

Christopher J Dunn

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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

- 2015-present Oregon State University: Research Associate in Wildfire Risk Science and Management

JOURNAL PUBLICATIONS

- Forthcoming 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*
- Forthcoming 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. Regeneration dynamics offer new insights into fire’s functional role in Douglas-fir forests of the Pacific Northwest, 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 1 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. (2015). 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

- 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=PLNsZX2SBTIVn1ce0I9-0C6CCbID0j2kwn&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=PLNsZX2SBTIVn1ce0I9-0C6CCbID0j2kwn&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=PLNsZX2SBTIVn1ce0I9-0C6CCbID0j2kwn&index=4&t=0s>

Non-peer reviewed publications

- 2016 Bailey, JD, **Dunn, CJ**. From Smokey Bear to Smoky Air: Wildland Fire Management at a Crossroads. *Western Forester*, January/February

Op-eds

- 2019 Greenler, S, Dunn, CJ, Johnston, JD. Guest Column: Light it so you don't have to fight it. *Bend Bulletin*, September 25th. 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 24th. 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, Megs, GW. Forest fuels pileup, not firefighter failure, made Canyon Creek fire a tragedy (Opinion). *The Oregonian*, August 20th.
https://www.oregonlive.com/opinion/2016/08/forest_fuels_pileup_not_firefi.html

MEDIA COVERAGE

- 2019 OSU develops tools to help land managers use risk-analysis approach to 'new wildfire reality'. KTVZ News Channel 21, January 8th. <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 24th.
<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 30th.
<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 16th. <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 16th. <https://ashlandtidings.com/news/environment/working-on-smoke-prevention-and-cure>
- 2018 Behind Wildfire Suppression, A Human Toll. Oregon Public Broadcasting, September 9th. <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 16th. <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 5th. <https://www.opb.org/news/article/wildfire-severity-private-public-forests/>
- 2013 Living with Fire – Wildland Fire Science. Oregon State University, November 15th. <https://www.youtube.com/watch?v=dZmgJl9iKjU>

GRANT-FUNDED ACTIVITIES

- 2019 Co-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.

INVITED PRESENTATIONS

- 2019 **Dunn, CJ.** Strategic Fire Management for the 21st Century. Oregon Forest and Industries Council Fall/Winter 2019 Protection Committee meeting, Salem, OR. December 17th.
- 2019 **Dunn, CJ.** Strategic fire management planning for the 21st Century. Landscape Ecology and NEPA Planning: Building Credible, Science-Based Rationale for “Why Here, Why Now”. Corvallis, OR. November 5th.
- 2019 **Dunn, CJ.** Wildfire Moneyball: Analytics for the New Normal. The Hagenstein Lecture Series: Emerging Voices in Forestry. World Forestry Center, Portland, OR. October 20th.
- 2019 **Dunn, CJ.** Engaging fires before they start: Strategic fire planning for the 21st Century. Invited testimony to Oregon’s Senate Committee on Wildfire Prevention and Recovery, Salem, OR. September 16th.
- 2019 **Dunn, CJ.** Priority Mapping for Wildfire Mitigation Actions. Mitigation Committee Report to Governor’s Wildfire Council. Salem, OR. September 16th.
- 2019 **Dunn, CJ.** Quantitative wildfire risk mapping. West Coast Utility Commissions - Wildfire Dialogue. Oregon Convention Center, Portland, OR. August 16th.
- 2019 **Dunn, CJ, O’Connor, CD, Calkin, DE, Thompson, MP, Stratton, R, Scott, J.** Engaging fires before the start: Strategic fire planning for the 21st Century Blue Mountains Forest Partners Monthly Meeting, July, 18th.
- 2019 **Dunn, CJ, O’Connor, CD, Calkin, DE, Thompson, MP, Stratton, R, Scott, J.** Engaging fires before the start: Strategic fire planning for the 21st Century. Oregon Department of Environmental Quality “Thirsty For Knowledge” Seminar Series, Hillsboro, OR, June 20th.
- 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 1st.
- 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 24th.
- 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 15th.
- 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 1st.
- 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 1st.

- 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 15th.
- 2017 **Dunn, CJ,** Thompson, MJ, Calkin. Risk management principles and large fire management. Pacific Northwest Incident Management Team Conference, Vancouver, WA. March 5th.
- 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 12th.
- 2016 **Dunn, CJ,** Thompson, MJ, Calkin, DE. March 2016. How do we develop optimal incident management strategies for a new large-fire management paradigm? 4th 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 18th.

CONFERENCE PRESENTATIONS

- 2019 **Dunn, CJ,** Thompson, MP, Calkin, DE. Evaluating fire management complexity for the US National Forest System. 8th 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. 8th 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 21st 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 28th – March 3rd.
- 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 9th.
- 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 1st.

- 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 27th - December 1st.
- 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 27th - December 1st.
- 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 27th - December 1st.
- 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 28th – December 1st.
- 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 28th – December 1st.
- 2016 **Dunn, CJ**, Thompson, MJ, Calkin, DE. Are U.S. federal fire management systems resilient? Wildland Fire Canada 2016. Kelowna, BC. October 24th-28th.
- 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. 3rd 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. 7th 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. 2nd 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. 3rd 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 30th – December 4th
- 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 15th.

CONFERENCE SESSION ORGANIZER/MODERATOR

- 2019 The Many Dimensions of Transboundary Wildfire. Special Session. 8th International Fire Ecology and Management Congress, Tucson, AZ. November 18-22.

PUBLIC PRESENTATIONS

- 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 26th.
- 2019 **Dunn, CJ**. Preparing Ourselves for the New Fire Reality. Wallowology, Joseph, OR. July 11th.
- 2019 **Dunn, CJ**. Engaging fires before they start: Spatial fire planning for the 21st Century. Northwest Fire Science Consortium Webinar, March 21st.
- 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

- 2020 *Scheduled*, Spatial fire planning workshop, Stanislaus National Forest, Sonora, CA. March 10-12.
- 2019 Spatial fire planning workshop, Malheur National Forest, John Day, OR. November 13th.
- 2019 Spatial fire planning workshop, Gifford-Pinchot National Forest, Portland, OR. June 28th.
- 2019 Spatial fire planning workshop, Western Klamath Restoration Partnership, Happy Camp Ranger District, Happy Camp, CA. May 13th.
- 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 9th.
- 2019 Spatial fire planning workshop, Umpqua National Forest, Roseburg, OR. March 18-19.
- 2019 Spatial fire planning workshop, Chiloquin Ranger District, Chiloquin, OR. February 19th.
- 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

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)

SERVICE ACTIVITIES

Service to the profession

- 2020 Steering Committee, Traditional Ecological Knowledge Conference: 10 Years of Shared Knowledge, Oregon State University, Corvallis, OR. May 13-14.
- 2020 Steering Committee, 5th 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 27th - December 1st.
- 2016 Board Member, Association for Fire Ecology (thru 2018)
- 2016 Steering Committee, 4th 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, 3rd Central Oregon Fire Science Symposium, Bend, OR. April 7-10
- 2013 Steering Committee, 3rd 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, 2nd Traditional Ecological Knowledge Conference, Oregon State University, Corvallis, OR. May 12-13
- 2010 Steering Committee, 1st Traditional Ecological Knowledge Conference, Oregon State University, Corvallis, OR. May 14
- 2009 Co-founder, Traditional Ecological Knowledge Initiative

Service to the College/Department

- 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

- Society and Natural Resources (2020)
- Transactions in GIS (2019)
- Fire Ecology (2018, 2018, 2019, 2019)
- International Association for Fire Safety Science (2019)
- Ecosphere (2016, 2019)
- Risk Analysis (2018)
- International Journal of Wildland Fire (2017, 2018, 2018)
- Frontiers in Ecology and Environment (2015, 2018)
- 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

2013 Dorothy Hoener Memorial Fellowship

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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