

JOHN DUFF BAILEY
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Forest Engineering, Resources and Management
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EDUCATION

- Ph.D., Oregon State University (Corvallis, OR) in Forest Science – Silviculture
September 1991 – **June 1997.**
- M.F., Virginia Tech (Blacksburg, VA) in Forest Biology
September 1983 – **June 1985.**
- B. S., 1983, Virginia Tech (Blacksburg, VA) in Forestry and Wildlife Management
September 1979 – **June 1983.**

AREAS OF SPECIAL TEACHING AND RESEARCH SKILLS

- Silviculture and forest ecosystem management; structure management, and sustainability
- Fuels manipulations and wildland fire science; prescribed fire (RX-310 certificate)
- Curriculum development (general education, global learning, learning management systems)
- Diversity, Equity and Inclusion – ADVANCE, OSU Search Advocacy, Safe Space alumni
- Tropical forestry, agroforestry and forest certification

PROFESSIONAL AFFILIATIONS

Society of American Foresters: Silviculture Working Group (D2) **Chair**, and local Chapter/State Association for Fire Ecology (7th World Congress Program Committee)
Oregon Prescribed Fire Council (**Vice-Chair**)
International Association of Wildland Fire
International Society of Tropical Foresters
Xi Sigma Pi, past-Forester and Faculty Advisor

HONORS AND AWARDS

2019 **Fellow** in the Society of American Foresters
2017-19 Maybelle Clark MacDonald **Endowed Professor of Teaching Excellence**
2013 Oregon Society of American Foresters **Research Award**
2012 OSU College of Forestry **Aufderheide Award** for Teaching Excellence
2010 **Dean's Award** for Outstanding Achievement in Extended and Continuing Education
2007 OSU College of Forestry **Aufderheide Award** for Teaching Excellence
2005 **Arizona Teaching Fellow** (one of six from Northern Arizona University)
2003 NAU College of Ecosystem Science and Management, **Professor of the Year**
2000 Northern Arizona University representative to **Great Teachers Summit** (one of 10 from campus)
1999 NAU College of Ecosystem Science and Management, **Centennial Teacher of the Year**
1998 Northern Arizona University School of Forestry, **Teacher of the Year**
1995 Oregon State University, **Outstanding Undergraduate Educator** (one of 15 on campus)
1993 Oregon State University, **Outstanding Teaching Assistant**, nominee
1989 US Environmental Protection Agency, **Special Achievement Award**

GRADUATE STUDENTS ADVISED – at OSU (2006- 2015) as Associate Professor; 18 students

Student and degree	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Frank Hassler, MS (NAU)	D										
Kyla Sabo, MS (NAU)	D										
Maria Irwin, MS (NAU)	D										
Mark Nabel, MS (co-advised)	S	C	D								
Tristan Huff, MS	S	C	D								
Chris Dunn, MS	S	C	C	C	D						
Chaylon Shuffield, MS		S	C	C	D						
Emily Comfort, PhD (co-advised)			S	C	C	C	C	D			
Teresa Ramona Arechiga, MS/PCMI				S	PC	PC	PC	D			
Chris Dunn, PhD					S	C	C	C	C	D	
Patrick Fekety, MF					S	C	D				
Emily Platt, PhD					S	C	C	C	D		
Garrett Meigs, PhD (co-advised)					S	C	C	C	D		
Kevin Vogler, MS						S	C	C	D		
Bethany Munoz, MS						S	C	D			
Jona Ensley, MS							S	C	C	D	
Taylor Fjeran, MS							S	C	D		
Molly Pitts, MNR							S	C	D		
Amy Barnhart, MF								S	C	D	
James Johnston, PhD (co-advised)								C*	C	C	D
Marie Perrin Miller, MNR								S	C	C	D

GRADUATE STUDENTS ADVISED – at Oregon State University (2016-) as Professor

Student and degree	2014	2015	2016	2017	2018	2019	2020	2021
Irene (Missy) Sprecher, MNR	S	C	C	D				
Katherine Morici, MS	S	C	C	D				
Will Pollock, MF	C	C	C	D				
Kevin Credo, MS		S	C	D				
Timothy Facemire, MF/PCMI		S	PC	PC	D			
Patrick Tweedy, MS		S	C	C	D			
Kayla Johnston, MS			S	C	D			
Gabe Kohler, MS (co-advised)			S	C	D			
Julia Olszewski, MS			S	C	C	D		
Preston Durham, MS				S	C	D		
Chrystal Johnson, PhD			S	C	C	C	D	
Darren Goodding, MF					C*	D		
Olivia Golemon, MNR					S	C	D	
Emily Long, MNR					S	C	D	
Skye Greenler, PhD					S	C	C	C
Camille Swezy, MF						S	C	D
Sam Freedman, MF						S	C	D
Tanner Wentlandt, MF							S	C
Cihat Terzioglu, MS							S	C
Jason Piasecki, MS							S	C
Jordan Ellison, MS							S	C

52 total; 8 current (in green)

S = start program; C = continuing in active status; C* = mid-program 'adoption'; PC = Peace Corp years;
D = successful defense of thesis/dissertation

Completed Dissertations, Theses and Professional Project titles:

- Martinez: "A Southwestern Ponderosa Pine Density Management Diagram."
- Smith: "A long-term evaluation of uneven-aged ponderosa pine management in northern Arizona."
- Harjanto: "Quality of teak (*Tectona grandis* L.) stem development using coppiced plantations in Java, Indonesia"
- Guerra: "Stand structure and dynamics of isolated *Pseudotsuga* forests in southern North America." (PhD)
- Goodwin: "Effects of soil type on regeneration of ponderosa pine in the Southwest." (PhD)
- Brischler: "Age/size structure and spatial arrangement of Gambel oak (*Quercus gambelii*) in southwestern pine-oak forests."
- Sesnie: "Environmental histories: A foundation for adaptive management on the Kaibab Plateau in northern Arizona."
- Leonard: "Assessing differential effects of two long-term institutional arrangements on forest ecosystem health in northern Arizona."
- Landis: "Reconstruction of age structure and spatial arrangement of pinyon-juniper woodlands and savannas on Anderson Mesa, northern Arizona"
- Faiella: "Fire, fuel and structural dynamics in treated and untreated ponderosa pine forests of northern Arizona"
- Hassler: "Dynamics of juniper invaded grasslands and old-growth woodlands at Wupatki National Monument, northern Arizona, USA"
- Sabo: "Understory vegetation dynamics following fuel reduction strategies in northern Arizona ponderosa pine forests"
- Irwin: "Effects of slash arrangements and treatments on the pinyon-juniper woodland understory community"
- Nabel: "Establishment and growth of planted and naturally-regenerated conifers in the understory of managed Douglas-fir forests in the Oregon Coast Range"
- Huff: "Conifer regeneration, understory vegetation and artificially topped conifer responses to alternative silvicultural treatments"
- Dunn: "Snag dynamics, variable decay rates and their effects on wildland fuel succession following high-severity fire disturbance in dry mixed-conifer forests of Oregon's eastern Cascades"
- Shuffield: "Reconstructing stand structure and composition in the ponderosa pine/lodgepole pine ecotone of the south-central Oregon Pumice Zone"
- Comfort: "Trade-offs between management for fire risk reduction and northern spotted owl habitat protection in the dry conifer forests of southern Oregon" (PhD)
- Arechiga: "Forest structure, composition and regeneration patterns surrounding an illegal village in Bale Mountains National Park, southeast Ethiopia"
- Fekety: "Fire history and land use in southwestern Oregon"
- Vogler: "Quantifying the availability of woody biomass from fuel reduction and forest health thinning on federally owned land in Oregon, Washington, Montana, and Idaho"
- Munoz: "The influences of prescribed burning, lop and scatter, and weed reduction treatment on quaking aspen regeneration in southeastern Idaho"
- Pitts: "Monarch Vegetation Management Plan"
- Platt: "Managing for landscape resilience in the frequent-fire forests of Central Oregon" (PhD)
- Meigs: "Mapping disturbance interactions from Earth and space: Insect effects on tree mortality, fuels, and wildfires across forests of the Pacific Northwest" (PhD)
- Fjeran: "Treatment options for controlling *Brachypodium sylvaticum* and impacts and native vegetation"

- Ensley: "Comparing Himalayan blackberry (*Rubus armeniacus*) management techniques in upland prairie communities of the W. L. Finley National Wildlife Refuge"
- Dunn: "Mixed-severity fire: biological legacies and vegetation response in *Pseudotsuga* forests of Oregon's Cascade Range" (PhD)
- Barnhart: "Comparison of post-fire erosion between experimental silvicultural treatments in the Siskiyou Mountains, Oregon"
- Johnston, James: "Forest Successional and Disturbance Dynamics in the Southern Blue Mountains of Oregon" (PhD)
- Sprecher: "Hawaiian sandalwood conservation and management"
- Morici: "Fuel treatment longevity in the Blue Mountains"
- Credo: "Assessing alternatives for fuel reduction treatment and Pacific marten conservation in the southern Cascades and northern Sierra Nevada."
- Pollock: "A comparison of understory vegetation in unthinned and thinned mature Douglas-fir stands in west-slope Cascades forests."
- Tweedy: "Diel rest structure selection and multi-scale analysis of Pacific marten resting habitat in Lassen National Forest, California."
- Facemire: "Intensive Novel Agroforestry Systems of Guinea, West Africa: A Peace Corps Volunteers Project."
- Kohler: "Social Acceptance of Landscape-Scale Restoration: Treatment of Riparian Areas in the Lower Joseph Creek Watershed, Oregon."
- Johnston, Kayla: "The Past, Present, and Future of Fire and Ponderosa Pine Stand Dynamics in the Metolius Research Natural Area, Central Oregon."
- Olszewski: "LiDAR as a Tool for Assessing Hazard Fuel Reduction Projects."
- Goodding: "Landscape Restoration in East-Side National Forests with an emphasis on management actions in Late-Successional Reserves (LSR): A Case Study of Challenges, Solutions and Opportunities on the Okanogan-Wenatchee National Forest"
- Durham: "Red Tree Voles: Examining the Potential Factors Limiting Occupancy and Survival in Young Conifer Forests of the Central Oregon Coast Range"
- Johnson: "Restoring Ponderosa Pine: Understanding Individual Tree Defenses, Disturbance Responses, and Resilience."

Other service on graduate student committees:

M.S./M.F./M.N.R.: 47 in the past; 5 active: Shawn Swartz, Aaron Rachels, Keiki Howe, and Katherine Wampler (Forestry); and Peter Nelson (Botany)

Ph.D.: 16 in the past; 3 active: Patricio Alzugarary (Forestry); Benjamin Smucker (Engineering); and Charles Maxwell (Portland State University)

International visiting students and post-doctoral scholars: Aroa Sampedro (2014); Ana Barros (2015-17), Fermin Alcasena (2016); Pal Palaiologou (2017)

Graduate College Representative: 30 to date (M.S. and Ph.D. combined)

INVITED PRESENTATIONS AND PANELS

“A look at the future of fire management.” **OSU Foundation Knowledge Break**, August 19, 2020. Virtual (Speaker)

“Landscape-scale management and wildfire risk across the east-west divide.” **South Gifford Pinchot Collaborative**, July 16, 2020. Virtual (Speaker)

“Silviculture and wildfire management in dry- and moist-mixed-conifer forests.” **Wasco Collaborative**, April 2, 2020. Virtual (Speaker)

“Inter-generational leadership.” **Oregon Society of American Foresters Leadership Conference**, January 31 – February 1, 2020. Vancouver, WA. (Panelist)

“Wildland Fire and Firesheds.” **Science Pub**, November 18, 2019. Coos Bay, OR (Speaker)

“Quantifying resiliency in dry forest of the American West.” **Western Environmental Law Center** webinar, October 1, 2019. (Speaker/Panelist)

“A primer on wildland fire in the West.” **Benton County Republican Women**, April 23, 2019. Corvallis, OR. (Speaker)

“Fear of Fire.” **Oregon Society of American Foresters Annual Meeting**, April 18, 2019. Lebanon, OR. (Speaker and Moderator)

“Training foresters for a changed world.” **Portland Chapter of the Society of American Foresters**, April 15, 2019 in Portland, OR. (Speaker)

“Environmental impacts of wildfires: the larger story of the Eagle Creek Fire – one year later.” **Washington County Master Gardeners**, March 5, 2019 in Beaverton, OR. (Speaker)

“Adapting to climate and wildfire in southwestern Oregon.” **Umpqua Society of American Foresters**, February 21, 2019. Roseburg, OR. (Speaker)

“Advocacy and telling our story.” **Oregon Society of American Foresters Leadership Conference**, February 1-2, 2019. Troutdale, OR. (Speaker and Panelist)

“Wildland fire behavior and steep slopes.” **Central Oregon Forest Stewardship Foundation**, November 7, 2018 in Bend, OR. (Speaker)

“Wildfire in the West: the good, the bad and the ugly.” **OSU-Cascades Discover Day**, October 13, 2018 in Bend, OR. (Speaker)

“Professional engagement in a disengaged world.” **Oregon Society of Radiological Technologists**, September 9, 2018 in Diamond Lake, OR. (Speaker)

“Wildfire: Oregon then, now and future projected.” **Leadership Corvallis**, May 10, 2018 in Corvallis, OR. (Speaker and Panel member)

“Managing for landscape resilience.” **Fire Summit**, March 1-2, 2018 in Portland, OR. (Panel leader and speaker)

“Proactive and sustainable silviculture to achieve multiple objectives: Re-establishing the fundamentals as we march toward an uncertain future.” **Southern Interior Silviculture Committee (SISCO) winter workshop**, February 14, 2018 in Kamloops, BC, and **Wildfire and Climate Change Conference**, June 25-28, 2018 in Nelson, BC. (Speaker/Panelist)

“Environmental impacts of wildfires: the larger story of the Eagle Creek Fire.” **Clackamas County Master Gardeners**, February 12, 2018 in Milwaukie, OR, and Portland Community College **Senior Studies Institute**, April 17, 2018 in Portland, OR. (Guest Speaker)

“The whole story of Oregon’s 2017 wildfire season.” **Oregon Leadership Summit**, December 4, 2017 in Portland, OR. (Panelist)

“Forestry and mitigating risks.” **SAF National Convention “Policy and Popcorn” Session**, November 16, 2017 in Albuquerque, NM. (Panelist)

“Air quality impacts of wildfires: Perspectives of key stakeholders.” **House Subcommittee on the Environment**, October 4, 2017 in Washington DC. (Congressional Testimony)

“Wildfire management in the new age.” **Washington DNR - Wildland Fire Advisory Committee**, August 23, 2017 in Cle Elum, WA. (Speaker)

“Adaptive management in mixed-severity, fire-prone landscapes.” **Umpqua Forest Collaborative community meeting**, April 6, 2017 in Roseburg, OR. (Speaker/Panelist)

“Restoring mixed-severity, fire-prone landscapes.” **Northwest Scientific Association 2017 Annual Meeting**, March 30, 2017 in Ashland, OR. (Speaker)

“The true cost of wildfire.” **Foresters Forum**, February 9, 2017 in Coeur d’Alene. (Speaker)

“New realities in fire management: Climate, landscapes and collaboratives.” **Wasco Forest Collaborative**, November 16, 2016 in Wamic, OR. (Speaker)

“Rethinking our relationship with fire.” **High Desert Museum**, October 13-14, 2016 in Bend, OR. (Speaker and Trainer)

“Fire ecology and climate change in Central Oregon – implications for land management.” **Union of Concerned Scientist**, September 27, 2016 in Bend, OR. (Panelist)

“Translating fire science and ecology – the Grand Canyon experience.” **North Rim Interpretative Center**, August 22, 2016 in Jacob Lake, AZ. (Speaker)

“Fire management in a changing world.” **AFoCo Fire Management Training**, May 26, 2016 in Bangkok, Thailand. (Speaker and Panelist)

“Fire history and fire ecology in Central Oregon – implications for land management and living sustainably.” **High Desert Museum**, March 5, 2016 in Bend, OR. (Speaker)

- “Training the next generation of foresters for a changed world.” **Portland Chapter of the Society of American Foresters**, February 22, 2016 in Portland, OR. (Speaker)
- “Sustainable forest management practices ...or why is there smoke in my blue sky.” **Frontiers in Science Series – Sisters Science Club**, April 21, 2015 in Sisters, OR. (Speaker)
- “Silvicultural treatments to develop stand structure.” **Mary’s Peak Chapter of the Society of American Foresters**, February 5, 2015 in Albany, OR. (Speaker)
- “*Living with Fire*” **Pacific Northwest Science and Management Team Retreat**, June 5-6, 2014 in Skamania, WA. (Speaker)
- “Ecological forestry and fire management – draining the biomass reservoir” **Central Oregon Fire Science Symposium**, April 8-9, 2014 in Bend, OR. (Speaker)
- “Climate change and wildland fire: It is a good day to burn!” **Foresters Forum**, February 5-7, 2014 in Coeur d’Alene, ID. (Speaker)
- “Mixed-conifer fire behavior and silviculture.” **Restoring and Managing Mixed Conifer Forests in the Pacific Northwest**, April 15, 2013 in Hood River, OR. (Speaker and Panel Member)
- “On ecological effects of wildfires: experiences in the western U.S.” **Sveriges Lantbruksuniversitet, Mark och Miljö Lecture**, March 20, 2013 in Uppsala, Sweden. (Visiting Scientist)
- “Forest restoration and biomass utilization as a partnership in the Pacific Northwest U.S.” **Sveriges Lantbruksuniversitet, Focus on Soil and Water Graduate Seminar**, March 18, 2013 in Uppsala, Sweden. (Visiting Scientist)
- “Early- and late-seral successional stand conditions in fire-prone mixed-conifer forests of the western U.S.” **Universidad de Valladolid**, February 27, 2013 in Palencia, Spain. (Visiting Lecturer)
- “Stand density management and thinning – Pacific Northwest-style.” **University of Florida, Visiting Lecture**, February 8, 2013 in Gainesville, FL. (Visiting Lecturer)
- “Balancing early- and late-seral successional stand conditions in fire-prone forest types.” **4th International Association of Wildland Fire – Fire Behavior and Fuels Conference**, February 20, 2013 in Raleigh, NC. (Speaker)
- “Fire regimes in dry mixed-conifer ecosystems of the West: balancing early- and late-seral stand conditions for the broadest services.” **Joseph W. Jones Ecological Research Center, Visiting Scientist Seminar**, February 6, 2013 in Ichauway, GA. (Speaker)
- “A framework for evaluating the impact of climate change on northern spotted owl habitat in dry forest types.” **Biological and Environmental Engineering Fall Seminar Series**, November 21, 2012 in Corvallis, OR. (Speaker)
- “Stocked stands to standing stocks: sustainable forest management and bioenergy.” **Pacific Northwest Biomass Symposium**, November 12, 2012 in Seattle, WA. (Speaker)

- “Multi-aged management in Douglas-fir: recruiting and managing the future forest.” **Emerald Chapter of the Society of American Foresters**, October 16, 2012 in Springfield, OR. (Speaker)
- “Silvicultural prescriptions for northern spotted owl habitat sustainability in dry mixed-conifer ecosystems.” **USFW Workshop**, September 5-7, 2012 in Hood River, OR. (Participant)
- “Fire ecology in ponderosa and lodgepole forest types: where the eco-margins blur.” **Central Oregon Fire Science Symposium**, April 17, 2012 in Bend, OR. (Speaker)
- “Restoration and Silvicultural Interventions.” **Region 6 Annual Silviculture Workshop**, November 8, 2011 in Bend, OR. (Speaker)
- “Silvicultural interventions in dry mixed-conifer forests.” **Forest Restoration beyond Fuels Treatment: What is the Vision?** Central Oregon Chapter of the Society of American Foresters, October 12-14, 2011 in Bend, OR. (Speaker)
- “Fanning the Flames.” **Destination OSU – Foundation Alumni Gathering**. February, 2011 in Palm Springs, CA. (Keynote)
- “Breaking the Fire Cycle.” **Vegetation Management Conference**. January, 2011 in Redding, CA. (Co-presenter with M. Newton)
- “Where there’s smoke...” **OSU Science Pub**. October, 2010 in Corvallis, OR and December, 2010 in Bend, OR. (Featured Speaker)
- “Fire Use” **Traditional Ecological Knowledge in Ecosystem Sustainability Conference**. May 14, 2010 in Corvallis, OR. (Speaker)
- “Past, present and future fires in Oregon” **Forest Health in Oregon: State of the State**. February 24, 2010 in Corvallis, OR. (Keynote Speaker)
- “Creating stand-level prescriptions to integrate ecological and fuel management objectives for dry-forests of the eastern Cascade Range” **Dry Forest Landscape Workshop**. October 13-15, 2009 in Redmond, OR. (Speaker, Facilitator)
- “Dry-conifer ecology and silviculture in western Oregon” **Central Cascades Adaptive Management Partnership Training Session**. May 28, 2009 in Springfield, OR. (Speaker)
- “How do we make the tough density management decisions? A process for dissecting and addressing the density management issues of biology, mensuration, operations and economics” **Western Forestry and Conservation Association**. April 8, 2009 in Portland, OR. (Speaker and Moderator)
- “Fire and fuels management for silviculturists” **National Advanced Silviculture Program**. March 16-17, 2009 in Knoxville, TN. (Instructor and Field Trip Leader)
- “Changing policies and the role of fire suppression and forest restoration in Oregon forests” **Institute for Natural Resources and Oregon Department of Forestry Seminar Series**. March 13, 2009 in Corvallis, OR. (Organizer, Moderator and Speaker)

- “Taylor Woods: the power of density management” **Fort Valley Experimental Forest Centennial Celebration**. August 7-9, 2008, in Flagstaff, AZ. (Tour leader)
- “Designing prescriptions for uneven-aged management: from overstory harvest to free-to-grow ...recruiting and managing the next cohort of crop trees” **Western Forestry and Conservation Association**. March 27, 2008 in Vancouver, WA. (Speaker)
- “The role and management of legacy structures in western Oregon forests” **Oregon Department of Forestry Silviculture Group**. December 13, 2007 in Philomath, OR. (Speaker)
- “Environmental leadership, the Society, and educating the future forester” **Society of American Foresters National Convention, Student Orientation – Keynote Address**. October 23, 2007 in Portland, OR. (Keynote Speaker)
- “Natural Processes Disruption on Federal Forest Lands” **Governor’s Federal Forestland Advisory Committee**. September, 2007 in Salem, OR. (Speaker and Panelist)
- “Effective silviculture for uncertain times in the Pacific Northwest” **Bureau of Land Management Silviculture Working Group**. June, 2007 in Salem, OR. (Speaker)
- “Integrating science and experience into silvicultural prescriptions and forest research” **Central Cascades Adaptive Management Partnership workshop**. June, 2007 in Vancouver, WA. (Panel)
- “Definition, goals and principles of biodiversity conservation in a changing climate” **Governor’s Oregon Biodiversity and Ecosystem Climate Change Preparation meeting**. June, 2007 in Salem, OR. (Panel)
- “Post-fire stand recovery and implications for effective silviculture” **The Scientific Foundations of Post-fire Policy: New Findings, New Ideas: A Workshop**. March, 2007 in Corvallis, OR. (Panel)
- “Thinning for fire risk reduction in site specific projects and across the regional landscape” **Land, Air and Water - Environmental Law Conference**. March 2007 in Eugene, OR (Panel)
- “The effects of fire and fire surrogate treatments for ecological restoration: A national perspective” **3rd International Fire Ecology and Management Congress**. November, 2006 in San Diego, CA. (Panel Co-Chair and Speaker)
- “New silvicultural approaches for the American Southwest” **Conserving and Restoring Frequent Fire Landscapes of the West: Linking Science, Collaboration and Practice**. October, 2006 in Flagstaff, AZ. (Panel Chair; Speaker; and Field Trip Leader)
- “Thinning for old-growth structure and spotted owl habitat” **Activist Thinning Tour, Gifford Pinchot National Forest**. October, 2006 outside Vancouver, WA. (Tour leader)
- “Contrasting northern Arizona juniper savannas and woodlands” **Workshop on Historical Fire Regimes in Pinyon-Juniper Woodlands**. August, 2006 in Boulder, CO. (Panel member)
- “Silvicultural Practices supporting northern spotted owl habitat in dry forest ecosystems” **USF&W, USDA Forest Service and BLM workshop**. May, 2006 in Ashland, OR. (contributor)

- “Restoration or salvage: the good, the bad and the ugly of western wildfires in the 21st Century” **OSU Fisheries and Wildlife Departmental Seminar**. April, 2006 in Corvallis, OR. (Speaker)
- “Pre-fire fuels treatment effects: preliminary results from the national fire and fire surrogates study” **Spotlight on Science – FS/BLM/F&W Interagency Seminar**. March, 2006 in Portland, OR. (Panel member and Speaker)
- “Forest management effects on microclimate, bud burst, and leaf nutrition in industrial Douglas-fir plantations” **Northern Arizona University Seminar Series**. September, 2005 in Flagstaff, AZ. (Speaker – sabbatical presentation)
- “Restoring Southwestern Ponderosa Pine Forests with Multi-aged Group Selection Silviculture: the Good, the Bad and the Ugly” **Oregon State University**. March, 2005 in Corvallis, OR. (Interview)
- “Stand Structure and Ecological Restoration” **Ecological Restoration Institute – Short Course**. April, 2003 in Flagstaff, AZ. (Panel member, Speaker, and Tour leader)
- “Sustainable Forest Management in the Semi-arid Southwest: Amazing parallels to the “non-arid” Northwest” **USFS Pacific Northwest Research Station**. March, 2003 in Olympia, WA. (Speaker)
- “Centennial Forest: Forest Resource Enterprise Center (FREC)” **Four Corners Steering Committee meeting**. March, 2003 in Albuquerque, NM. (Speaker)
- “Reconstructing Pre-European Woodlands” **Northern Arizona University - Forest Service Chief briefing**. January, 2003 in Flagstaff, AZ.
- “A Forest Story” **Northern Arizona University Program in Community, Culture and Environment**. Spring and Fall of 2002 in Flagstaff, AZ. (Panel member)
- “Changing the Paradigm: Sustainable Forestry for the New West” **Denali Foundation Lecture Series**. August 17, 2001 in Denali, AK. (Speaker)
- “*Foresteria Sostenible*: Sustainable Forest Management in the Semi-arid Southwest” **Humboldt State University Natural Resources Seminar**. May 11, 2001 in Arcata, CA. (Speaker)
- “Forests and Sustainable Forest Management in the Southwest: 1900 to 2000” **Society of American Foresters – National Convention**. November 16-20, 2000 in Washington, DC. (Speaker)
- “Changing the Paradigm: Sustainable Forestry for the Intermountain West” **Laird Norton Endowment Foundation Seminar Series**. May 3, 2000 in Flagstaff, AZ. (Concluding Speaker)
- “Sustainable Forestry in Southwestern Ponderosa Pine Forests IS Multi-aged, Group Selection Management” **Southwestern Society of American Foresters – Section Meeting**. March 23-25, 2000 in Show Low, AZ. (Speaker)
- “Forest Resources Assessment for the Four Corners Sustainability Initiative” **Four Corners Sustainability Initiative Roundtable**. August 23-25, 1999 in Taos, NM. (Speaker)
- “Regeneration Goals for Southwestern Ponderosa Pine Ecosystem Restoration”. **2nd North American Forest Ecology Workshop**. June 27-30, 1999 in Orono, Maine. (Speaker)

"21st Century Forestry – What's Old and What's New". **New West Conference**. June 11-12, 1999 in Flagstaff, AZ. (Panelist and Speaker)

"Thinning Fundamentals and Vegetation Responses: Understory Response and Regeneration". **Symposium on Thinning in Westside Forests**. April 1, 1997 in Newport, OR. (Speaker)

"Ecosystem Restoration and Conservation: Understory Development and Bird Habitat in Second-Growth Douglas-fir". **Planted Forest Symposium**. June 29, 1995 in Portland, OR. (Speaker)

"Habitat Management and Animal Responses at a Stand Scale". **Managing Forest Stands and Landscapes for Ecosystem Values**. March 29, 1995 in Corvallis, OR. (Speaker)

"Visual Damage Assessment in North American Forests". **European Visual Damage Survey Standardization Training**. July 1987 in Freiburg, West Germany. (Panelist and Speaker)

LEGISLATIVE AND GOVERNMENTAL TESTIMONY

Federal: October 4, 2017; House Subcommittee on Environment – Energy and Commerce

State: September 25, 2018; House Committee on Energy and the Environment
December 14, 2018; House Committee on Agriculture and Natural Resources
February 27, 2019; Legislative Fire Caucus
November 7, 2019; Board of Forestry

REFEREED PUBLICATIONS

Summary statistics as of February 2019:

h-index: 29

i10-index: 48

3356 total citations

MOST COMMONLY PUBLISHED: *Forest Ecology and Management* (Impact: 3.17) ranks 5th of 132 forestry journals internationally; *International Journal of Wildland Fire* (Impact: 2.5) ranks 7th.

61 – Dunn, C., J. Johnston, M. Reilly, J. Bailey, and R. Miller. 2020. How does tree regeneration respond to mixed-severity fire in the western Oregon Cascades, USA? *Ecosphere* 11(1), e03003

60 - Tweedy, P., K.M. Moriarty, J. D. Bailey, and C. Epps. 2019. Using fine scale resolution vegetation data from LiDAR and ground-based sampling to predict Pacific marten resting habitat at multiple spatial scales. *Forest Ecology and Management* 452:117556.

<https://doi.org/10.1016/j.foreco.2019.117556>

59 - Matosziuk, L., Y. Alleau, B. Kerns, J. Bailey, M. Johnson, and J. Hatten. 2019. Effects of season and interval of prescribed burns on pyrogenic carbon in ponderosa pine stands in the southern Blue Mountains, Oregon, USA. *Geoderma* 348:1-11.

- 58 - Petitmermet, J., J. Sessions, J., J. Bailey, and R. Zamora-Cristales. 2019. Cost and productivity of tethered cut-to-length systems in a dry forest fuel reduction treatment: a case study. *Forest Science* 65(5):581-592. doi: 10.1093/forsci/afx010
- 57 - Sessions, J., D. Smith, K. Trippe, J. Fried, J. Bailey, J. Petitmermet, W. Hollamon, C. Phillips and J. Campbell. 2019. Can biochar link forest restoration with commercial agriculture? *Biomass and Bioenergy* 123:175-185.
- 56 - Alcasena Urdiroz, F.J., A.A. Ager, J.D. Bailey, N. Pineda, and C. Vega-Garcia. 2019. Towards a comprehensive wildfire management strategy for Mediterranean areas: Framework development and implementation in Catalonia, Spain. *Journal of Environmental Management* 231:303-320.
- 55 - Donager, J.J., T.T. Sankey, J.B. Sankey, A.J. Sanchez Meader, A.J. Springer, and J.D. Bailey. 2018. Examining forest structure with terrestrial LiDAR: suggestions and novel techniques based on comparisons between scanners and forest treatments. *Earth and Space Science* 5(11): 753-776 <https://doi.org/10.1029/2018EA000417>
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KATU news and beyond: October 27, 2017. <http://katu.com/news/local/experts-we-must-change-the-way-we-view-wildfire-and-fight-it>

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The Daily Yonder (newspaper): October 20, 2017. <http://www.dailyyonder.com/california-conflagration-prompts-calls-wildfire-funding-fix/2017/10/20/21921/>

The Daily Barometer: October 16, 2017. http://www.orangemedianetwork.com/daily_barometer/osu-researchers-respond-to-oregon-wildfires/article_4c334a90-b205-11e7-a6e7-cb4fb5bc11ba.html

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The Stranger: October 11, 2017. <https://www.thestranger.com/slog/2017/10/09/25459828/good-news-oregons-eagle-creek-fire-wasnt-that-bad-afterall>

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The Stranger: October 9, 2017. <https://www.thestranger.com/slog/2017/10/09/25459828/good-news-oregons-eagle-creek-fire-wasnt-that-bad-afterall>

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The Bend Bulletin: September 27, 2017. <http://www.bendbulletin.com/localstate/5624575-151/federal-fire-suppression-memo-sees-mixed-response>

OregonLive – The Oregonian: September 24, 2017. http://www.oregonlive.com/wildfires/index.ssf/2017/09/flight_over_eagle_creek_fire_r.html and <https://www.outsideonline.com/2250021/eagle-creek-fire-damage> and later: https://www.facebook.com/craglaw/videos/10154790701931853/?hc_ref=ARQlbpDmT_Ob37_nghnTrQQkVSQROCTbxYi42MjB8tferMa0nJ7QZuHpf1jD_z6SQ&fref=nf

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OregonLive – The Oregonian newspaper: September 9, 2017.
http://www.oregonlive.com/wildfires/index.ssf/2017/09/its_a_fiery_year_in_oregon_but.html

Capital Press and Honolulu Star Advertiser (AP): September 7, 2017.
<http://www.staradvertiser.com/2017/09/07/breaking-news/amid-raging-wildfires-fire-management-practices-criticized/>

KVAL news (AP): September 7, 2017. <http://kval.com/news/local/oregon-lawmaker-restrictions-on-logging-to-blame-for-raging-wildfires>; and KATU news: September 7, 2017.
<http://katu.com/news/local/lawmaker-says-restricted-logging-fuels-oregons-raging-fires>

KATU news: September 7, 2017. <http://katu.com/news/connect-to-congress/growing-wildfires-spark-debate-over-forest-management-federal-funding>

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<http://wildfireinthewest.blogspot.com/2017/08/rethinking-wildfire-ecological.html>

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The Conversation: August 11, 2015. <https://theconversation.com/profiles/john-bailey-180900/articles>; picked up by https://m.theepochtimes.com/from-smokey-bear-to-climate-change-the-future-of-wildland-fire-management_1718081.html

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KTVZ news interview (Bend, OR): April 1, 2014. <http://www.ktvz.com/news/bend-symposium-to-study-wildfire-science-impacts/68574085>

The Bulletin newspaper (Bend, OR): September 1, 2013.
<http://www.bendbulletin.com/apps/pbcs.dll/article?AID=/20130901/NEWS01/309010385/0/SEARCH&template=print>

Wildfire Magazine. June 2013. Burning toward uncertainty.
<https://www.iawfonline.org/article/after-action-burning-uncertainty/>

Science Daily: July 24, 2012. <https://www.sciencedaily.com/releases/2012/07/120724144530.htm>

Science Daily: March 3, 2010. <https://www.treehugger.com/natural-sciences/research-suggests-frequent-fires-could-help-forest-ecosystems.html>

Gazette Times newspaper: February 24, 2010. http://www.gazettetimes.com/news/local/osu-researcher-fires-in-forest-valuable/article_afa3ddf2-216b-11df-b888-001cc4c03286.html

The Daily Barometer: April 9, 2007.
http://www.orangemedianetwork.com/daily_barometer/uncategorized/committee-to-review-bacc-core/article_79b0060e-9b9a-5d77-9e92-646f477c3d39.html

TV talk show: “Déjà vu: The Coming of the Flagstaff Fire Season”. **First Friday Colloquia**. April 27, 1999 in Flagstaff, AZ.

TV talk show: “Silviculture and the New Forestry”. **First Friday Colloquia**. November 6, 1998 in Flagstaff, AZ.

SUBMITTED PRESENTATIONS, POSTERS AND PROCEEDINGS

- J. Bailey. 2019. Restoring ponderosa pine age/size structure across productivity classes using multi-aged group selection approaches. Presentation at: **Society of American Foresters National Convention**, November 2 in Louisville, KY.
- F. Alcasena, A. Ager, J. Bailey and C. Vega. 2017. Wildfire risk management on large Mediterranean landscapes. Presentation at: **IV International Congress on Risks**, May 23-26, Coimbra, Portugal.
- A. Taylor and J. Bailey. 2016. Understory vegetation dynamics and midstory development treatment. Presentation at: **Society of American Foresters National Convention**, November 3-5 in Madison, WI.
- J. Bailey and A. Stamper. 2016. Oregon’s Prescribed Fire Council: working in the future with prescribed burning and managed wildfire. Poster at: **Central Oregon Fire Science Symposium – Northwest Science Association Annual Meeting**, March 23-26 in Bend, OR, and the **International Association of Wildland Fire - Fuels Conference**, April 12-14 in Portland, OR.
- R. Miller, J. Johnston and J. Bailey. 2016. Monitoring upland forest restoration treatment on the Malheur National Forest. Presentation at: **SER Monitoring Ecological Restoration Conference**, April 4-8 in Portland, OR.
- J. Johnston and J. Bailey. 2016. Successional accretion along a productivity gradient following fire exclusion in the southern Blue Mountains, Oregon, USA. Poster at: **Central Oregon Fire Science Symposium – Northwest Science Association Annual Meeting**, March 23-26 in Bend, OR.
- K. Moriarty, S Matthews, T. Levi, J. Thornton, J. Bailey, M. Linnell and B. Barry. 2016. If we build it, will they come? ... considerations for marten and fisher monitoring. Presentation at: **Oregon Chapter – The Wildlife Society**, February 3-5 in Seaside, OR.
- K. Morici and J. Bailey. 2015. Fuel treatment longevity in the Blue Mountains of Oregon. Poster at: **Western Forestry Graduate Student Symposium**, April 27-28 in Corvallis, OR, and **Association for Fire Ecology**, November 16-20 in San Antonio, TX.

- J. Bailey and T. Huff. 2014. Structural development of Douglas-fir stands using two-story management and small gaps. Presentation at: **Society of American Foresters National Convention**, October 8-11 in Salt Lake City, UT.
- J. Bailey. 2014. Overuse and misuse of “thinning” in modern silviculture. Presentation at: **Society of American Foresters National Convention**, October 8-11 in Salt Lake City, UT.
- G. Meigs, R. Kennedy, J. Bailey, and M. Reilly. 2014. Contemporary megafires in the Pacific Northwest: What drives the biggest of the big? Presentation at: **Central Oregon Fire Science Symposium**. April 8 in Bend, OR.
- K. Moriarty, C. Epps, M. Betts, J. Bailey, D. Hance and W. Zielinski. 2014. Forest structure, season and incentive influence marten movement and patch use. Presentation at: **Western Section - Wildlife Society**, January 30 in Reno, NV, *and Oregon Wildlife Society Annual Conference*, in Bend, OR.
- J. Jarnaghan and J. Bailey. 2013. IFMAT-III: the third independent assessment of the status of Indian forests and forestry. Presentation at: **Society of American Foresters 2013 Annual National Convention**. October 23-26 in Charleston, SC.
- K. Vogler and J. Bailey. 2013. Quantifying the availability of woody biomass from forest health and fuel reduction thinning within the NARA region. Poster at: **Northwest Advanced Renewables Alliance 2013 Annual Meeting**, September 10-12 in Corvallis, OR.
- J. Bailey. 2012. Scaling up our understanding of fire risk and fuels management. Special session lead presentation at: **Association for Fire Ecology 5th International Fire Ecology and Management Congress**, December 3-7 in Portland, OR.
- K. Vogler and J. Bailey. 2012. Quantifying the availability of woody biomass from fuel reduction and forest health thinning on federally-owned land in the northwestern US. Poster at: **Association for Fire Ecology 5th International Fire Ecology and Management Congress**, December 3-7 in Portland, OR.
- Dunn, C., E. Comfort, J. Bailey, J. Franklin, and K. Johnson. 2012. “To Restore or Re-story? That is the Question. Improving Resiliency in Coupled-Human Ecological Systems”. Presentation at: **Association for Fire Ecology 5th International Fire Ecology and Management Congress**, December 3-7 in Portland, OR.
- J. Bailey. 2012. A broader context for intervention silviculture and fuels management. Poster at: **Society of American Foresters National Convention**, October 24-27 in Spokane, WA.
- J. Bailey, S. Brubaker-Cole, W. Bogley and M. Koretsky. 2012. Contrasting student values about general education vs. major courses: differences among majors, sexes, and standing. Presentation at: **9th Biennial University Educators in Natural Resources Conference**, March 22-24 in Fort Collins, CO.
- C. Dunn and J. Bailey. 2011. Improved Estimates of Carbon Emissions from CWD Following Fire Disturbance. Presentation at: **Association for Fire Ecology Interior West Conference**, November 14 in Snowmass, UT.

- E. Comfort, C. Dunn, and J. Bailey. 2011. Fire Regimes, Forest Change and Restoration of Forested Landscapes in the Middle Applegate Watershed, Oregon. Presentation at: **Association for Fire Ecology Interior West Conference**, November 14 in Snowmass, UT.
- E. Comfort and J. Bailey 2011. The implications of fuel heterogeneity at management boundaries for fire behavior and wildlife habitat in the Elk Creek Watershed, Oregon. Poster at: **Association for Fire Ecology Interior West Conference**, November 14 in Snowmass, UT.
- E. Comfort, C. Dunn, and J. Bailey. 2011. Disturbance-based Restoration Strategies in Dry-mixed Conifer/Hardwood Forests of Southern Oregon's Siskiyou Mountains. Presentation at: **Missoula Fire Lab Fall Seminar Series**, November 10 in Missoula, MT.
- M. Vanderberg, K. Boston and J. Bailey. 2011. Maximizing carbon storage in the Appalachians: a method for considering the risk of disturbance events. Presentation at: **17th Central Hardwood Forest Conference**, with published proceedings - GTR-NRS-P-78:134-142.
- S. Khanna, S. Rivera-Mills, L. Becker, V. Tolar Burton, J. Bailey, A. Davis-White Eyes, R. Sanderson and J. Walkin. 2011. Global Learning Action Plan. Presentation at: **Association of American Colleges and Universities Shared Futures: General Education for a Global Century**, July 31-August 5 in Ellicott City, MD.
- S. Brubaker-Cole, W. Bogley and J. Bailey. 2011. Committing to General Education Reform: Beyond Dysfunctional *Ad Hoc* Committees. Presentation at: **Association of American Colleges and Universities – General Education and Assessment 3.0: Next-level Practices Now**, March 3-5 in Chicago, IL.
- C. Dunn and J. Bailey. 2010. Snag Fall, Coarse Wood Decomposition, and Fine Fuel Succession Following High-Severity Fire in Dry-mixed Conifer Forests of Oregon's Cascades. Presentation and poster at: **International Association of Wildland Fire 3rd Fire Behavior and Fuels Conference**, October 27 in Spokane, WA.
- E. Comfort and J. Bailey. 2010. Fuel heterogeneity at stand boundaries in the Elk Creek watershed of southern Oregon. Poster at: **International Association of Wildland Fire 3rd Fire Behavior and Fuels Conference**, October 27 in Spokane, WA.
- C. Dunn and J. Bailey. 2010. Post-fire Fuel Dynamics and Future fire Severity in Dry-mixed conifer Forests of Oregon's Cascades. Presentation at: **Central Oregon Fire Science Symposium**, April 12 in Bend, OR.
- J. Bailey. 2010. General education trends: implications for forestry and other professional program students. Presentation at: **8th Biennial University Educators in Natural Resources Conference**, March 19-21 in Blacksburg, VA.
- C. Dunn and J. Bailey. 2009. Post-fire Fuel Dynamics and Future fire Severity in Dry-mixed conifer Forests of Oregon's Cascades. Presentation at: **Association for Fire Ecology's International Congress on Fire Ecology and Management: Fire as a Global Process**, December 12 in Savannah, GA.
- J. Bailey and E. Comfort. 2009. Balancing fire risk and northern spotted owl recovery in dry mixed-conifer forests in southern Oregon. Presentation at: **Society of American Foresters National Convention**, October 3 in Orlando, FL.

- C. Dunn and J. Bailey. 2008. Fuel Succession Following High Mortality Wildfire in Eastern Slope Cascade Mixed-Conifer Forests of Oregon. Poster presentation at: **"The '88 Fires: Yellowstone and Beyond" - International Association of Wildland Fire**, September 12 in Jackson Hole, WY.
- A. Landis and J. Bailey. 2008. Diablo Trust pinyon-juniper restoration sites: restoring structure to woodlands and savannas, **USDA Forest Service RMRS-P-51:141**.
- J. Bailey. 2008. Forty years later at Taylor Woods: Merging the old and new. Poster presentation at: **Fort Valley Experimental Forest Centennial Celebration**, August 7-9 in Flagstaff, AZ. **USDA Forest Service RMRS-P-53CD**.
- J. Bailey. 2008. Singing in the rain: uses and misuses of field labs in natural resources education. Presentation at: **7th Biennial University Educators in Natural Resources Conference**, March 13-15 in Corvallis, OR.
- H. Hampton, S. Sesnie, B. Dickson, J. Rundall, G. Snider, J. Bailey and T. Sisk. 2007. Building agreement on and estimating the supply of restoration-based sources of small diameter wood in northern Arizona. Presentation at: **9th Biennial Conference of Research on the Colorado Plateau**, November 7-10 in Flagstaff, AZ.
- J. Bailey and M. Konoshima. 2007. Modeling temporal dynamics to fuels management treatments. Poster presentation at: **2nd International Fire Behavior and Fuels Conference**, March 26-30 in Destin, FL.
- M. Konoshima, H. Albers and J. Bailey. 2007. Efficient landscape fire risk management: A spatial endogenous risk framework. Poster presentation at: **2nd International Fire Behavior and Fuels Conference**, March 26-30 in Destin, FL.
- J. Bailey, S. Haase, J. McIver and C. Edminster. 2006. Silvicultural effectiveness of Fire and Fire Surrogate fuels treatments in western ponderosa pine forests. Oral presentation at: **3rd International Fire Ecology and Management Congress**, November 13-17 in San Diego, CA.
- M. Irwin, J. Bailey, and A. Finkral. 2006. Initial understory response to treatments and slash arrangements in the pinyon-juniper woodlands of northern Arizona. Poster presentation at: **Conserving and Restoring Frequent Fire Landscapes of the West: Linking Science, Collaboration and Practice**, October, 2006 in Flagstaff, AZ.
- J. Bailey and C. Edminster. 2005. Fire and Fire Surrogate research: program overview and overstory vegetation dynamics in northern Arizona. Oral presentation at: **8th Biennial Conference of Research on the Colorado Plateau**, November 7-10 in Flagstaff, AZ.
- K. Sabo, C. Seig, J. Bailey and S. Hart. 2005. Allocation of woody and herbaceous biomass in ponderosa pine stands varying in stand structure and burn history. Poster presentation at: **8th Biennial Conference of Research on the Colorado Plateau**, November 7-10 in Flagstaff, AZ.
- F. Hassler and J. Bailey. 2005. Dynamics of juniper invaded grasslands and old-growth woodlands in and near Wupatki National Monument, northern Arizona. Oral presentation at: **8th Biennial Conference of Research on the Colorado Plateau**, November 7-10 in Flagstaff, AZ.

- R. Linn, J. Bailey and C. Edminster. 2005. Using a physics-based wildfire behavior model to guide fuels management at wildland-urban interfaces. Poster at: **Wildland Fire Conference**, February 16-18 in Albuquerque, NM, *and* **National Silviculture Workshop**, June 6-10 in Lake Tahoe, NV.
- B. Dickson, Y. Xu, H. Hampton, J. Prather, J. Palumbo, J. Bailey, W. Romme, and T. Sisk. 2005. Spatial Tools for Predicting the Effects of Fuels and Restoration Treatments on Forested Landscapes. Southwest Section meeting of the **Society of American Foresters**, May 11-13 in St. George, UT.
- N. McDowell, H. Adams, J. Bailey, T. Kolb, D. Falk. 2005. Using stable isotopes of tree rings to assess physiological response to disturbance. In: *Stable isotope analysis of trees: new methods, new uses*. Special session of the **American Association of Geography**, April 20 in Denver, CO.
- S. Stevens and J. Bailey. 2005. Changes in Forest Structure and Resulting Fire Behavior as a Consequence of Fire and Fire Surrogate Treatments in Ponderosa Pine Forests of Northern Arizona. Poster presentation at: **2005 Wildland Fire Conference**, February 16-18 in Albuquerque, NM.
- J. Bailey and C. Harrington. 2004. How does cold temperature impact field phenology of Douglas-fir in western, Washington, USA. Oral presentation at: **Ecological Society of America 89th Annual Meeting**, August 5 in Portland, OR.
- J. Bailey, J. Smith and C. Miller. 2003. Centennial Forest: Restoring forests with multi-aged group selection management. Oral presentation at: **Southwest Fire Initiative Conference**, April 29 in Flagstaff, AZ.
- J. Bailey and T. Kolb. 2002. Teaching silvics: student performance and evaluations in web-based and traditional classroom courses. Oral presentation at: **4th Biennial Conference on University Education in Natural Resources**, March 14-17 in Raleigh, NC.
- E. Brischler and J. Bailey. 2002. Size distribution, spatial arrangement and habitat value of *Quercus gambelii* in northern Arizona pine-oak stands. Poster presentation at: **Rocky Mountain Ecosystems: Diversity, Complexity and Interactions**, July 15-19 in Pullman, WA.
- Z. Chen, J. Bailey, K. Clancey and M. Wagner. 2002. Entomological research on the fire and fire surrogate treatments in Arizona and New Mexico. Poster presentation at: **National Forest Protection Coordination Conference**, April 16-17 in Madison, WI.
- M. Wagner and J. Bailey. 2001. Entomological aspects of long-term large-scale forest health research at Northern Arizona University. Presentation at: **Boreal Odyssey (Volume 54)**.
- J. Bailey and M. Trenam. 2001. Implementing fire and fire surrogate treatments in northern Arizona ponderosa pine forests – changes in stand structure with and after treatment. Oral presentation at: **6th Biennial Conference of Research on the Colorado Plateau**, November 5-9 in Flagstaff, AZ.
- J. Bailey, M. Wagner and J. Smith. 2001. Stand Treatment Impacts on Forest Health (STIFH): Structural responses associated with silvicultural treatments. IN: *Proceedings of the 5th Biennial Colorado Plateau Meeting* (Van Riper *et al.* eds.) **USGSFRES/COPL/2001/24**, pp.137-146. (14 citations)
- S. Sesnie and J. Bailey. 2001. Testing the Forest Vegetation Simulator (FVS) for assessing forest health conditions on the Kaibab Plateau of northern Arizona. Poster presentation at: **IUFRO Forest Modeling for Ecosystem Management, Forest Certification and Sustainable Management**, August 12-17 in Vancouver, BC.

- J. Bailey, P. Parysow, M. Wagner and M. Paz. 2000. Tropical Forestry Short Course with Field Experience in Honduras. Poster presentation at: **Society of American Foresters – National Convention**, November 16-20 in Washington, DC.
- B. Kerns and J. Bailey. 2000. Examination of understory huckleberry species abundance in old-growth, thinned and unthinned Douglas-fir stands of western Oregon. Poster presentation at: **Ecological Society of America**, 85th Annual Meeting, August 6-10 in Snow Bird, UT.
- M. Moore, J. Bailey, P. Parysow, B. Fox, S. Andariese, J. Thompson, Y-S Kim, and W. Zipse. 2000. Information technology across the curriculum in the School of Forestry, Northern Arizona University. Poster presentation at: **3rd Biennial Conference on Higher Education in Natural Resources**, March 25-28 in Columbia, MO.
- J. Bailey, M. Wagner and J. Smith. 1999. Stand Treatment Impacts on Forest Health (STIFH): Structural responses associated with silvicultural treatments. Poster presentation at: **5th Biennial Colorado Plateau Meeting**, October 26-29 in Flagstaff, AZ.
- Mann, S, M. Lowley, M. Wagner, K. Smith and J. Bailey. 1997. Butterfly abundance and diversity under three forest stand conditions in northern Arizona. Poster presentation at: **Entomological Society of America National Meeting**, December 14-18 in Nashville, TN.
- Bailey, J., R. Dixon, and R. Rose. 1991. Ontogeny and ecophysiology of bigleaf maple (*Acer macrophyllum*) in an enriched carbon dioxide environment. IN: **U.S.-India Workshop on UV-B Radiation and Global Climate Change**, January 8-11 in New Delhi, India.
- W. Robarge, J. Bailey and C. Palmer. 1989. The Effect of Air-Drying on the Chemical Analyses of Soils from Spruce-fir Ecosystems. **19th International Symposium on Environmental Chemistry**, May 22-24 in Jekyll Island, GA.
- D. Bachelet, D. Turner, and J. Bailey. 1989. A conceptual model for the growth of a Pacific Northwest forest when subjected to increased UV-B radiation. **7th International Conference on Ecological Modeling**, January 9-13 in Sao Carlos, Brazil.

INTERNATIONAL EXPERIENCE AND COLLABORATION

2019-2020. "Future Leaders in Forest-Based Bioeconomy: Collaborative Professional Development Program." Grant for training modules in Moscow, Russia and Corvallis, Oregon.

May 2016. Bangkok, Thailand. Instructor for a one-week *Thai Royal Forest Department* fire training course, in cooperation with Korea's AFoCo-Landmark program for ASEAN.

October 2015. Seoul, Korea. Visiting Scientist at *Seoul National University* to coordinate on silviculture and fire curriculum. Attended 6th International Wildland Fire Conference and initiated planning for ASEAN training courses.

March 2013. Uppsala, Sweden. Visiting Scientist at: *Sveriges Lantbruksuniversitet*: Coordination on silviculture curriculum, forest restoration and biomass energy research.

February 2013. Palencia, Spain. Visiting Lecturer at: *Universidad de Valladolid*: coordination on silviculture and fire effects research, as well as curriculum development.

August 2011. Ellicott City, MD. AAC&U Global Learning Initiative: Summer Institute training course for curriculum enhancement.

March 2001 - May 2002. Honduras. Sustainable Management of Tropical Forests: short-course with field experience (planning and implementing a 3-week Short Course).

October 1999. Chihuahua, Mexico. Participated in Research and Cultural Exchange, organized by Chihuahua State *Asociacion Mexicana de Profesionales Forestales*.

July 1999. Tlaxcala and Candelaria, Mexico. Research Exchange, funded by USDA Foreign Agricultural Service, Research and Scientific Exchanges Division.

August 1997. Arizona, USA. Assisted in organization of Research and Cultural Exchange with *Asociacion Mexicana de Profesionales Forestales*, organized by Southwestern SAF.

September 1989. Oregon, USA. Organized an International Working Group Meeting on UV-B Radiation Effects on Vegetation (5 nations), funded by U.S. Environmental Protection Agency.

July 1987. Freiburg, Germany. Participated in European Visual Damage Survey Standardization Training (25 nations), funded by USDA Forest Service.

GRANTS RECEIVED

As PI:				TOTAL GRANTS:	\$ 11,094,477	\$ 4,564,374
PI	Co-PIs	Years	Title	Funding Agency	Amount	Competitive
				As PI - GRAND TOTAL:	\$ 9,389,525	\$ 3,161,422
Bailey, J		2007-	National Advanced Silviculture Program: Inventory/Monitoring and Decision Support module.	USDA Washington Office, plus other agencies	\$ 1,570,000	\$ 1,570,000
Bailey, J		2019-	Forest Bioeconomy in Russia - training	U.S. Russia Foundation	\$ 180,207	\$ 180,207
Bailey, J	Dunn, C	2019-	Integrating Wildfire Risk Analytics into Land and Fire Management to Meet Resource Objectives	USDA Forest Service - Rocky Mountain Research Station (D. Calkin)	\$ 170,972	
Bailey, J	Johnston, J	2018-20	Southern Blues CFLRP forest vegetation and fuels multi-party monitoring II	USDA Forest Service - Malheur National Forest	\$ 249,964	
Bailey, J	Dunn, C	2015-20	Influence of landscape disturbance on opportunities to achieve land and fire management objectives.	USDA Forest Service - Rocky Mountain Research Station (D. Calkin)	\$ 522,802	
Bailey, J	Linnell, M	2015-20	Red tree vole use of artificial nest platforms in 20-60-year-old forest stands in the Coast Range, Oregon.	USDA Forest Service - PNW Research Station (D. Lesmeister)	\$ 168,855	
Bailey, J	Johnston, J	2018-19	Southern Willamette Collaborative fire history and restoration	Oregon Department of Forestry	\$ 66,999	\$ 66,999
Bailey, J	Johnston, J	2018-19	Blue Mountain Forest Partners - Southern Blues monitoring program	USDA Forest Service - Malheur National Forest	\$ 99,384	
Bailey, J	Johnston, J	2015-19	Southern Blues CFLRP forest vegetation and fuels multi-party monitoring.	USDA Forest Service - Malheur National Forest	\$ 382,307	
Bailey, J		2016-19	Scaling up restoration activities to landscape scales	USDA Forest Service - PNW Research Station (E. White)	\$ 50,000	
Bailey, J		2015-19	Assessing and addressing effects of forest management on Pacific marten habitat in western forests.	USDA Forest Service - PNW Research Station (K. Moriarty, Olympia)	\$ 314,665	
Bailey, J		2014-19	Assessing fuel management strategies to reduce landscape-level wildfire risk and transmission.	USDA Forest Service - PNW Research Station (A. Ager)	\$ 487,969	\$ 355,000
Bailey, J		2014-19	Landscape-scale restoration strategies for central Oregon.	USDA Forest Service - PNW Research Station (T. Spies)	\$ 468,359	
Bailey, J	Houtman, R	2017-19	Wildfire feedbacks and fuel management interactions on eastern Oregon National Forests	USDA Forest Service - Rocky Mountain Research Station (A. Ager)	\$ 119,000	
Bailey, J	Cole, E Powers, M	2015-17	Westside Mature Forest Study - III	USDI Bureau of Land Management (S. Wessel)	\$ 99,998	
Bailey, J	Hatten, J	2015-17	Assessing the effects of fuel reduction treatments on ecosystem structure and function.	USDA Forest Service - PNW Research Station (B. Kerns)	\$ 188,526	
Bailey, J	Hatten, J	2014-17	Ecosystem processes and productivity: biomass and nutrient cycling in the Pacific Northwest.	USDA Forest Service - PNW Research Station (B. Kerns)	\$ 282,737	
Bailey, J	Slauson, K Moriarty, K	2014-16	Effects of landscape-scale forest management on Pacific marten occupancy and population connectivity in Coastal Oregon.	OSU Forest Research Laboratory Fish & Wildlife Habitat in Managed Forests Research Program	\$ 173,000	\$ 105,661
Bailey, J	Dunn, C	2013-14	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 – Bureau of Land Management (GRIN Award)	\$ 25,000	\$ 25,000
Bailey, J	Fjeran, T	2013-14	Treatment options for controlling the spread of <i>Brachypodium sylvaticum</i> : risks, implementation, effectiveness and impacts on native vegetation.	OSU College Forests Research and Outreach Program	\$ 33,000	\$ 33,000
Bailey, J		2011-16	Assessing the ecological effects of wildfire in the Pacific Northwest at regional scales.	USDA Forest Service - PNW Research Station (T. Spies)	\$ 427,206	
Bailey, J		2011-15	Forest, People, Fire: Vegetation and GIS modeling.	USDA Forest Service - PNW Research Station (T. Spies)	\$ 269,555	\$ 269,555
Bailey, J		2014-15	Long-term ecosystem productivity study - remeasurement.	USDA Forest Service PNW Research Station (B. Bormann)	\$ 89,020	
Bailey, J	Johnson, K Franklin, J	2011-16	Fire regimes, forest change and restoration of forested plant associations in the Middle Applegate Watershed, Oregon.	USDI Bureau of Land Management	\$ 197,000	
Bailey, J	Puettmann, K Betts, M	2010-14	Species and habitat recovery dynamics after thinning treatments.	USDA Willamette National Forest	\$ 48,000	
Bailey, J		2008-14	Structure and dynamics of dry conifer forests in Central Oregon – vegetation and GIS modeling.	USDA Forest Service - PNW Research Station (T. Spies)	\$ 270,000	
Bailey, J		2009-13	Structure and dynamics of post-fire environments in the central Cascade mountains of Oregon.	OSU Foundation	\$ 150,000	
Bailey, J		2006-12	Fire Behavior and Fire Risk Modeling for Southern Oregon – implications for northern spotted owl habitat.	OSU Foundation - Mealey-Boise/Boone and Crockett	\$ 260,000	\$ 260,000
Bailey, J		2006-10	Fuels and fire management effects.	USDA Forest Service - Rocky Mountain Research Station	\$ 63,000	
Bailey, J		2007-8	Historic age structure and fire regimes of Pacific silver fir forests in Parks Creek area.	USDA Willamette National Forest	\$ 17,000	
Bailey, J	McComb, B	2007-8	Alternative stand establishment techniques in managed forest landscapes: Long-term effects of gap size.	OSU Forest Research Laboratory Fish & Wildlife Habitat in Managed Forests Research Program	\$ 37,000	\$ 37,000
Bailey, J		2005-7	Southwestern silviculture, fuels and fire management.	USDA Forest Service - Rocky Mountain Research Station	\$ 60,000	
				SUB-TOTAL: Oregon State University:	\$ 7,541,525	\$ 2,902,422

Bailey, J		2003-7	Understory vegetation and insect diversity as indicators of forest health.	USDA Forest Service - Rocky Mountain Research Station	\$ 129,000	
Bailey, J	Wagner, M	2003-6	Effects of mechanical treatment and fire on forest vegetation dynamics.	USDA Forest Service - Rocky Mountain Research Station	\$ 418,000	
Bailey, J		2004-5	Quantifying juniper invasion and in-fill at Wupatki National Monument.	Arizona Bureau of Forestry	\$ 17,000	\$ 17,000
Bailey, J		2003-5	Assessing 140 years of juniper cover with repeat aerial photography.	USDI National Park Service CESU	\$ 28,000	\$ 28,000
Bailey, J		2002-6	Fuel production, slash treatment and burning options following pinyon-juniper woodlands restoration thinning.	USDA Forest Service - Rocky Mountain Research Station	\$ 339,000	
Bailey, J	Trenam, M	2001-3	Restoring age structure, spatial arrangement and watershed health in pinyon-juniper woodlands.	USDI Bureau of Land Management	\$ 35,000	\$ 35,000
Bailey, J		1999-2004	Using group selection, multi-aged management practices to enhance the use of prescribed fire in the Southwest.	USDA Forest Service - Rocky Mountain Research Station	\$ 470,000	
Bailey, J	Sesnie, S Souder, J	1999-2002	Environmental history as a foundation for adaptive management.	USDA Forest Service - Rocky Mountain Research Station	\$ 111,000	
Bailey, J	Goodwin, K	1998-2002	Effect of soil type on natural regeneration of ponderosa pine in the Southwest.	USDA Forest Service - Rocky Mountain Research Station	\$ 86,000	
Bailey, J	Guerra, V	1999-2001	Stand dynamics of isolated Pseudotsuga forests in southern North America.	USDA Forest Service - Rocky Mountain Research Station	\$ 32,000	
Bailey, J		1999-2001	Managing Gambel oak for improved habitat conditions: an addition to the Stand Treatment Impacts on Forest Health project.	Arizona Bureau of Forestry - Mission Research	\$ 27,000	\$ 27,000
Bailey, J	DeWald, L	1998-2001	Managing fragmented Douglas-fir ecosystems in southwestern North America for long-term sustainability.	USDA Foreign Agricultural Service, Research and Scientific Exchanges Division	\$ 28,000	\$ 28,000
Bailey, J		1999-2000	Stand treatment impacts on forest health (STIFH)	Northern Arizona University - Organized Research program	\$ 8,000	\$ 8,000
Bailey, J	Carey, H Daugherty, P Harrington, S	1999-2000	Regional assessment of the forest resources in the Four Corners area.	USDA Forest Service - Region 3, Four Corners Sustainability Initiatives	\$ 82,000	\$ 82,000
Bailey, J		1998	Fort Valley Experimental Station tree density restoration.	USDA Forest Service - Rocky Mountain Research Station	\$ 4,000	
Bailey, J	Wagner, M Mathiasen, R	1998	Restoring ponderosa pine ecosystem health.	Northern Arizona HBCU/MI Consortium	\$ 7,000	\$ 7,000
Bailey, J	Covington, W	1997-9	Role of silviculture in ponderosa pine restoration ecology: stand density management, spacing and prescribed fire.	Arizona Bureau of Forestry - Mission Research	\$ 27,000	\$ 27,000
SUB-TOTAL: Northern Arizona University:					\$ 1,848,000	\$ 259,000

As Principal Investigator at OSU, 34% of \$9.4M has been raised competitively; only 14% of such funds were raised competitively at NAU (standard for a non-Tier I institution). \$11.1M total grants.

Less than 20% of my total grant funds have me as co-PI, though some of them are very large projects (e.g., NARA) of which I only have a small part. Most (82%) of those funds were raised competitively per the following table.

As Co-PI:				co-PI GRAND TOTAL: \$ 1,704,952 \$ 1,402,952		
Lesmeister, D	Bailey, J	2017-19	Does a Lack of Structures for Nest Building Limit Red Tree Vole Occupancy of Actively Managed Forest?	OSU Forest Research Laboratory Fish & Wildlife Habitat in Managed Forests Research Program	\$ 78,951	\$ 78,951
Moriary, K	Bailey, J	2016-17	Distribution of rare forest carnivores (fisher, marten) in coastal Southern Oregon	OSU Forest Research Laboratory Fish & Wildlife Habitat in Managed Forests Research Program	\$ 42,000	\$ 42,000
Blunck, D	Butler, B Bailey, J Wagenbrenner	2015-19	Multi-scale study of ember production and transport under multiple environmental and fuel conditions. (of \$188K)	Joint Fire Sciences Program	\$ 15,631	\$ 15,631
Davis, EJ	Spies, T Bailey, J	2015-18	Go big or go home? Tools and processes for scaling up collaborative forest restoration. (of \$250K)	OSU College of Forestry - Institute for Working Forest Landscapes	\$ 80,000	\$ 80,000
Sessions, J	Smith, D Bailey, J Campbell, J	2015-19	Opportunities for biochar production to reduce forest wildfire hazard, sequester carbon, and increase agricultural productivity of dryland soils. (of \$250K)	OSU College of Forestry - Institute for Working Forest Landscapes	\$ 30,000	\$ 30,000
Wolcott, M	Sessions, J Bailey, J	2011-16	Northwest Aviation Renewables Alliance (NARA): Restoration residue feedstock development. (of \$40 million)	USDA Agriculture and Food Research Initiative - WSU contractor	\$ 848,370	\$ 848,370
Boston, K	Bailey, J Sessions, J	2010-14	Ecological and economic impacts of Glendale Resource Area roadside daylighting projects. (of \$30K)	USDI Bureau of Land Management	\$ 5,000	
Bolte, J	Spies, T Bailey, J	2010-14	Coupled natural and human systems in fire-prone landscapes: Interactions, dynamics and adaptation. (of \$1.7million)	National Science Foundation	\$ 230,000	\$ 230,000
Newton, M	Cole, E Bailey, J	2009-14	Westside Mature Forest Study - II. (of \$244K)	USDI Bureau of Land Management	\$ 112,000	
Lehmkuhl, J	Livingstone, S Gaines, W Knapp, E Bailey, J	2009	Creating stand-level prescriptions that integrate ecological and fuel management objectives across the eastern Cascades. (of \$10K)	Joint Fire Sciences Program	\$ 10,000	\$ 10,000
Duncan, S	Steele, B Bailey, J Bond, B	2007-9	Ecosystem dynamics policy study. (of \$70K)	Oregon Department of Forestry	\$ 10,000	
Newton, M	Cole, E Bailey, J	2006-12	Westside Mature Forest Study. (of \$378K)	Oregon Department of Forestry	\$ 50,000	
SUB-TOTAL: Oregon State University:					\$ 1,511,952	\$ 1,334,952
Wagner, M	Bailey, J Hart, S. Kolb, T	2002-4	Insects as ecological indicators for fuel treatment effects in ponderosa pine. (of \$210K)	USDA National Research Initiative Competitive Grants Program	\$ 60,000	\$ 60,000
Arganbright	Stratton, L Bailey, J	1998-2000	Changing the paradigm: six perspectives on sustainable forestry in the Intermountain West. (of \$12K)	Laird Norton Endowment Foundation	\$ 8,000	\$ 8,000
Tappeiner, J	Bailey, J	1996-9	Evaluating and projecting spotted owl habitat conditions on ODF lands. (of \$250K)	Oregon Department of Forestry	\$ 125,000	
SUB-TOTAL: Northern Arizona University:					\$ 193,000	\$ 68,000

PAST PROFESSIONAL AND ACADEMIC EXPERIENCE

Assistant/Associate Professor: School of Forestry, Northern Arizona University, Flagstaff, AZ. 1996-2005 (9 years).

Faculty Research Assistant/Lecturer: Department of Forest Resources, Oregon State University, Corvallis OR 1994-96 (3 years).

Graduate Research Assistant: Departments of Forest Science and Forest Resources, Oregon State University, Corvallis, OR 1991-94 (3 years).

Research Technician GS-5 (part-time): USDA Forest Service, PNW Station, Corvallis, OR 1992-93 (2 years).

Senior Scientist and Quality Assurance Program Manager: ManTech Environmental Technology Inc., Corvallis, OR 1985-91 (6.5 years).

Forestry Research Intern: Westvaco Corporation Timberlands Research, Summerville, SC and Crozet, VA 1984 and 1982 (2 summers).

Silviculture Technician, Seasonal GS-4: USDA Forest Service, Winema National Forest, Chemult, OR 1983 (one summer).

OFF-CAMPUS CONSULTING AND PROFESSIONAL ACTIVITIES

- Confederated Tribes and Bands of the Yakama Nation
- ASEAN fire management training – Korean Forest Service
- Fuels manipulations and silviculture – US Department of Justice
- Indian Forest Management Assessment Team – US Bureau of Indian Affairs
- Fire risk, restoration and fuels treatments – Confederated Tribes of the Warm Springs
- GS-0401 Fire Course Evaluation – USDI BLM
- Reforestation of gas pipelines – Diamond-Shamrock Corporation (Albuquerque, NM)
- Vegetation management on Continental Country Club Dam #2 (Flagstaff, AZ)
- Society of American Foresters, Certified Forester Exam development (Bethesda, MD)

PROFESSIONAL SERVICE

Associate Editor (Fire and Fuels Management) – Western Journal of Applied Forestry and, now, Forest Science (2009-2020); 5-10 manuscripts/year handled.

Manuscript/book reviewer for: Island Press, Yale University Press, Oregon State University Press, University of Arizona Cooperative Extension, USGS Biological Research Division, *Western Journal of Applied Forestry* (Associate Editor, plus 7 as a reviewer), *Forest Ecology and Management* (26), *Journal of Forestry* (7), *Canadian Journal of Forest Research* (5), *Forest Science* (5), *Forests* (4), *Global Change Biology* (3), *Risk Analysis* (3), *International Journal of Wildland Fire* (2), *Tree Physiology* (2), *Trees- Structure and Function* (2), *Journal of Environmental Management* (2), *New Forests* (2), and one each for *Frontiers In Forests And Global Change*, *Forestry*, *Southern Journal of Applied Forestry*, *Canadian Journal of Botany*, *Conservation Biology*, *Ecosphere*, *Fire Ecology*, *Resources*, *Landscape and Urban Planning*, *American Midland Naturalist*, *Rangeland Ecology and Management*, *Journal of Arid Environments*, *Madrono*, *Natural Areas Journal*, *Weed Research* and *Journal of Applied Ecology*.

Research Proposal Review Panel Member for: USDA CSREES NRI Program (2008 and 2009); Joint Fire Sciences Program (2009, 2010, 2015 and 2016); USDA NIFA SBIR (2019); Oregon Department of Forestry TASS Program (2019)

Proposal reviewer for: National Science Foundation, USDA Research and Scientific Exchanges Division, NAU School of Forestry, Tahoe Science Consortium, and USDA Forest Service Rocky Mountain and Pacific Northwest Research Stations

Promotion and Tenure dossier reviewer and mentor for: Oregon State University and Northern Arizona University

External reviewer for: Oregon State University (2), University of Florida (2), Northern Arizona University, Mississippi State University, University of Missouri, University of Nevada – Las Vegas, Missouri State University, and University of Idaho

Federal and State Agency Panel Member for: National Advance Silviculture Program training coordinator for Inventory/Monitoring and Decision Support (2007-2020) and Certification Panel Member (2010-2020); US Fish and Wildlife Service Dry Forest Landscape Working Group (2009-2015) and Northern Spotted Owl Recovery Plan Science Review Committee (2010-2013); Oregon Department of Forestry Science Assessment Team (2010-2012); Continuing Education in Ecosystem Management planning (1997-2003); and the Oregon Forest Biomass Working Group Sustainability Roundtable (2012).

Committee Service:

University service

- Search Advocate (2018-
- *Academic Analytics* Task Force (2018-
- College of Agricultural Sciences Leadership Academy, Mentor (2018-
- Faculty Senate **Executive Committee** (2017-18); liaison to OSU's Academic Regulations Committee, Research Council, and Promotion and Tenure Committee
- University Curriculum Council (2015-2018; 2016-18 **Co-Chair**)
- OSU Task Force for Learning Management Systems (2013-2014)
- OSU Global Learning Initiative Task Force (2011-2013)
- University Council on Student Engagement and Experience (2008-2012)
- *ad hoc* Baccalaureate Core Review/Revision Committee, **Co-Chair** (2008-2010)
- Faculty Senate (2008-2010)
- Baccalaureate Core Committee (2006-2008); **Co-Chair 2008**
- NAU Center for Sustainable Environments – Steering Committee (2002-2005)
- NAU Academic Standards Committee (2000-2003)
- Distributed Learning Program Delivery Coordination Council (2000-2002)

Departmental/College service

- Forest Policy Search Committee (2019); **Chair**
- College of Forestry, FERM Department Head Search Committee... I and II (2017-2018)
- Faculty Advisor to Student Association for Fire Ecology (2012-
- FERM Promotion and Tenure Committee (2015-2018); **Chair 2018-19**, member 2019-
- Forestry Undergraduate Curriculum Committee (2006-2010; 2013-); **Chair 2013-16, 2019**
- FERM Graduate Program Faculty; **AOE Lead** (2010-
- College of Forestry, Curriculum and Advising Committee (2010-2016)
- Faculty Advisor to Student Chapter of the Society of American Foresters (2010-
- College Promotion and Tenure Committee (2014-2015)
- College of Forestry, Forest Director Search Committee (2011-2012)
- Faculty of Forest Management Curriculum Committee (2010-2012) **Chair**
- College of Forestry, Dean's Advisory Committee (2006-2008)
- 5th University Educators in Natural Resources Conference, **Program Chair** (2008)
- College of Forestry Student Support Services Assistant Search Committee (2007)
- Department of Forest Resources, Office Assistant Search Committee (2007)
- Department of Forest Resources, Department Head Search Committee (2007)
- College of Forestry Advisory Committee – Reorganization sub-committee **Chair** (2007)
- Department of Forest Resources, Faculty Review (P&T) Committee (2006-2007)
- OSU Research Forests: Advisory Committee and Silvicultural Themes Team (2006-2008)
- OSU Department of Forest Resources Undergraduate Curriculum Committee (2006-2008)
- NAU Fire Science Academy Planning Committee (2005)
- School of Forestry, Fire Science Position Search Committee **Co-Chair** (2005)
- NAU Centennial Forest, Silviculturist and Technical Committee **Chair** (2000-2005)

- School of Forestry, Distance Education Coordinator (2005)
- 3rd University Educators in Natural Resources Conference Planning Committee (2004)
- School of Forestry, Strategic Planning Committee (2003)
- NAU Centennial Forest **Acting Director** (2003)
- School of Forestry, Curriculum Committee (2002-2003)
- School of Forestry, Graduate Studies Committee (2001-2003)
- International Academic Exchanges Committee (2000-2001)
- Faculty Advisor to Xi Sigma Pi, Alpha Pi chapter (1998-2003)
- School of Forestry, Information Technology Committee (1999-2005)
- School of Forestry Curriculum Review Committee (1998-2000)
- School of Forestry, Mission Research Review Committee (1999-2000, 2002-2003)
- School of Forestry, Forest Biometrician Search Committee (**Chair**, 1998)
- Chair's Advisory Committee (1997-8, 2001-2, 2002-3)
- Recruitment, Retention and Placement staff search committee (1997, 2005)

Professional Service:

Society of American Foresters

- 2018-20 National Committee on Forest Policy
- 2016-19 Silviculture Instructors subgroup **Chair**
- 2009-19 Oregon Society of American Forester, Executive Committee
- 2009-19 OSU Student Chapter Advisor
- 2015-18 D2 Silviculture Working Group leadership
- 2001 and 2003 Southwest Section Meeting, Program Coordinator
- 1999-2001 Chair-Elect, Chair and Past-Chair, San Francisco Peaks Chapter
- 1998 Secretary/Treasurer, San Francisco Peaks Chapter
- 1997-8 and 2002-5 Faculty Advisor to NAU Student Chapter of the SAF
- 1997 SAF/AMPF Biennial Meeting Program Sessions Chair

Forest Carbon Working Group – Science Subgroup; Washington, DC

Pacific Northwest Fire Management Workforce Development Task Force – US Forest Service

Oregon Prescribed Fire Council, Executive Committee

2019 Oregon Governor's Wildfire Council, Mitigation Committee

Community Service:

- The Arboretum at Flagstaff, Board Member (2002-2006)
- Flagstaff Big Brothers-Big Sisters "NAU Pipeline" program (2000-2005)
- Flagstaff Community Tree Board, member (1996-2000)
- Teaching/speaking to local Middle and High Schools, businesses and organizations
- Unitarian-Universalist Fellowship of Corvallis, OR and of Flagstaff, AZ (1985-):
 - Teacher, committee service and chairs, and Board of Trustees (including executive offices)