management in the western US. *International Journal of Wildland Fire*, 26:604-614.
- 2017 Johnston, JD, Bailey, JD, **Dunn, CJ**, Lindsay, AA. Historical fire-climate relationships in contrasting interior Pacific Northwest forest types. *Fire Ecology*, 13(2): 17–36. doi: 10.4996/fireecology.130257453
- 2017 Reilly, M, **Dunn, CJ**, Meigs, GW, Spies, TA, Kennedy, RE, Bailey, JD, Briggs, K. Contemporary patterns of fire extent and burn severity in forests of the Pacific Northwest (1985-2010). *Ecosphere*, 8(3).
- 2017 Song, Z, **Dunn, CJ**, Lu, XT, Qiao, L, Pang, JP, Tang, JW. Coarse woody decay rates vary by physical position in tropical seasonal rainforests of SW China. *Forest Ecology and Management*, 385:206-213. 10.1016/j.foreco.2016.11.033
- 2017 Thompson, MP, **Dunn, CJ**, Calkin, DE. Systems thinking and wildland fire management. *Journal of the International Society for the Systems Sciences*, 1(1):1-17.
- 2016 Johnston, JD, Bailey, JD, **Dunn, CJ**. Influence of Fire Disturbance and Biophysical Heterogeneity on Pre-Settlement Ponderosa Pine and Mixed Conifer Forests. *Ecosphere*, 7(11).
- 2016 **Dunn, CJ**, Bailey, JD. Tree mortality and structural change following mixed-severity fire in Pseudotsuga forests of Oregon's western Cascades, USA. *Forest Ecology and Management*, 365: 107-118. doi:10.1016/j.foreco.2016.01.031
- 2015 Thompson, MP, **Dunn, CJ**, Calkin, DE. Wildfires: Systemic changes needed. *Science*, 11-20-2015
- 2015 **Dunn, CJ**, Bailey, JD. Temporal Fuel Dynamics Following High-Severity Fire in Dry-Mixed Conifer Forests of the Eastern Cascades, Oregon USA. *International Journal of Wildland Fire*, 24: 470-483.
- 2015 **Dunn, CJ**, Bailey, JD. Modeling the direct effects of salvage logging on long-term temporal fuel dynamics in dry-mixed conifer forests. *Forest Ecology and Management*, 341: 93-109.
- 2012 **Dunn, CJ**, Bailey, JD. Temporal dynamics and decay of coarse wood in early seral habitats of dry-mixed conifer forests in Oregon's Eastern Cascades. *Forest Ecology and Management*, 276: 71-81.

#### BOOK CHAPTERS

- 2018 **Dunn, CJ**. Forests on Fire: Nature's Thermal Creativity. In: Ecological Forest Management, Franklin, JF, Johnson, KN, Johnson, DL (eds). Waveland Press, Inc., Long Grove, IL, USA. ISBN 13: 978-1-4786-3350-1

- 2018 **Dunn, CJ**, Thompson, MP. The Fire Next Time: Strategies for Fire and Fuels Management. In: Ecological Forest Management, Franklin, JF, Johnson, KN, Johnson, DL (eds). Waveland Press, Inc., Long Grove, IL, USA. ISBN 13: 978-1-4786-3350-1

## BOOK REVIEWS

- 2016 **Dunn, CJ**. Ghost fire of the North: the historical account of a lost boreal forest mega-fire. *Ecology*, 97 (3): 813-814

## OTHER MEDIA AND PUBLICATIONS

### Digital media

- 2022 Preparing for Natures Worst, OSU Engineering Podcast, <https://engineering.oregonstate.edu/season-11-engineering-natural-hazard-impacts/preparing-for-natures-worst>
- 2021 Ashland Forest Resiliency Proactive Community Fire Planning, <https://youtu.be/RgVmLgqH4L0>
- 2018 Thompson, MP, O'Connor, CD, **Dunn, CJ**, Calkin, DE. Re-forging Our Relationship with Fire. Youtube whiteboard video. <https://www.youtube.com/watch?v=c0ZN-zlkwEs&list=PLNsZX2SBTIVn1ce0l9-0C6CCbID0j2kwn&index=2&t=2s>
- 2018 Thompson, MP, O'Connor, CD, **Dunn, CJ**, Calkin, DE. Engaging the Fire Before it Starts: proactive risk management. Youtube whiteboard video <https://www.youtube.com/watch?v=KT0tNLucy08&list=PLNsZX2SBTIVn1ce0l9-0C6CCbID0j2kwn&index=3&t=0s>
- 2018 Thompson, MP, O'Connor, CD, **Dunn, CJ**, Calkin, DE. Partnering for Solutions: new tools for spatial fire planning. Youtube whiteboard video. <https://www.youtube.com/watch?v=NMbzXNY9RU8&list=PLNsZX2SBTIVn1ce0l9-0C6CCbID0j2kwn&index=4&t=0s>

### Non-peer reviewed publications

- 2023 Alexis Neukirch, David Calkin, Christopher O'Connor, Matthew Thompson, Christopher Dunn, Michael Caggiano. Embracing PODs: Advancing wildfire response planning. International Association of Wildland Fire. Online: <https://www.iawfonline.org/article/embracing-pods-advancing-wildfire-response-planning/>.
- 2016 Bailey, JD, **Dunn, CJ**. From Smokey Bear to Smoky Air: Wildland Fire Management at a Crossroads. *Western Forester*, January/February

### Op-eds

- 2021 Fischer, E, Crandall, M, Dunn, C. As Oregon's wildfire season fades, new approaches to managing risk need to take hold. *Oregon Capital Chronicle*, October 2021. <https://oregoncapitalchronicle.com/2021/10/06/as-oregons-wildfire-season-fades-new-approaches-to-managing-risk-need-to-take-hold/>

- 2020 Dunn, CJ: Stop pointing fingers and start protecting communities. Medford Mail Tribune, October 2020. <http://mailtribune.com/opinion/guest-opinions/stop-pointing-fingers-and-start-protecting-our-communities>
- 2019 Greenler, S, Dunn, CJ, Johnston, JD. Guest Column: Light it so you don't have to fight it. Bend Bulletin, September 25<sup>th</sup>. [https://www.bendbulletin.com/opinion/guest-column-light-it-so-you-don-t-have-to/article\\_35a354cc-a097-5c89-8b44-5e1fa8ced106.html](https://www.bendbulletin.com/opinion/guest-column-light-it-so-you-don-t-have-to/article_35a354cc-a097-5c89-8b44-5e1fa8ced106.html)
- 2018 Dunn, CJ, Johnston, JD, Bailey, JD. Guest Column: Forest issues need fact-based collaborative approach. Bend Bulletin, March 24<sup>th</sup>. [https://www.bendbulletin.com/opinion/guest-column-forest-issues-need-fact-based-collaborative-approach/article\\_387620b3-adcd-5773-a3e2-e1625177c9ca.html](https://www.bendbulletin.com/opinion/guest-column-forest-issues-need-fact-based-collaborative-approach/article_387620b3-adcd-5773-a3e2-e1625177c9ca.html)
- 2016 Dunn, CJ, Bailey, JD, Johnston, JD, Zald, H, Meigs, GW. Forest fuels pileup, not firefighter failure, made Canyon Creek fire a tragedy (Opinion). The Oregonian, August 20<sup>th</sup>. [https://www.oregonlive.com/opinion/2016/08/forest\\_fuels\\_pileup\\_not\\_firefi.html](https://www.oregonlive.com/opinion/2016/08/forest_fuels_pileup_not_firefi.html)

#### **GRANT-FUNDED ACTIVITIES**

- 2023 PI\_RMRS \$700k
- 2022 PI: WO \$1.5M
- 2021 PI: Governor's Wildfire Omnibus Bill (SB 762). Wildfire risk analytics in collaboration with Oregon Department of Forestry, Oregon State Fire Marshall, Building Codes Division, Department of Land Conservation and Development, and other state agencies, \$950,000, plus recurring annual \$180,000.
- 2021 Co-PI: Wildfire risk management science at the boundary of change: Using wildfire risk analytics to adapt our social and ecological systems to an uncertain future, USDA Forest Service Rocky Mountain Research Station, \$179,000.
- 2021 Co-PI: Integrating cultural fire regimes into wildfire and climate adaptation strategies. Western Klamath Resource Partnership, \$91,800.
- 2021 Co-PI: 2020 Westside Fire Synthesis and Quantitative Wildfire Risk Assessment and Mitigation Framework. NCASI, \$20,076
- 2021 Co-PI: Dual disturbances: Do fuel treatments and wildfire protect or harm sagebrush valued resources? Joint Fire Sciences Program, ~\$499,000
- 2020 Co-PI: Assessing fuel breaks using an empirical spatial fire planning model in the context of suppression operations. Joint Fire Sciences Program, \$499,778.
- 2020 Co-PI: Ashland Forest All Lands Restoration Initiative: tactical fire management opportunities analysis. The Nature Conservancy, \$18,000.
- 2019 PI: Integrating Wildfire Risk Analytics into Land and Fire Management to Meet Resource Objectives. USDA Forest Service Rocky Mountain Research Station, \$170,000.

- 2015 Co-PI: Influence of Landscape Disturbance on Opportunities to Achieve Land and Fire Management Objectives. USDA Forest Service Rocky Mountain Research Station, \$522,802.
- 2014 Co-PI: Evidence-Based Wildfire Risk Reduction Strategies Across Federal and Private Mixed-Ownership Landscapes of the Klamath Mountains, Ecoregion, Oregon, USA. Bureau of Land Management, \$140,000.
- 2012 Co-PI: Application of Fire and Herbicide Treatments to Control False Brome (*Brachypodium sylvaticum*), an Invasive Species Common in Oregon's Coast Range, USA. Oregon State University College Forests, \$25,000.
- 2012 Co-PI: Mixed-Severity Fire and Salvage Logging in Dry Forests of Oregon's Western Cascades: Temporal Trends in Carbon Stores and Ecosystem Productivity. Joint Fire Sciences Program Graduate Research Innovation Network (GRIN) Grant, \$25,000.
- 2011 Key Personnel: Fire Regimes, Forest Change and Restoration of Forested Plant Associations in the Middle Applegate Watershed, Oregon. Bureau of Land Management, Medford District, \$60,000.
- 2010 Student PI: Traditional Ecological Knowledge in Ecosystem Sustainability. Educational Activities Fund Grants, Oregon State University. Multiple years, \$15,000.

#### **GRANT PROPOSALS**

- 2022 PI: Spatial Fire Planning across California Landscapes, U.S. Forest Service Fire and Aviation Management, \$2,000,000.
- 2022 Co-PI: Pacific Northwest Tribal Conservation Corps Project for Seeds of Success, Bureau of Land Management, \$3,000,000.
- 2021 Co-PI: Living with fire in super-productive Douglas-fir forests, Joint Fire Sciences Program, \$334,732.

#### **SELECT MEDIA COVERAGE**

- 2023
- 2023 Tik Tok
- 2023 EE News - Anton
- 2023 Think Out Loud
- 2023 AP myth busting
- 2023 Source Weekly by Jack Harvel
- 2022 "Research from OSU busts myth that Forest Service is major fire contributor". The Jefferson Exchange. [Research from OSU busts myth that Forest Service is a major fire contributor | Jefferson Public Radio \(ijpr.org\)](#)

- 2022 “Don’t blame national forests for America’s massive wildfires”. Popular Science. <https://www.popsci.com/science/wildfire-home-safety-plan/>
- 2021 Adapting to the Era of Megafires: A Community & Expert Summit on Catastrophic Wildfire in Oregon and Beyond, Episode 3, <https://www.worldforestry.org/wildfire/>
- 2021 ‘Timber Wars’ bonus episode: Wildfire. Oregon Public Broadcasting, January 28<sup>th</sup>. <https://www.opb.org/article/2021/01/28/timber-wars-bonus-episode-wildfire/>
- 2021 ‘No Quick Fix’: US Wildfire Risk Keeps Rising As Biden Administration Tackles Climate Change. January 21<sup>st</sup>. Sputnik News, <https://sputniknews.com/us/202101211081839910-no-quick-fix-us-wildfire-risk-keeps-rising-as-biden-administration-tackles-climate-change/>
- 2020 Western Innovator: Forest researcher draws on fire experience. Capital Press, November 13<sup>th</sup>. [https://www.capitalpress.com/ag\\_sectors/research/western-innovator-forest-researcher-draws-on-fire-experience/article\\_fb660a0e-255a-11eb-92a1-af1b9706b0e7.html](https://www.capitalpress.com/ag_sectors/research/western-innovator-forest-researcher-draws-on-fire-experience/article_fb660a0e-255a-11eb-92a1-af1b9706b0e7.html)
- 2020 Despite What the Logging Industry Says, Cutting Down Trees Isn’t Stopping Catastrophic Wildfires. ProPublica, October 31<sup>st</sup>. <https://www.opb.org/article/2020/10/31/logging-wildfire-forest-management/>
- 2020 Despite What the Logging Industry Says, Cutting Down Trees Isn’t Stopping Catastrophic Wildfires. ProPublica, October 31<sup>st</sup>. <https://www.propublica.org/article/despite-what-the-logging-industry-says-cutting-down-trees-isnt-stopping-catastrophic-wildfires>
- 2020 Would more logging have averted Oregon’s catastrophic 2020 wildfires? Probably not. Oregonian, October 31<sup>st</sup>. <https://www.oregonlive.com/wildfires/2020/10/oregons-labor-day-wildfires-raise-controversial-questions-about-how-forests-are-managed.html>
- 2020 Trump’s plan for managing forests won’t save us in a more flammable world, experts say. September 16<sup>th</sup>, Washington Post, <https://www.washingtonpost.com/climate-environment/2020/09/16/fires-climate-change/>
- 2020 Managed fire or Misfire? August 28<sup>th</sup>, Evergreen Magazine. Evergreen Magazine <https://www.evergreenmagazine.com/managed-fire-or-misfire/>
- 2020 Wildfire dilemma: Changes ahead in how the West’s forests are managed. Capital Press. May 28<sup>th</sup>. [https://www.capitalpress.com/ag\\_sectors/research/wildfire-dilemma-changes-ahead-in-how-the-west-s-forests-are-managed/article\\_8b35db5e-9c81-11ea-b0f1-abf80c6d8e34.html](https://www.capitalpress.com/ag_sectors/research/wildfire-dilemma-changes-ahead-in-how-the-west-s-forests-are-managed/article_8b35db5e-9c81-11ea-b0f1-abf80c6d8e34.html)
- 2019 OSU develops tools to help land managers use risk-analysis approach to ‘new wildfire reality’. KTVZ News Channel 21, January 8<sup>th</sup>. <https://ktvz.com/news/2020/01/08/osu-develops-tools-to-help-land-managers-use-risk-analysis-approach-to-new-wildfire-reality/>
- 2019 Snag hazard to firefighters persists long after the smoke has cleared. *Science Spotlight*, U.S. Forest Service Rocky Mountain Research Station, September 24<sup>th</sup>.

- <https://www.fs.usda.gov/rmrs/science-spotlights/snag-hazard-firefighters-persists-long-after-smoke-has-cleared>
- 2018 What We Learned from the Yarnell Hill Fire Deaths. Outside Magazine, October 30<sup>th</sup>.  
<https://www.outsideonline.com/2356386/what-we-learned-yarnell-hill-fire#close>
- 2018 Southern Oregon Smoke and Fire Summit. <https://www.youtube.com/watch?v=JUYqrJMeFAo>
- 2018 Smoke and Fire Summit Starts a Conversation in Southern Oregon. Jefferson Public Radio, September 16<sup>th</sup>. <https://www.ijpr.org/post/smoke-and-fire-summit-starts-conversation-southern-oregon#stream/0>
- 2018 Working on smoke prevention and cure. Ashland Daily Tidings, September 16<sup>th</sup>.  
<https://ashlandtidings.com/news/environment/working-on-smoke-prevention-and-cure>
- 2018 Behind Wildfire Suppression, A Human Toll. Oregon Public Broadcasting, September 9<sup>th</sup>.  
<https://www.opb.org/news/article/wildfire-firefighter-death-oregon-risk-forest-management/>
- 2018 Can ‘Moneyball’ Fix How the West Manages Wildfire? Oregon Public Broadcasting, July 16<sup>th</sup>.  
<https://www.opb.org/news/article/fire-wildfire-west-management-science-data-risk-moneyball/>
- 2018 Study: Wildfires Burn More Severely on Private Timber Plantations Than Public Forests. Oregon Public Broadcasting, May 5<sup>th</sup>. <https://www.opb.org/news/article/wildfire-severity-private-public-forests/>
- 2013 Living with Fire – Wildland Fire Science. Oregon State University, November 15<sup>th</sup>.  
<https://www.youtube.com/watch?v=dZmgJl9iKjU>

#### INVITED PRESENTATIONS

- 2021 **Dunn, CJ.** Engaging the fire before it starts: Building resilience at the scale of the challenge. City of Ashland, June 3<sup>rd</sup>.
- 2021 **Dunn, CJ.** Planning for the unplanned: Working with instead of against wildfires, Western Klamath Resource Partnership, virtual, May 11<sup>th</sup>.
- 2021 **Dunn, CJ.** Adapting to the Era of Megafires, North American Wholesale Lumber Association, Virtual, May 7<sup>th</sup>.
- 2021 **Dunn, CJ.** Methods for prioritizing wildfire risk mitigation actions, Malheur National Forest staff, Virtual, April 12<sup>th</sup>.
- 2021 **Dunn, CJ.** Wildfire Moneyball: Can risk analytics facilitate adaptation to our 21st Century wildfire reality, Institute for Applied Ecology, Virtual, March 25<sup>th</sup>.
- 2021 Tukman, M., **Dunn, CJ.** North Coast Resource Partnership Regional Prioritization Plan, Virtual, March 16<sup>th</sup>.
- 2021 **Dunn, CJ.** Wildfire Risk Mapping and Community Exposure, Senate Natural Resources and Wildfire Recovery Committee, Virtual, March 10<sup>th</sup>.

- 2021 **Dunn, CJ.** 2020 - What a year! Benton County Small Woodlands Association, Virtual, January 28<sup>th</sup>.
- 2021 **Dunn, CJ,** Calkin, DE, Thompson, MP, O'Connor, CD, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Washington Department of Natural Resources, Virtual, January 14<sup>th</sup>.
- 2020 **Dunn, CJ.** Wildfires in the 21<sup>st</sup> Century. Sustainable Northwest Wood, Virtual, December 15<sup>th</sup>.
- 2020 **Dunn, CJ,** Haas, J, O'Connor, CD, Calkin, DE, Thompson, MP. Engaging fires before they start: Strategic fire planning for the 21<sup>st</sup> Century. North Coast Resource Partnership, Virtual, November 12<sup>th</sup>.
- 2020 Thompson, MP, **Dunn, CJ.** Engaging fires before they start: Strategic fire planning for the 21<sup>st</sup> Century, Fire Adapted Communities Network, August 19<sup>th</sup>.
- 2020 **Dunn, CJ,** O'Connor, CD, Thompson, MP, Haas, JR, Calkin, DE, Stratton, R. Analytical tools supporting fire planning, operations, and tactical engagement. Region Four Geographic Area Coordination Center, virtual, June 3<sup>rd</sup>.
- 2020 **Dunn, CJ.** Incident within an Incident: Wildfire Management during COVID-19 pandemic. Fire and Climate Summit with Representative Marsh and Wildland Fire Chief Chambers, virtual, May 5<sup>th</sup>.
- 2020 **Dunn, CJ,** O'Connor, CD, Thompson, MP, Haas, JR, Calkin, DE, Stratton, R. Analytical tools supporting fire planning, operations, and tactical engagement. Region Six Geographic Area Coordination Center, virtual, May 22<sup>nd</sup>.
- 2020 **Dunn, CJ.** Introduction to spatial fire planning, California Regional Fire Leadership Team, Virtual, April 9<sup>th</sup>.
- 2020 **Dunn, CJ,** Calkin, DE, Thompson, MP, O'Connor, CD, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Washington Department of Natural Resources, Olympia, WA. March 31<sup>st</sup>.
- 2019 **Dunn, CJ.** Strategic Fire Management Planning for the 21<sup>st</sup> Century. Oregon Forest and Industries Council Fall/Winter 2019 Protection Committee meeting, Salem, OR. December 17<sup>th</sup>.
- 2019 **Dunn, CJ.** Strategic fire management planning for the 21<sup>st</sup> Century. Landscape Ecology and NEPA Planning: Building Credible, Science-Based Rationale for "Why Here, Why Now". Corvallis, OR. November 5<sup>th</sup>.
- 2019 **Dunn, CJ.** Wildfire Moneyball: Analytics for the New Normal. The Hagenstein Lecture Series: Emerging Voices in Forestry. World Forestry Center, Portland, OR. October 20<sup>th</sup>.
- 2019 **Dunn, CJ.** Engaging fires before they start: Strategic fire planning for the 21<sup>st</sup> Century. Invited testimony to Oregon's Senate Committee on Wildfire Prevention and Recovery, Salem, OR. September 16<sup>th</sup>.
- 2019 **Dunn, CJ.** Priority Mapping for Wildfire Mitigation Actions. Mitigation Committee Report to Governor's Wildfire Council. Salem, OR. September 16<sup>th</sup>.

- 2019 **Dunn, CJ.** Quantitative wildfire risk mapping. West Coast Utility Commissions - Wildfire Dialogue. Oregon Convention Center, Portland, OR. August 16<sup>th</sup>.
- 2019 **Dunn, CJ,** O'Connor, CD, Calkin, DE, Thompson, MP, Stratton, R, Scott, J. Engaging fires before the start: Strategic fire planning for the 21<sup>st</sup> Century Blue Mountains Forest Partners Monthly Meeting, July, 18<sup>th</sup>.
- 2019 **Dunn, CJ,** O'Connor, CD, Calkin, DE, Thompson, MP, Stratton, R, Scott, J. Engaging fires before the start: Strategic fire planning for the 21<sup>st</sup> Century. Oregon Department of Environmental Quality "Thirsty For Knowledge" Seminar Series, Hillsboro, OR, June 20<sup>th</sup>.
- 2019 **Dunn, CJ,** O'Connor, CD, Calkin, DE, Thompson, MP, Stratton, R, Scott, J Wildfire risk management science in action: New tools for spatial fire planning. Sustainable Northwest, March 1<sup>st</sup>.
- 2019 **Dunn, CJ.** Wildfire risk management science for a changing fire environment. Department of Environmental Science and Management Winter 2019 Seminar Series, Portland State University, Portland, OR. January 24<sup>th</sup>.
- 2018 **Dunn, CJ,** Thompson, MP, O'Connor, CD, Calkin, DE. Are we focusing on the right problems and right solutions? Plenary presentation. 15th International Wildland Fire Safety Summit and 5th Human Dimensions of Wildland Fire Conference. Asheville, NC. December 10-14.
- 2018 **Dunn, CJ.** A primer on how we arrived at today's fire environment. Fire and Smoke Summit, Ashland, OR. September 15<sup>th</sup>.
- 2018 **Dunn, CJ,** Meigs, GW. A Westside Story: 2017 Fire Season in Review. Invited opening presentation at Forest Health in Oregon: State of the State. Corvallis, OR. March 1<sup>st</sup>.
- 2018 **Dunn, CJ,** O'Connor, C, Calkin, DE, Reilly, M, Thompson, MP, Gregory, M. Quantifying the temporal and spatial dynamics of snag hazard in post-fire environments. U.S. Forest Service Research, Development and Applications Webinar Series. February 1<sup>st</sup>.
- 2017 **Dunn, CJ.** Beyond patch-size distributions: an emergent property of moderate-severity fire regimes. Invited plenary speaker at Northwest Scientific Association, Ashland, OR. March 15<sup>th</sup>.
- 2017 **Dunn, CJ,** Thompson, MJ, Calkin. Risk management principles and large fire management. Pacific Northwest Incident Management Team Conference, Vancouver, WA. March 5<sup>th</sup>.
- 2017 **Dunn CJ,** Thompson, MJ, Calkin, DE, Zald, HS. Who's to blame? Fire management in mixed-ownership landscapes. Fire Lab Seminar Series, Missoula, MT. January 12<sup>th</sup>.
- 2016 **Dunn, CJ,** Thompson, MJ, Calkin, DE. March 2016. How do we develop optimal incident management strategies for a new large-fire management paradigm? 4<sup>th</sup> Central Oregon Fire Science Symposium, Bend, OR. March 24-26.
- 2015 **Dunn, CJ.** June 2015. Post-fire Snag Dynamics and their Contribution to Fuel Succession Following High-Severity Fire and Salvage Logging. Blue Mountain Forest Partnership Science Meeting, John Day, OR. June 18<sup>th</sup>.

## CONFERENCE PRESENTATIONS

- 2021 Chambers, C, **Dunn, CJ**. Spatial fire planning at the Wildland-Urban Interface: A case study in Ashland, Oregon. Wildland-Urban Interface Conference November 15-16<sup>th</sup>.
- 2021 **Dunn, CJ**, Tuman, M. Prioritizing Investments in Forest and Community Resilience. North Coast Resource Partnership prioritization workshop, Fortuna, CA. July 15<sup>th</sup>.
- 2021 **Dunn, CJ**. Anticipating wildfire: building partnerships and bridging boundaries for a more resilient future, Sustainable Northwest Forest Collaboratives Workshop, May 26<sup>th</sup>.
- 2021 **Dunn, CJ**. Responder Exposure Index – Deep Dive Session Coordinator, 16<sup>th</sup> International Wildland Fire Safety Summit/6<sup>th</sup> Human Dimensions of Wildland Fire Conference, May, 24<sup>th</sup>.
- 2020 **Dunn, CJ**. Introduction to Potential Wildfire Operational Delineations, Invasive Annual Grass Workshop, Virtual, December 14 – 15<sup>th</sup>.
- 2020 **Dunn, CJ**. Moneyball for Wildfire: Analytics for the New Normal. State of the State Forest Health Conference, February 26 – 27.
- 2019 **Dunn, CJ**, Thompson, MP, Calkin, DE. Evaluating fire management complexity for the US National Forest System. 8<sup>th</sup> International Fire Ecology and Management Congress, Tucson, AZ. November 18-22.
- 2019 **Dunn, CJ**, Calkin, DE, O'Connor, CD, Thompson, MP, Stratton, R, Scott, J. Geospatial analytics supporting multi-jurisdictional fire management. 8<sup>th</sup> International Fire Ecology and Management Congress, Tucson, AZ. November 18-22.
- 2019 **Dunn, CJ**, Calkin, DE, O'Connor, CD, Thompson, MP, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Oregon Society of American Foresters Annual Meeting, Lebanon, OR. April 17-19.
- 2019 **Dunn, CJ**, Zald, HS. Severe fire weather and industrial forest management increase fire severity. Public Interest Environmental Law Conference, Eugene, OR. February 28<sup>th</sup> – March 3<sup>rd</sup>.
- 2018 **Dunn, CJ**, Thompson, MP, Scott, J, O'Connor, CD, Calkin, DE. December 2018. Management science for a changing fire environment. 15th International Wildland Fire Safety Summit and 5th Human Dimensions of Wildland Fire Conference. Asheville, NC.
- 2018 **Dunn, CJ**. Tools for Spatial Fire Planning in the 21st Century. Presentation to fire planning staff on the Fremont-Winema N.F. Paisley, OR. November 9<sup>th</sup>.
- 2018 **Dunn, CJ**, Bailey, JD. May 2018. Effects of post-fire salvage logging on early-seral ecosystems in western Oregon. The Fire Continuum Conference: Preparing for the future of wildland fire. Missoula, MT. May 21-25.
- 2018 **Dunn, CJ**, O'Connor, C, Calkin, DE, Reilly, M, Thompson, MP. May 2018. Quantifying the temporal and spatial dynamics of snag hazard in post-fire environments. The Fire Continuum Conference: Preparing for the future of wildland fire. Missoula, MT. May 21-25.
- 2018 **Dunn, CJ**, Zald, HS. Fire severity patterns across ownership boundaries. Forest Health in Oregon: State of the State. Corvallis, OR. March 1<sup>st</sup>.

- 2017 **Dunn, CJ**, O'Connor, C, Calkin, DE, Reilly, M, Thompson, MP, Gregory, M. Quantifying the temporal and spatial dynamics of snag hazard in post-fire environments. 7th International Fire Ecology and Management Congress, Orlando, FL. November 27<sup>th</sup> - December 1<sup>st</sup>.
- 2017 **Dunn, CJ**, Thompson, MP, Calkin, DE. A framework for optimizing large-fire response in a new fire management paradigm. 7th International Fire Ecology and Management Congress, Orlando, FL. November 27<sup>th</sup> - December 1<sup>st</sup>.
- 2017 **Dunn, CJ**, Bailey, JD. In search of an emergent property of the moderate severity fire regime. 7th International Fire Ecology and Management Congress, Orlando, FL. November 27<sup>th</sup> - December 1<sup>st</sup>.
- 2017 **Dunn, CJ**, Zald, HSJ. Disentangling the drivers of wildfire severity in a multi-owner forest landscape in Oregon, USA. Ecological Society of America Annual Meeting, Portland, OR. August 6-11.
- 2017 **Dunn, CJ**, Thompson, MP, Calkin, DE. Is the U.S. federal fire management system resilient? National Cohesive Wildland Fire Management Strategy Workshop, Reno, NV. April 25-27.
- 2017 **Dunn, CJ**, Calkin, DE, Zald, H. Fire contagion and effects across mixed-ownership landscapes. National Cohesive Wildland Fire Management Strategy Workshop, Reno, NV. April 25-27.
- 2016 **Dunn, CJ**, Thompson, MJ, Calkin, DE. November 2016. Planning for the unplanned: relevance of pre-planning to large-fire operations. Special session at 3rd Southwest Fire Ecology Conference. Tucson, AZ. November 28<sup>th</sup> – December 1<sup>st</sup>.
- 2016 **Dunn, CJ**, Thompson, MJ, Calkin, DE. November 2016. Are U.S. federal fire management systems resilient? Special Session at 3rd Southwest Fire Ecology Conference. Tucson, AZ. November 28<sup>th</sup> – December 1<sup>st</sup>.
- 2016 **Dunn, CJ**, Thompson, MJ, Calkin, DE. Are U.S. federal fire management systems resilient? Wildland Fire Canada 2016. Kelowna, BC. October 24<sup>th</sup>-28<sup>th</sup>.
- 2016 **Dunn, CJ**, Thompson, MJ, Calkin, DE. A Framework for Developing Optimal Response in a New Fire Management Paradigm. 5th International Fire Behavior and Fuels Conference, Portland, OR. April 11-15.
- 2016 Hoe, M, **Dunn, CJ**. Estimating Fire Induced Basal Area Mortality with Multi-temporal LiDAR. 5th International Fire Behavior and Fuels Conference, Portland, OR. April 11-15.
- 2016 Zald, H, **Dunn, CJ**. Disentangling the Drivers of Wildfire Severity in a Multi-Owner Forest Landscape. 5th International Fire Behavior and Fuels Conference, Portland, OR. April 11-15.
- 2016 Bailey, JD, **Dunn, CJ**. Impacts of Post-fire Salvage Harvesting on Early-seral Ecosystems in Western Oregon. 5th International Fire Behavior and Fuels Conference, Portland, OR. April 11-15.
- 2016 **Dunn, CJ**. March 2016. A discussion on post-fire management in Pacific Northwest forests. Collaboration Across Boundaries: Sharing Knowledge & Advancing Solutions, Region Six Forest Collaboratives Workshop, Hood River, OR. March 30-31.

- 2015 **Dunn, CJ**, Reilly, MJ, Bailey, JD. Improving fire severity maps to assess forest resilience: Tree survival is more important than mortality for vegetation response to mixed-severity fire. 6th International Fire Congress, San Antonio, TX. November 16-20.
- 2015 **Dunn, CJ**, Thompson, MJ, Calkin, DE. Nov. 2015. How do we develop optimal incident management strategies for a new large-fire management paradigm? 6th International Fire Ecology and Management Congress, San Antonio, TX. November 16-20.
- 2014 **Dunn, CJ**, Bailey, JD. Scale-Dependent Vegetation Response to a Mixed-Severity Disturbance Gradient. Large Wildland Fires Conference. Missoula, MT. May19-23.
- 2014 **Dunn, CJ**, Bailey, JD. Fuel Succession after Stand-Initiating Fire and Salvage Logging in Dry-Forests: Consequences for Fire Hazard and Risk. 3<sup>rd</sup> Central Oregon Fire Science Symposium, Bend, OR. April 7-10.
- 2013 **Dunn, CJ**. Temporal Dynamics and Decay of Coarse Wood in Early Seral Habitats of Dry-Mixed Conifer Forests in Oregon's Eastern Cascades. 7<sup>th</sup> Western Hazard Tree Workshop. Sedona, AZ. May 13-17.
- 2012 **Dunn, CJ**, Comfort, E, Bailey, JD. To Restore or Restory? That is the Question. 5th International Fire Ecology and Management Congress. Portland, OR. December 3-7.
- 2012 **Dunn, CJ**, Bailey, JD. Incorporating CWD Dynamics into Estimates of Post-fire Carbon Emissions in Dry-Mixed Conifer Forests of Oregon. 2<sup>nd</sup> Central Oregon Fire Science Symposium, Bend, OR. April
- 2012 **Dunn, CJ**, Comfort, E, Bailey, JD. Disturbance History and Stand Development of a Dry-mixed Conifer and Hardwood Forest Landscape in the Siskiyou Mountains, Oregon. Western Forestry Graduate Research Symposium, Corvallis, OR. April 16.
- 2011 **Dunn, CJ**, Bailey, JD. Improved Estimates of Post-fire Carbon Emissions from Coarse Wood in Dry Forest Environments. Interior West Fire Ecology Conference: Challenges and Opportunities in a Changing World, Snowbird, UT. November 14-17.
- 2011 **Dunn, CJ**, Bailey, JD. Comparison of Forest Structure and Carbon Dynamics between Intensively Managed and Unmanaged Forest Environments Following Fire Disturbance. Interior West Fire Ecology Conference: Challenges and Opportunities in a Changing World, Snowbird, UT. November 14-17.
- 2011 Comfort, E, **Dunn, CJ**, Bailey, JD. Disturbance History and Stand Development of a Dry-mixed Conifer and Hardwood Forest Landscape in the Siskiyou Mountains, Oregon. Interior West Fire Ecology Conference: Challenges and Opportunities in a Changing World, Snowbird, UT. November 14-17.
- 2011 Comfort, E, **Dunn, CJ**, Bailey, JD. Disturbance History and Stand Development of a Dry-mixed Conifer and Hardwood Forest Landscape in the Siskiyou Mountains, Oregon. Missoula Fire Lab Fall Seminar Series, Missoula, MT. November 22.
- 2010 **Dunn, CJ**, Bailey, JD. Snag Fall, Coarse Wood Decomposition, and Fine Fuel Succession Following High-Severity Fire in Dry-mixed Conifer Forests of Oregon's Cascades. 3<sup>rd</sup> Fire Behavior and Fuels Conference, Spokane, WA. October 25-29.

- 2010 **Dunn, CJ**, Bailey, JD. Post-fire Fuel Dynamics and Future fire Severity in Dry-mixed conifer Forests of Oregon's Cascades. 1st Central Oregon Fire Science Symposium, Bend, OR. April
- 2009 **Dunn, CJ**, Bailey, Post-fire Fuel Dynamics and Future fire Severity in Dry-mixed conifer Forests of Oregon's Cascades. Association for Fire Ecology's International Congress on Fire Ecology and Management: Fire as a Global Process, Savannah, GA. November 30<sup>th</sup> – December 4<sup>th</sup>
- 2009 **Dunn, CJ**. Fire Management, Carbon and Climate Change". Managing for climate change in and ecosystem dynamics framework, Institute for Natural Resources. Corvallis, Oregon, April 15<sup>th</sup>.

#### **CONFERENCE SESSION ORGANIZER/MODERATOR**

- 2021 PODS: Collaborative Fire Planning Workshop. Virtual, February 24<sup>th</sup> and 25<sup>th</sup>.
- 2020 Spatial Fire Planning for the Stanislaus NF. March 12<sup>th</sup> and 13<sup>th</sup>.
- 2019 The Many Dimensions of Transboundary Wildfire. Special Session. 8<sup>th</sup> International Fire Ecology and Management Congress, Tucson, AZ. November 18-22.

#### **PUBLIC PRESENTATIONS**

- 2021 **Dunn, CJ**. Engaging fires before they start: Strategic fire planning for the 21<sup>st</sup> Century. Sonoma County, CA Leadership. October 12<sup>th</sup>.
- 2021 DeLuca, T, **Dunn, CJ**, Crandall, M, Reilley, C, Fischer, E. Science Foundation for Mapping the Wildland-Urban Interface, Socially Vulnerable Communities, and their Exposure to Wildfire. Oregon's Board of Forestry. September 8<sup>th</sup>.
- 2021 **Dunn, CJ**. Introduction to Quantitative Wildfire Risk Assessments and Community Exposure. Virtual for Oregon's 2021 SB 762 Rules Advisory Committee. August, 19<sup>th</sup>.
- 2021 **Dunn, CJ**. Engaging the fire before it starts: Building resilience at the scale of the challenge. Community of Ashland, Oregon. June 3<sup>rd</sup>.
- 2021 **Dunn, CJ**. The 2020 Labor Day Firestorm, Benton County Small Woodlands Association, Virtual, January 21<sup>st</sup>.
- 2020 **Dunn, CJ**, Calkin, DE, Thompson, MJ, O'Connor, CD, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Wild Rivers Collaborative, Virtual, December 10<sup>th</sup>.
- 2020 **Dunn, CJ**, Calkin, DE, Thompson, MJ, O'Connor, CD, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Wasco County Collaborative, Virtual, May 7<sup>th</sup>.
- 2020 **Dunn, CJ**, Calkin, DE, Thompson, MJ, O'Connor, CD, Stratton, R, Scott, J. Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. High Desert Partnership, Burns, OR. March 19<sup>th</sup>.
- 2020 **Dunn, CJ**. Introduction to wildfire risk analytics. Local Community Group, Applegate Valley, OR. May 8<sup>th</sup>.

- 2019 **Dunn, CJ.** New perspectives on wildfire management in mixed-ownership landscapes. Invitation from Klamath-Siskiyou Wild to give public presentation at Recreation Equipment, Inc., Medford, OR, July 26<sup>th</sup>.
- 2019 **Dunn, CJ.** Preparing Ourselves for the New Fire Reality. Wallowology, Joseph, OR. July 11<sup>th</sup>.
- 2019 **Dunn, CJ.** Engaging fires before they start: Spatial fire planning for the 21<sup>st</sup> Century. Northwest Fire Science Consortium Webinar, March 21<sup>st</sup>.
- 2011 **Dunn, CJ.** High School Environmental Education, Metropolitan Learning Center. Portland, OR. October 12.
- 2010 **Dunn, CJ.** High School Environmental Education, Metropolitan Learning Center. Portland, OR. October 18.

## **WORKSHOPS**

- 2022 Spatial Fire Planning workshop, Cascades Zone of North Coast Resource Partnership Landscape, Yreka, CA. April 6<sup>th</sup>.
- 2022 Spatial Fire Planning workshop, Trinity Zone of North Coast Resource Partnership Landscape, Hayfork, CA. April 5<sup>th</sup>.
- 2022 Spatial Fire Planning workshop, North Coast Zone of North Coast Resource Partnership Landscape, Eureka, CA. March 1<sup>st</sup>.
- 2022 Spatial Fire Planning workshop, Klamath Zone of North Coast Resource Partnership Landscape, Happy Camp, CA. February 22<sup>nd</sup>.
- 2022 Spatial Fire Planning workshop, Smith River Zone of North Coast Resource Partnership Landscape, Gasquet, CA. February 16<sup>th</sup>.
- 2021 Spatial Fire Planning workshop, South Zone of North Coast Resource Partnership Landscape, Sonoma, CA. December 5<sup>th</sup>.
- 2020 Spatial fire planning workshop, Stanislaus National Forest, Sonora, CA. March 10-12.
- 2020 Spatial fire planning workshop, Mt. Hood and Willamette N.F., Portland, OR. March 3<sup>rd</sup>.
- 2019 Spatial fire planning workshop, Malheur National Forest, John Day, OR. November 13<sup>th</sup>.
- 2019 Spatial fire planning workshop, Gifford-Pinchot National Forest, Portland, OR. June 28<sup>th</sup>.
- 2019 Spatial fire planning workshop, Western Klamath Restoration Partnership, Happy Camp Ranger District, Happy Camp, CA. May 13<sup>th</sup>.
- 2019 Spatial fire planning workshop, Fremont-Winema National Forest, Lakeview, OR. May 1-2.
- 2019 Spatial fire planning workshop, Rogue Basin Multi-Jurisdiction Landscape, April 16-17.
- 2019 Spatial fire planning workshop, Ochoco National Forest, Prineville, OR. April 9<sup>th</sup>.
- 2019 Spatial fire planning workshop, Umpqua National Forest, Roseburg, OR. March 18-19.
- 2019 Spatial fire planning workshop, Chiloquin Ranger District, Chiloquin, OR. February 19<sup>th</sup>.
- 2018 Spatial fire planning workshop, Arapahoe-Roosevelt National Forest, Ft. Collins, CO. Feb. 7-8.
- 2010 Fire Modeling Workshop. Oregon State University, 3-part series, October 11-15

## **TEACHING EXPERIENCE (INSTRUCTOR OF RECORD)**

### **Oregon State University**

Topics in Wildland Fire (Conventional and Distance Education, 2011-2014)

Wildland Fire Seminar (2011-2015)

Forest Ecology (2009-2013)

Wildland Fire Science and Management (Co-Instructor, 2010)

Wildland Fire Science and Management (Distance Education, 2009)

## **TEACHING ASSISTANTSHIPS**

### **Oregon State University**

Forest Resource Economics II (2007 – 2009)

Wildland Fire Science and Management (2008)

Introduction to Forestry (2006 – 2007)

Silvicultural Practices (2007)

Integrated Prescriptions (2007)

### **Colorado State University**

Earth Systems Sciences (1998-1999)

## **STUDENT ADVISING**

### **Advisor**

*Current* Martinez, Megan. Master's in Natural Resources. A Technical Guide to PODs for Cross-Boundary Strategic Wildfire Planning.

2022 Baragona, Michelle. Master of Natural Resources. "Prioritizing fuel breaks using spatial analysis in Utah's wildland urban interface."

### **Co-Advisor**

*Current* McClure-Greenler, Skye. Doctor of Philosophy. "Quantitative and qualitative measures of the benefits and limitations to increasing the pace and scale of using wildfire and Indigenous management practices to improve ecosystem resilience in northern California".

*Current* Terziglou, Cihat. Master of Science. "Assessing the influence of forest gaps on tree regeneration and vegetation following mixed-severity fire in the Klamath Mt. Ecoregion in Oregon, USA".

2016 Hoe, Michael. Master of Science. "Multi-temporal LiDAR analysis of landscape fire effects in southwestern Oregon"

## **Committee Member**

- Current* Reilley, Caitlyn. Master of Science. "Relationship of ignition patterns to social vulnerability and economic distress of communities in Oregon, USA".
- 2022 Kovasi, Adrienne. Master of Science. "Elemental content of saxicolous lichens in relation to air quality and rock type in the southern Sierra Nevada".
- 2021 Weber, Rebecca. Master of Science. "Reburn Severity and Vegetation Recovery in Southwestern Oregon, USA."
- 2021 Christensen, Wade. Master of Forestry. "Fuels Reduction Silvicultural Plan for the Deadman Land Block of the Cow Creek Tribal Forestry Ownership"
- 2021 Rossi, David. Doctor of Philosophy. "Empirical asset pricing of public wildfire suppression resources: Risk attitudes, revealed preferences, and mean-variance efficiency of centralized incident management"
- 2019 Ohotnicky, Colette. Master's of Arts. "Enchantment as Worldview: Imagining how embodied wonder changes what nature means and how we enter into relationship with the world"
- 2019 Wolken, Karin. Master's of Science. "Analysis of Fire Severity in Southwestern Oregon Using Aerial LiDAR"
- 2019 Maclennan, Audrey. Master's of Science. "Relationship of Soil Type and Burn Severity to Post-fire Vegetation Response"
- 2010 Merschel, Andrew. Honors College Thesis titled "Stand Structure of Old Growth Dry Mixed Conifer Forests in the Deschutes and Ochoco National Forests"

## **SERVICE ACTIVITIES**

### **Service to the profession**

*Current* Association for Fire Ecology Conference planning committee

- 2022 Leadership Team for Rules Advisory Committee establishing rules and criteria for mapping high-risk structures in the wildland-urban interface across Oregon.
- 2020 Steering Committee, Traditional Ecological Knowledge Conference: 10 Years of Shared Knowledge, Oregon State University, Corvallis, OR. May 13-14.
- 2020 Steering Committee, 5<sup>th</sup> Central Oregon Fire Science Symposium, Bend, OR. March 18-20.
- 2019 Steering Committee, 8th International Fire Ecology and Management Congress, Tucson, AZ. November 18-22.
- 2017 Steering Committee, 7th International Fire Ecology and Management Congress, Orlando, FL. November 27<sup>th</sup> - December 1<sup>st</sup>.
- 2016 Board Member, Association for Fire Ecology (thru 2018)

- 2016 Steering Committee, 4<sup>th</sup> Central Oregon Fire Science Symposium, Bend, OR.
- 2015 Steering Committee, 6th International Fire Ecology and Management Congress, San Antonio, TX. November 16-20
- 2014 Steering Committee, 3<sup>rd</sup> Central Oregon Fire Science Symposium, Bend, OR. April 7-10
- 2013 Steering Committee, 3<sup>rd</sup> Traditional Ecological Knowledge Conference, Oregon State University, Corvallis, OR. May 16-17
- 2012 Steering Committee, 5th International Fire Congress, Association for Fire Ecology, Portland, OR. December 3-7
- 2011 Steering Committee, 2<sup>nd</sup> Traditional Ecological Knowledge Conference, Oregon State University, Corvallis, OR. May 12-13
- 2010 Steering Committee, 1<sup>st</sup> Traditional Ecological Knowledge Conference, Oregon State University, Corvallis, OR. May 14
- 2009 Co-founder, Traditional Ecological Knowledge Initiative

**Service to the College/Department**

- 2022 Search Committee for Associate Dean of Inclusive Excellence and Tribal Engagement, College of Forestry, Oregon State University
- 2022 Advisory Board for College of Forestry Strategic Plan Development, College of Forestry, Oregon State University
- 2019 Mitigation Committee of the Governor of Oregon's Wildfire Council (Science advisor and primary analyst)
- 2013 Graduate Student Council Representative (thru 2015)
- 2012 Western Forestry Graduate Symposium Steering Committee
- 2008 Founder and President of Oregon State University's Student Association for Fire Ecology (thru 2013)
- 2007 National Commission on Science for Sustainable Forestry, Washington D.C.

**Peer reviewer for**

- Environmental Research Letters (2021)
- Journal of Environmental Management (2021)
- PLOS One (2021)
- National Science Foundation (2021)
- Bioscience (2020)

Journal for Tropical Forest Science (2020)  
Society and Natural Resources (2020)  
Scientific Data (2020)  
Atmosphere (2020)  
NOVA (2020)  
Transactions in GIS (2019)  
Fire Ecology (2018, 2018, 2019, 2019)  
International Association for Fire Safety Science (2019)  
Ecosphere (2016, 2019, 2021)  
Risk Analysis (2018)  
International Journal of Wildland Fire (2017, 2018, 2018)  
Frontiers in Ecology and Environment (2015, 2018, 2020, 2021)  
Forests (2015, 2016, 2016, 2017, 2017, 2018)  
Sustainability (2017)  
Forest Ecology and Management (2017)  
Ecological Applications (2017)  
Canadian Journal of Forest Research (2016, 2017)  
Joint Fire Science Graduate Research Innovation Awards (2017)  
Forest Policy and Economics (2015)  
Journal of Spatial Science (2015)  
NIFA Small Business Innovation Research (2015)

#### **FELLOWSHIPS, SCHOLARSHIPS AND RECOGNITION**

2020 Pacific Southwest Regional Forester and Station Director Honor Award, Social Ecological Resilience Across the Landscape Team member, December, 2020.

2013 Dorothy Hoener Memorial Fellowship

2012 Dorothy Hoener Memorial Fellowship

2011 Dorothy Hoener Memorial Fellowship

2011 Graduate Student Excellence Award, Association for Fire Ecology

- 2010 Richardson Graduate Fellowship, Oregon State University
- 2010 Oregon State University Outstanding Graduate Teaching, College of Forestry Nominee
- 2007 Shultz Family Education Fund Fellowship
- 2007 Wendell Oliver Walker Fellowship
- 2006 J. Dilworth Memorial Fellowship

**PROFESSIONAL MEMBERSHIPS**

American Association for Advancement of Science

Society of American Foresters

Association for Fire Ecology

Ecological Society of America

Oregon Prescribed Fire Council

Xi Sigma Pi Honor Society