

# Refereed publications 2016

College of Forestry faculty continue to be recognized as active leaders in forestry-related research. During calendar years 2016 and 2017 (the last two years where data is completely available), faculty produced more than 400 refereed publications.

Agne, M. C., **Fitzgerald, S. A.**, Woolley, T. (2016). Fire severity and cumulative disturbance effects in the post-mountain pine beetle lodgepole pine forests of the Pole Creek Fire. *Forest Ecology and Management*, 366, 73-86.

Akay, A., **Wing, M. G.**, Zengin, M., Kose, O. (2016). Determination of fire access zones along road networks in fire sensitive forests. *Journal of Forestry Research*, 8.

Aubrecht, D. M., Helliker, B. R., Goulden, M. L., Roberts, D. A., **Still, C. J.**, Richardson, A. D. (2016). Continuous, long-term, high-frequency thermal imaging of vegetation: Uncertainties and recommended best practices. *Agricultural and Forest Meteorology*, 228, 315-326.

Baguskas, S. A., **Still, C. J.**, Fischer, D. T., D'Antonio, C. M., King, J. Y. (2016). Coastal fog during summer drought improves the water status of sapling trees more than adult trees in a California pine forest. *Oecologia*, 181(1), 137-148.

Batavia, C., **Nelson, M. P.** (2016). Conceptual ambiguities and practical challenges of ecological forestry: a critical review. *Journal of Forestry*, 114(5), 572-581.

Bennett, N., Roth, R., Wyborn, C., Thomas, R., Teel, T., **Nelson, M. P.**, Stedman, R., Epstein, G., Cullman, G., Clark, D., Klein, S., Greenberg, A., Sandlos, J., Verissimo, D., Curran, D., Chan, K. (2016). Mainstreaming the Social Sciences in Conservation. *Conservation Biology*.

Berner, L. T., **Law, B. E.** (2016). Plant traits, productivity, biomass and soil properties from forest sites in the Pacific Northwest, 1999–2014. *Nature Scientific data*, 3.

Beschta, R. L., Painter, L. E., Levi, T., **Ripple, W. J.** (2016). Long-term aspen dynamics, trophic cascades, and climate in northern Yellowstone National Park. *Canadian Journal of Forest Research*, 46(4), 548-556.

Beschta, R. L., **Ripple, W. J.** (2016). Riparian vegetation recovery in Yellowstone: The first two decades after wolf reintroduction. *Biological Conservation*, 198, 93-103.

Boer, M., Bowman, D., Murphy, B., Cary, G., Cochrane, M., Fensham, R., **Krawchuk, M.**, Price, O., Resco De Dios, V., Williams, R., Bradstock, R. (2016). Future changes in climatic water balance determine potential for transformational shifts in Australian fire regimes. *Environmental Research Letters*, 11(6), 14.

Brookes, H. B., **Ross, D. W.**, Strand, T. M., Thistle, H. W., Ragenovich, I. R., Lowery, L. (2016). Evaluating high release rate MCH (3-methylcyclohex-2-en-1-one) treatments for preventing *Dendroctonus pseudotsugae* (Coleoptera: Curculionidae) infestations. *Journal of Economic entomology*, 109(6), 2424-2427.

Contreras, M. A., Parrott, D. L., **Chung, W.** (2016). Designing Skid-Trail Networks to Reduce Skidding Cost and Soil Disturbance for Ground-Based Timber Harvesting Operations. *Forest Science*, 62(1), 48-58.

Cowan, A. D., Smith, J. E., **Fitzgerald, S. A.** (2016). Recovering lost ground: Effects of soil burn intensity on nutrients and ectomycorrhiza communities of ponderosa pine seedlings. *Forest Ecology and Management*, 378, 160-172.

**Creighton, J.**, Blatner, K. A., Carroll, M. C. (2016). For the love of the land: generational land transfer and the future of family forests in western Washington state, USA. *Small-scale Forestry/ Springer*, 15(1), 1-15.

**D'Antonio, A.**, Monz, C. (2016). The influence of visitor use levels on visitor spatial behavior in off-trail areas of dispersed recreation use. *Journal of environmental management*, 170, 79–87.

**D'Antonio, A.**, Monz, C., Larson, N., Rohman, A. (2016). An application of recreation resource assessment techniques to inform management action in an urban-proximate natural area. *Journal of Outdoor Recreation and Tourism*, 14, 12-21.

Dixon, P., Semple, K. E., Kutnar, A., **Kamke, F.**, Smith, G. D., Gibson, L. J. (2016). Comparison of the flexural behavior of natural and thermo-hydro-mechanically densified Moso bamboo. *European Journal of Wood and Wood Products*, 74(5), 633-642.

Dunnell, K. L., Berguson, B., McMahon, B., **LeBoldus, J. M.** (2016). Variation in Resistance of *Populus nigra* to *Sphaerulina musiva* in the North-Central United States. *Plant Disease*, 100, 287-291.

Engelbreton, J., **Hall, T. E.**, Blades, J., Olsen, C. S., Toman, E., Frederick, S. (2016). Understanding public tolerance of smoke from wildland fires across the United States. *Journal of Forestry*, 114(6), 601-609.

Everatt, K. T., Andresen, L., **Ripple, W. J.**, Kerley, G. I. (2016). Rhino poaching may cause atypical trophic cascades. *Frontiers in Ecology and the Environment*, 14(2), 65-67.

Falk, J. H., **Needham, M. D.** (2016). Utilizing indicator-based methods: Measuring the impact of a science center on its community. *Journal of Research in Science Teaching*, 53(1), 65-69.

Feldbacher, E., Paun, M., Reckendorfer, W., Sidoroff, M., Stanica, A., **Strimbu, B. M.**, Tusa, I., Vulturescu, V., Heina, T. (2016). Twenty years of research on water management issues in the DanubeMacro-region - past developments and future directions. *SCIENCE OF THE TOTAL ENVIRONMENT*, 572, 1297-1306.

Fischer, D. T., **Still, C. J.**, Ebert, C. M., Baguskas, S. A., Park Williams, A. (2016). Fog drip maintains dry season ecological function in a California coastal pine forest. *Ecosphere*, 7(6).

Fischer, P., Spies, T., Steelman, T., Moseley, C., Johnson, B. R., **Bailey, J. D.**, Ager, A., Bourgeron, P., Charnley, S., Collins, B. M., Kline, J., Leahy, J., Littell, J., Millington, J. D.A., Nielsen-Pincus, M., Olsen, C. S., Paveglio, T., Roos, C. I., Steen-Adams, M., Stevens, F. R., Vukomanovic, J., White, E., Bowman, D. M.J.S. (2016). Wildfire risk as a socio-ecological pathology. *Frontiers in Ecology and the Environment*, 14(5), 276-284.

Galleguillos, F., Hernández, V. A., Hernández, V., Palfner, G., Figueroa, F., **Robinson, S. C.** (2016). Potential Use of Native Fungi for Value-Added Spalting in Chile. *Forest Products Journal*, 66(3-4), 250-256.

Gao, Y., Yang, S., Zhang, F., **Leshchinsky, B. A.** (2016). Three-dimensional reinforced slopes: Evaluation of required reinforcement strength and embedment length using limit analysis. *Geotextiles and Geomembranes*, 44(2), 133-142.



- Garcia, M. O., Jane, S. E., Jones, M. D., **Luoma, D. L.** (2016). Ectomycorrhizal communities of ponderosa pine and lodgepole pine in the south-central Oregon pumice zone. *Mycorrhiza*, 26(4), 275-86.
- Greer, B. T., **Still, C. J.**, **Howe, G. T.**, Tague, C., Roberts, D. A. (2016). Populations of aspen (*Populus tremuloides* Michx.) with different evolutionary histories differ in their climate occupancy. *Ecology and evolution*, 6(9), 3032-3039.
- Gülci, N., Akay, A., Erdas, O., Acar, H. Hulusi, **Wing, M. G.** (2016). Controlled sliding of logs downhill by chute system integrated with portable winch and synthetic rope. *Journal of the Faculty of Forestry Istanbul University*, 66(1), 8.
- Gülci, N., Akay, A., Wing, M. G., **Sessions, J.** (2016). Planning optimum logging operations through precision forestry approaches. *European Journal of Forest Engineering*, 1(2), 5.
- Hajjar, R. F.**, Badini, O. S., Kozak, R. A. (2016). Promoting small and medium forest enterprises in national REDD + strategies: A global analysis of enabling environments. *Climate Policy*, 1-33.
- Hajjar, R. F.**, Oldekop, J. A., Cronkleton, P., Etue, E., Newton, P., Russel, A. J. M., Tjajadi, J. S., Zhou, W., Agrawal, A. (2016). The data not collected on community forestry. *Conservation Biology*, 30(6), 1357-1362.
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- Han, X., **Hansen, E. N.** (2016). Marketing Sophistication in Private U.S. Sawmilling Companies. *Canadian Journal of Forest Research*, 46(1), 181-189.
- Hansen, E. N.**, Breede, B. (2016). How Innovation Happens: Practical Insights from Cox Industries, Inc. *BioProducts Business*, 1(1), 32-41.
- Hansen, E. N.**, Conroy, K., Toppinen, A., Bull, L., Kutnar, A., Panwar, R. (2016). Does Gender Diversity in Forest Sector Companies Matter?. *Canadian Journal of Forest Research*, 46, 1255-1263.
- Hansen, E. N.**, Nybakk, E. (2016). When innovativeness determines market orientation: the forest sector and the Global Financial Crisis. *BioProducts Business*, 1(1), 1-12.
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- Hinsch, E. M., **Robinson, S. C.** (2016). Mechanical Color Reading of Wood-Staining Fungal Pigment Textile Dyes: An Alternative Method for Determining Colorfastness. *Coatings*, 6(3).
- Holm, S. R., Noon, B. R., Wiens, J. D., **Ripple, W. J.** (2016). Potential trophic cascades triggered by the barred owl range expansion. *Wildlife Society Bulletin*, 40(4), 615-624.
- Hrinkevich, K. H., Progar, R. A., **Shaw, D. C.** (2016). A severity rating system for evaluating stand-level balsam woolly adelgid (Hemiptera: Adelgidae) damage in two *Abies* species in western North America. *Forest Science*, 62, 181-189.
- Hrinkevich, K. H., Progar, R. A., **Shaw, D. C.** (2016). Climate Risk Modelling of Balsam Woolly Adelgid Damage Severity in Subalpine Fir Stands of Western North America. *PLoS One*, 11, 11.
- Huy, B., Kralicek, K., Poudel, K., Phúông, V. T., Phung, V. K., Nguyen, D. H., **Temesgen, H.** (2016). Allometric Equations for Estimating Tree Aboveground Biomass in Evergreen Broadleaf Forests of Viet Nam. *Forest Ecology and Management*, 382:193-205.
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- Kim, Y., **Still, C. J.**, **Hanson, C. V.**, **Kwon, H.**, Greer, B. T., **Law, B. E.** (2016). Canopy skin temperature variations in relation to climate, soil temperature, and carbon flux at a ponderosa pine forest in central Oregon. *Agricultural and Forest Meteorology*, 226, 161-173.
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- Krapf, K. J., **Hatten, J. A.**, Roberts, S. D., Baldwin, B. S., Rousseau, R. J., Shankle, M. W. (2016). Capacity of biochar application and nitrogen fertilization to mitigate grass competition upon tree seedlings during stand regeneration. *Forest Ecology and Management*, 376, 298-309.
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**Kuusela, O.-P.**, Amacher, G. (2016). A Review of Performance Bonding in Forest Policy Settings. *Current Forestry Reports*, 2(3).

**Kuusela, O.-P.**, Amacher, G. (2016). Changing Political Regimes and Tropical Deforestation. *Environmental and Resource Economics*, 64(3).

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**Leshchinsky, B. A.**, **Sessions, J.**, **Clauson, M. L.**, **Wimer, J. A.** (2016). Designing Mobile Anchors to Yield: A Tension Relief System for Tail Anchoring. *Croatian Journal of Forest Engineering*, 37(2), 269-278.

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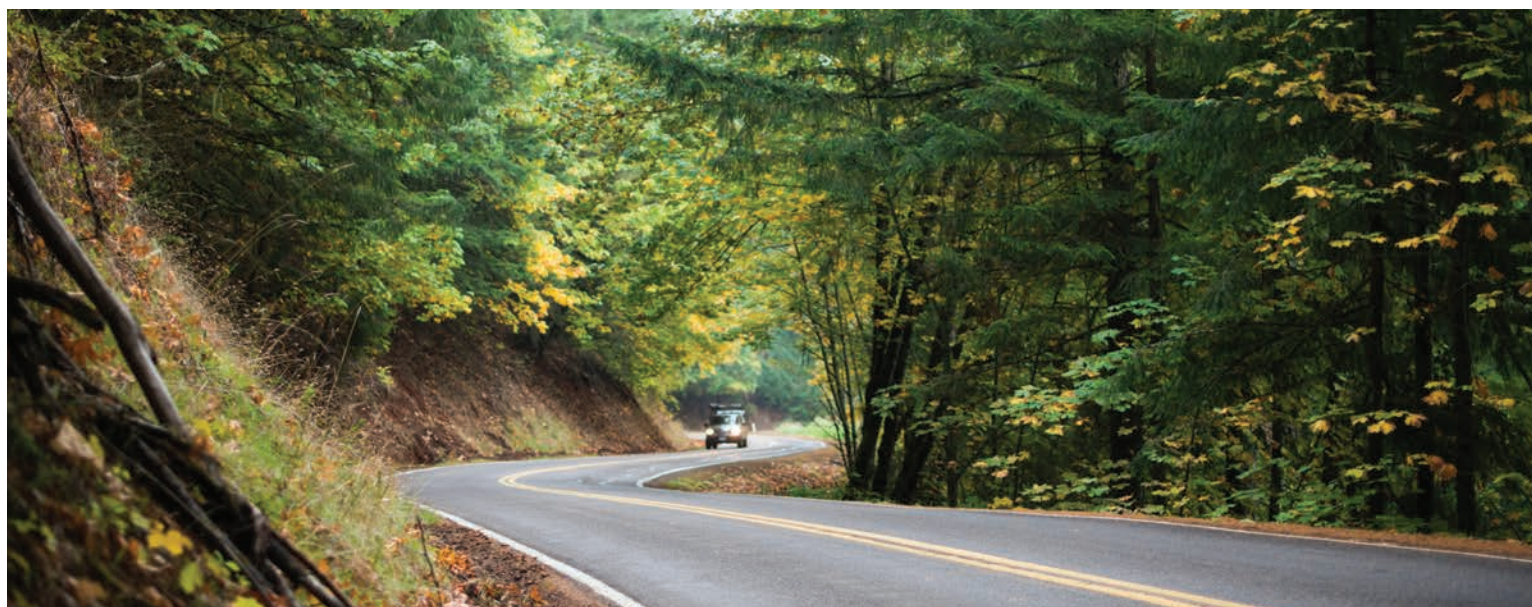
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# Refereed publications 2018

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