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EDUCATION

Ph.D. (1990) Economics University of Washington, Seattle WA
Thesis: Household investment in the improvement of the existing housing stock
Advisor: Dr. Robert A. Pollak
Fields: Natural resource economics, Econometrics
M.F. (1986) Forest Economics University of Washington, Seattle WA
B.S. (1984) Forest Management Oregon State University, Corvallis OR
B.A. (1976) Fine Art Portland State University, Portland OR

EMPLOYMENT HISTORY

Emeritus (2018-present), **Head** (2012-2017), **Professor** (2006-2017), **Associate Professor** (2000-2006), **Assistant Professor** (1995-2000)
Oregon State University: Department of Forest Engineering, Resources, and Management; Graduate Faculty of Applied Economics; Graduate Faculty of Forest Ecosystems and Society
Assistant Professor (1992-1995)
University of Montana: School of Forestry
Postdoctoral Research Associate (1990-1991)
University of Washington: Department of Economics
Graduate Research and Teaching Assistant (1983-1990)
Oregon State University: Department of Forest Resources
University of Washington: College of Forest Resources, Department of Economics
Research Assistant (1983)
Crown Zellerbach: Forestry Research Division, McMinnville OR
Forestry Technician (1980-1983)
USDA Forest Service Siuslaw National Forest
Oregon State University College of Forestry, McDonald and Dunn Forest

PUBLICATIONS

♦ **Journal articles/computer science proceedings** *citations (ISI=1356, Google=2529)*

1. Tappeiner, J., D.M. Adams, C.A. Montgomery, D. Maguire. 2021. Growth of managed older Douglas-fir stands: implications of the Black Rock thinning trial in the Coast Range of western Oregon, *Journal of Forestry,* doi.org/10.1093/jofore/fvab063.
2. Lauer, C.J., C.A. Montgomery, T.G. Dietterich. 2020. Evaluating wildland fire liability standards – does regulation incentivize good management? *International Journal of Wildland Fire,* doi.org/10.1071/WF19090.

3. Lauer, C.J., C.A. Montgomery, T.G. Dietterich. 2019. Managing fragmented fire-threatened landscapes with spatial externalities. *Forest Science,* doi.org/10.1093/forsci/fxz012. *(3, 4)*
4. Harrison, J.L., C.A. Montgomery, P.W. Jeanty. 2018. A spatial, simultaneous model of social capital and poverty. *Journal of Behavioral and Experimental Economics*. 78: 193-192. *(3, 20)*
5. Lauer, C.J., C.A. Montgomery, T.G. Dietterich. 2017. Spatial interactions and optimal forest management on a fire-threatened landscape. *Forest Policy and Economics* 83:107-120. *(10, 14)*
6. Crandall, M.S., D.M. Adams, C.A. Montgomery, D. Smith. 2017. The potential rural development impacts of utilizing non-merchantable forest biomass. *Forest Policy and Economics* 74:20-29. *(10, 16)*
7. Dilkina, B., R.M. Houtman, C.P. Gomes, K.S. McKelvey, C.A. Montgomery, T. Graves, M.K. Schwartz. 2017. The perfect is the enemy of the good: trade-offs and efficiencies in optimal budget-constrained multi-species corridor networks. *Conservation Biology* 31(1): 192–202. *(27, 46)*
8. McGregor, S., H. Buckingham, T.G. Dietterich, R.M. Houtman, C.A. Montgomery, R. Metoyer. 2017. Interactive visualization for testing Markov Decision Processes: MCPVIS. *Journal of Visual Languages & Computing* 39: 93-106. *(2, 11)*
9. Lee, Y., C.A. Montgomery, J. Kline. 2016. The influence of age-specific migration on housing growth in the rural Midwest. *Landscape and Urban Planning* 148:68-79. *(5, 13)*
10. Harrison, J.L., C.A. Montgomery, J.C. Bliss. 2016. Beyond the monolith: the role of bonding, bridging, and linking social capital in the cycle of adaptive capacity. *Society and Natural Resources* 29(5):525-539. *(18, 37)*
11. McGregor, S., H. Buckingham, T.G. Dietterich, R. Houtman, C. Montgomery, R. Metoyer. 2015. Facilitating testing and debugging of Markov decision processes with visualization. *In*: Proceedings of IEEE Symposium on Visual Languages and Human-Centric Computing, Atlanta GA, (Oct 18–22, 2015). *(6, 16)*
12. Houtman, R.M., C.A. Montgomery, A.R. Gagnon, D.E. Calkin, T.D. Dietterich, S. McGregor, M. Crowley. 2013. Allowing a wildfire to burn: estimating the effect on future fire suppression costs. *International Journal of Wildland Fire* 22(7): 871 - 882. *(38, 82)*
13. Montgomery, C.A. 2013. Institutional environments and arrangements for managing complex aquatic ecosystems in forested landscapes. *Forest Policy and Economics* 35: 50-56. doi: 10.1016/j.forpol.2013.06.008 *(1, 7)*
14. Kant, S., Wang, S., Deegen, P., Hostettler, M., von Detten, R., Howard, T., Laband, D., Montgomery, C.A., Robert, N., Sekot, W., Valatin, G., Zhang, D. 2013. New frontiers in forest economics. *Forest Policy and Economics* 35: 1-8. Doi: 10.1016/j.forpol.2013.06.002 *(5, 17)*
15. Dilkina, B. Lai, K.J., Le Bras, R. Xue, Y., Gomes, C.P., Sabharwal, A., Suter, J., McKelvey, K.S., Schwartz, M.K., and Montgomery, C.A. 2013. Large landscape conservation – synthetic and real-world datasets. *In*: Proceedings of the 27th Conference on Artificial Intelligence, Bellevue, WA (July 15-18, 2013). *(0, 3)*
16. Le Bras, R., Dilkina, B., Xue, Y., Gomes, C.P., McKelvey, K.S., Schwartz, M.K., Montgomery, C.A. 2013. Robust network design for multispecies conservation. *In*:

Proceedings of the 27th Conference on Artificial Intelligence, Bellevue, WA (July 15-18, 2013). *(1, 24)*

17. Busby, G.M., Albers, H.J., and Montgomery, C.A. 2012. Wildfire risk management in a landscape with fragmented ownership and spatial interactions. *Land Economics* 88: 496-517. *(26, 39)*
18. Lai, K.J., Gomes, C.P., Schwartz, M.K., McKelvey, K.S., Calkin, D.E., and Montgomery, C.A. 2011. The Steiner multigraph problem: wildlife corridor design for multiple species. *In:* Proceedings of the 25th Conference on Artificial Intelligence, San Francisco, CA, (August 7–11, 2011). *(4, 19)*
19. Konoshima, M., Albers, H.J., Montgomery, C.A., and Arthur J.A. 2010. Optimal spatial patterns of fuel management and timber harvest with fire risk. *Canadian Journal of Forest Research* 40(1): 95-108. *(38, 63)*
20. Polasky, S, Nelson, E., Camm, J. Csuti, B. Fackler, P., Longsodr, E., Montgomery, C., White, D., Arthur, J., Garber-Yonts, B., Haight, R., Kagan, J., Starfield, T. and Tobalske, C. 2008. Where to put things? Spatial land management with biological and economic returns. *Biological Conservation* 141: 1505-1524. *(401, 640)*
21. Konoshima, M., Montgomery, C.A., Albers, H.J., and Arthur, J.L. 2008. Spatial endogenous fire risk and efficient fuel management and timber harvest. *Land Economics* 84(3): 449-468. *(47, 70)*
22. Busby, G.M., and Montgomery, C.A. 2007. The opportunity cost of forest certification on private land in western Oregon. *Western Journal of Applied Forestry* 22(1): 55-60.*(10, 13)*
23. Montgomery, C.A., Latta, G., and Adams, D.M. 2006. The cost of achieving old-growth forest structure. *Land Economics* 82(2): 240-256. *(11, 22)*
24. Montgomery, C.A., and Helvoigt, T. 2006. Changes in attitudes about importance of and willingness to pay for salmon recovery in Oregon. *Journal of Environmental Management* 78(4): 330-340. *(10, 25)*
25. Nalle, D.J., Arthur, J.L., and Montgomery, C.A. 2005. Economic impacts of adjacency and green-up constraints on timber production at a landscape scale. *Journal of Forest Economics* 10(4): 189-205. *(6, 16)*
26. Arthur, J.L., Camm, J., Haight, R.G., Montgomery, C.A., and Polasky, S. 2004. Weighing conservation objectives: maximum expected coverage versus endangered species protection. *Ecological Applications* 14(6): 1936–1945. *(44, 81)*
27. Nalle, D.J., Montgomery, C.A., Arthur, J.L., Schumaker, N.H., and Polasky, S. 2004. Modeling joint production of wildlife and timber in forests, *Journal of Environmental Economics and Management* 48(3): 997-1017. *(129, 239)*
28. Latta, G., Montgomery, C.A. 2004. Minimizing the cost of stand level management for older forest structure in western Oregon, *Western Journal of Applied Forestry* 19(4): 221-231. *(15, 24)*
29. Lichtenstein, M.E., and Montgomery, C.A. 2003. Biodiversity and timber in the Coast Range of Oregon: inside the production possibility frontier, *Land Economics* 79(1): 56-73. *(48, 77)*
30. Calkin, D., Montgomery, C.A., Schumaker, N. H., Polasky, S., Arthur, J.L, and Nalle, D.J. 2002. Developing a production possibility set of wildlife species persistence and timber

harvest value using simulated annealing, *Canadian Journal of Forest Research* 32(8): 1329-1342. *(70, 129)*

31. Montgomery, C.A. 2002. Ranking the benefits of biodiversity: an exploration of relative value, *Journal of Environmental Management* 65(3): 313-326. *(41, 83)*
32. Arthur, J.L., Haight, R.G., Montgomery, C.A., and Polasky, S. 2002. Analysis of the threshold and expected coverage approaches for the probabilistic reserve selection problem, *Environmental Modeling and Assessment* 7(2): 81-89. *(25, 41)*
33. Nalle, D.J., Arthur, J.L, Sessions, J., and Montgomery, C.A. 2002. Economic and spatial impacts of an existing reserve network on future augmentation. *Environmental Modeling and Assessment* 7(2): 99-105. *(29, 53)*
34. Montgomery, C.A. 2001. Modeling the United States housing sector, *Forest Science* 47(3): 371-389. *(2, 5)*
35. Montgomery, C.A., Pollak, R.A., Freemark, K, and White, D. 1999. Pricing biodiversity, *Journal of Environmental Economics and Management* 38(1): 1-19. *(53, 110)*
36. Montgomery, C.A. 1996. A structural model of the U.S. housing market: improvement and new construction, *Journal of Housing Economics* 5(2): 166-192. *(5, 14)*
37. Montgomery, C.A. 1996. Risk and forest policy: Issues and recent trends in the U.S., *Ecological Economics* 16: 65-72. *(7, 10)*
38. Montgomery, C.A., and Pollak, R.A. 1996. Economics and biodiversity, *Journal of Forestry,* 94: 34-38. *(3, 22)*
39. Montgomery, C.A. 1995. Economic analysis of the spatial dimensions of species preservation: The distribution of northern spotted owl habitat, *Forest Science* 41(1): 67-83. *(14, 30)*
40. Montgomery, C.A., Brown, G.M. Jr. and Adams, D.M. 1994. The marginal cost of species preservation: The northern spotted owl, *Journal of Environmental Economics and Management* 26: 111-128. *(125, 245)*
41. Montgomery, C.A. 1992. Explaining home improvement in the context of household investment in residential housing, *Journal of Urban Economics* 32: 326-350. *(47, 109)*
42. Montgomery, C.A., and Brown, G.M. Jr. 1992. Economics of species preservation: the spotted owl case, *Contemporary Policy Issues* 10: 1-12. *(8, 30)*
43. Montgomery, C.A., Brodie, J.D. and Cleaves, D.A. 1986. Allowable cut effect and fire-damage appraisal, *Western Journal of Applied Forestry* 1: 100-103. *(7, 7)*

♦ Articles included in collections

1. Montgomery, C.A., Brown, G.M. Jr., and Adams, D.M. 1994. The marginal cost of species preservation: The northern spotted owl. *Journal of Environmental Economics and Management* 26: 111-128.

   In: Sedjo, R.A. (ed.). 2003. Economics of forestry. Ashgate Publishing Ltd.: Aldershot, UK.

   Polasky, S. (Ed.). 2002. Economics and biodiversity conservation. Ashgate Publishing Ltd.: Aldershot, UK.

   Willis, K.G., K.J. Button, P. Nijkamp (Eds.) 1999. Environmental valuation, Vol. I. Edward Elgar Publishing Ltd.: Cheltenham, Glos, UK.

   Willis, K.G., and Garrod, G.D. 2012. Valuing Environment and Natural Resources.

Edward Elgar Publishing Ltd.: Cheltenham, Glos, UK.

2. Montgomery, C.A., Pollak, R.A., Freemark, K, and White, D. 1999. Pricing biodiversity, *Journal of Environmental Economics and Management* 38(1): 1-19.
   In: Polasky, S. (Ed.) 2002. Economics and biodiversity conservation. Ashgate Publishing Ltd.: Aldershot, UK.

♦ **Book chapters** *(ISI=51/Google=102)*

1. Haynes, R.W., Montgomery, C.A., Alexander, S.J. 2017. Wood products markets, communities, and regional economies. Ch. 4, pp. 47-61. **In:** Olson, D.H. and Van Horne, B. (eds) People, forests, and change: Lessons from the Pacific Northwest, Island Press. *(2, 4)*
2. Montgomery, C.A. and Crandall, M. 2014. Economics of old-growth forests. Ch. 10, pp. 149-161.**In:** Kant, S. and J. Alavalapati (eds.) Handbook of forest economics. Routledge Books. *(3, 3)*
3. Montgomery, C.A. 2014. Fire: an agent and a consequence of land use change. Ch. 11, pp. 281-301. **In:** Duke, J.M. and J. Wu (eds.) The Oxford handbook of land economics. UK: Oxford University Press. *(2, 9)*
4. Adams, D.M. and Montgomery, C.A. 2013. Economic analysis of forest products markets. Vol. 2. pp. 87-96. Ch. 136 **In:** Shogren, J.F. (ed.) Encyclopedia of energy, natural resource and environmental economics. Elsevier Academic Press. *(1, 4)*
5. Nelson, E., Montgomery, C.A., Conte, M., and Polasky, S. 2011. The provisioning value of timber and non-timber forest products. Ch. 8 **In**: Kareiva, P., Tallis, H., Ricketts, T.H., Daily, G., and Polasky, S. (eds.) Natural capital: Theory and practice of mapping ecosystem services, UK: Oxford University Press. *(6, 12)*
6. Konoshima, M., Montgomery, C.A., Albers, H.J., and Arthur, J.L. 2007. Effects of spatial externality on efficient spatial allocation of forest fuel management. *In:* Sasaki, N., and Yoshimoto, A. (eds.) Forest resource management and mathematical modeling, FORMATH Vol. 7., Japan Society of Forest Planning Press.
7. Montgomery, C.A. 2003. The production possibilities approach to understanding and modeling compatibility. Ch. 2 *In:* Monserud, R.A., R.W. Haynes, and A. Johnson (eds.) Compatible forest management, Dordrecht: Kluwer Academic Publishing. *(3, 5)*
8. Toppinen, A., Adams, D.M., and Montgomery, C.A. 2001. Biodiversity conservation and forest products: the case of the northern spotted owl in the Pacific Northwest, Ch. 27, p.385-394 *In:* Palo, M., J. Uusivuori and G. Mery (eds.) World forests, markets and policies, Vol. 3, Dordrecht: Kluwer Academic Publishing. *(3, 3)*
9. Montgomery, C.A., and Adams, D.M. 1995. Optimal timber management, Ch. 17, p. 379-404 *In:* Bromley, D.W. (ed.), Handbook of environmental economics, Oxford: Basil Blackwell. *(30, 62)*

♦ **Feature articles and book reviews**

1. Montgomery, C.A. 1994. Book review of "Forestry and the environment: economic perspectives", *Journal of Forestry* 92(6): 55.

♦ Reports and proceedings

1. Crandall, M.S., J.L. Harrison, and C.A. Montgomery. 2014. Incorporating Rural Community Characteristics into Forest Management Decisions, Ch. 6 *In***:** Halofsky, J., Hemstrom, M. (eds.) Integrated Landscape Assessment Methods of Analysis. Gen. Tech. Rep. PNW-GTR-896. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. *(0, 1)*
2. Latta, G., and C.A. Montgomery. 2007. Economic considerations in managing for older-forest structure. P. 95-104 in Managing for wildlife habitat in Westside production forests, Harrington, T.B., and G.E. Nicholas (tech. eds.). USDA For. Serv. Gen. Tech. Rep. PNW-GTR-695. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. *(1, 5)*
3. Montgomery, C.A. 2005. A proposal for evaluating alternative approaches to implementing sustainable forestry practices in western Oregon, Ch. 8 *In:* Deal, R. L.; S. M. White; eds. Understanding key issues of sustainable wood production in the Pacific Northwest. Gen. Tech. Rep PNW-GTR-626. Portland, OR: U.S. Department of Agriculture, Forest Service: 47-53.
4. Montgomery, C.A. 2002. Compatibility of timber and conservation: tracing the tradeoff frontier, *In:* Johnson, A. C.; Haynes, R. W.; Monserud, R. A.; eds. Congruent management of multiple resources: proceedings from the Wood Compatibility Initiative workshop. Gen. Tech. Rep. PNW-GTR-563. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. *(2, 8)*
5. Stevens, J.A. and Montgomery, C.A. 2002. A synthesis of multi-resource research with application to the Pacific Northwest: multiple use, tradeoffs, and joint production, Gen. Tech. Rep. PNW-GTR-539, Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, 44 p. *(8, 25)*
6. Montgomery, C.A., Arthur, J.L., Nalle, D.J., Polasky, S., and Schumaker, N. 2002. Land management with ecological and economics objectives: developing a production possibility set of wildlife species persistence and timber harvest value, *In:* Proceedings of the 2002 Decision-Making and Valuation for Environmental Policy Progress Review Workshop, Washington, DC.
7. Montgomery, C.A. 2001. The future of housing in the United States: An econometric model and long-term predictions for the 2000 RPA Timber Assessment, Res. Pap. PNW-RP-531. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 38 p. *(0, 4)*
8. Calkin, D., Montgomery, C.A., Schumaker, N.H., Polasky, S., Arthur, J.L., and Nalle, D.J. 2000. Modeling the compatibility of biological and economic objectives on a forested landscape, *In:* Proceedings of the 2000 International Institute of Fisheries Economics and Trade Conference, Corvallis, OR.
9. Arthur, J. L., Calkin, D., Montgomery, C.A., Nalle, D.J., Polasky, S., and Schumaker, N.H. 1999. Balancing economics and conservation in forest land management, pp. 1415-1417 *In:* Proceedings of the 5th International Conference of the Decision Sciences Institute, Athens, Greece (July 1999).
10. Adams, D.M., Montgomery, C.A., and Naito. T., 1998. Input substitution in the U.S. new construction sector: Evidence from a profit function analysis, *In:* Proceedings of the

International Symposium on Global Concerns for Forest Resource Utilization, Volume I, Miyazaki, Japan (October 1998)

11. Montgomery, C.A., and Pollak, R.A. 1995. Valuing and measuring biodiversity for comparing land-use alternatives, *In:* Proceedings for IUFRO XX World Congress, 1995 August 6-12, Tampere, Finland, (1995).
12. Montgomery, C.A. 1994. Socioeconomic risk assessment and its relation to ecosystem management, pp. 307-317 *In:* M.E. Jensen and P.S. Bourgeron, (eds.), Volume II: Ecosystem management: principles and applications, Gen. Tech. Rep. PNW-GTR-318, Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, 376 p.
13. Montgomery, C.A. and Brown Jr., G.M. 1989. The economic trade-off between anadromous fish and timber production, Research paper, Washington DC: National Fish and Wildlife Foundation.
14. Montgomery, C.A. 1989. Longrun supply and demand of new residential construction in the United States: 1986 to 2040, Res. Pap. PNW-RP-412, Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.

♦ **Contributor to**

1. An Analysis of the Timber Situation in the United States: 1999-2050: A technical document supporting the 2000 USDA Forest Service RPA Assessment.
2. Stewardship Incentives: Conservation strategies for Oregon's working landscape. by Sara Vickerman, Defenders of Wildlife.

PRESENTATIONS

♦ **National or international meetings or seminars**

1. Joint Mathematics Meeting, American Mathematical Society Special Session on the Mathematics of Natural Resource Modeling, Applications of Graph Theory to Optimize Wildlife Corridor Systems for Multiple Species: Grizzly Bear and Wolverines in the Northern Rockies, Baltimore MD (January 15-18, 2014) *invited.*
2. Joint Mathematics Meeting, American Mathematical Society Special Session on the Mathematics of Natural Resource Modeling, Applications to Wildfire and Fire Fuels Management in Forest Landscape-level Planning, San Diego CA (January 9-12, 2013) *invited.*
3. 5th International Fire Ecology and Management Congress, Association of Fire Ecology. Incorporating wildfire risk into operations research methods, Portland OR (December 3-7, 2012) *invited.*
4. IUFRO International Conference on New Frontiers of Forest Economics, Institutional Environments and Arrangements for Managing Complex Aquatic Ecosystems in Forested Landscapes, ETH Zurich, Switzerland (June 27-29, 2012).
5. Norwegian University of Life Sciences Seminar, Letting Wildfire Burn: When Does a Fire Do More Good Than Harm?, Ås, Norway (June 16, 2011) *invited.*
6. Norwegian University of Life Sciences Seminar, Economics of Biodiversity Protection in

Forests, Ås, Norway (June 16, 2011) *invited.*

7. Wildfire: Economics, Law & Policy Symposium, John M. Olin Program in Law and Economics at University of Chicago Law School and Program on Economics, Law and the Environment at University of Arizona, discussant for "The Political Economy of Federal Wildfire Management Budgets" by Sarah Anderson and Terry Anderson, University of Arizona, Tucson, AZ (November 12-13, 2010). *invited.*
8. Institute for Operations Research and Management Science, annual meeting, Letting Wildfires Burn, Austin TX (November 7-10, 2010).
9. University of Wyoming, Department of Economics and Finance Seminar, Economics of biodiversity protection on forested landscapes: An overview, Laramie, WY (October 1, 2010).
10. Institute of Computational Sustainability CompSust09 1st International Conference. Optimal Forest Fire Fuel Treatment and Timber Harvest in the Face of Endogenous Spatial Risk, Cornell University, Ithaca, NY (June 8-11, 2009) *invited.*
11. Institute of Computational Sustainability "Kick-off" meeting: Modeling spatial endogenous fire risk in forests of eastern Oregon, Cornell University, Ithaca, NY (Nov. 21, 2009) *invited.*
12. NSF Pan American Advanced Study Institute Human, Physical, and Natural Capital Investment in Patagonia: A Predictive Approach under the Sustainability Criterion, University of Concepcion, Concepcion, Chile (August 10 - 23, 2008). *invited.*
13. University of California at Davis, Agriculture and Resource Economics Department Lunchbox Seminar series, Economics of biodiversity protection on forested landscapes in the Pacific Northwest: An overview, Davis, CA (April 28, 2008).
14. American Agricultural Economics Association, annual meeting, Risks to forest ecosystems, session moderator, Portland OR, (July 29-31, 2007).
15. Sustainable Forest Management Network, proposal development workshop, Integrating Biological and Economic Models for Evaluating Trade-Offs Between Timber Production and Wildlife, Vancouver BC (July 11-12, 2005). *invited.*
16. Institute for Operations Research and Management Science, annual meeting, Modeling the Effects of Old Forest Structural Management on Private Timber Supply in Western Oregon, Denver CO (October 24-26, 2004).
17. Western Economics Association International, annual meeting, Weighing conservation objectives: maximum expected coverage versus endangered species protection, Vancouver BC, (June 30-July 3, 2004). *invited.*
18. Western Economics Association International, annual meeting, Modeling joint production of wildlife and timber in forests, Vancouver BC, (June 30-July 3, 2004). *invited.*
19. International Center for Theoretical Physics, Workshop, Modeling reserves on a working landscape, Trieste, Italy (April 19-21, 2004), *invited*.
20. U.S. Environmental Protection Agency Decision-making and Valuation for Environmental Policy STAR Grant workshop, Land management with biological and economic objectives, Washington, DC, (March 21-22, 2002).
21. Allied Social Sciences Association, Association of Environmental and Resource Economists, annual meetings, Land management with biological and economic objectives, Atlanta, GA, (January 4-6, 2002).
22. Allied Social Sciences Association, Association of Environmental and Resource

Economists, annual meetings, Cost effective management for biodiversity and timber in the Coast Range of Oregon, Atlanta, GA, (January 4-6, 2002).

23. University of Minnesota Conservation Biology seminar series, Efficient forest land management for timber harvest and wildlife species survival: case studies in the Western Central Cascades of Oregon., St. Paul MN, (Feb. 26, 2001). *invited.*
24. University of Minnesota Resource Economics seminar series, Cost-effective biodiversity: case studies in Monroe County Pennsylvania and the Oregon Coast Range, St. Paul MN, (Feb. 27, 2001) *invited.*
25. International Institute of Fisheries Economics and Trade, 2000 International Conference, Modeling the Compatibility of Biological and Economic Objectives on a Forested Landscape, Corvallis OR, (July 10-14, 2000). *invited*
26. U.S.D.A. Forest Service, invited seminar, A Framework for Analyzing Biodiversity Conservation: Land Management with Biological and Economic Objectives, Washington D.C., (April 8, 1999).
27. Institute for Operations Research and Management Science, annual meeting, Pricing Biodiversity, Montreal Canada, (April 26-29, 1998).
28. American Forest and Paper Association, 3rd Review Session on Assumptions for the 1999 Resources Planning Act Timber Assessment, Long term Predictions of Indicators of Housing Market Activity, Washington DC, (December 10, 1997).
29. Allied Social Sciences Association, Association of Environmental and Resource Economists, annual meetings, Pricing biodiversity, New Orleans, LA, (January 4-7, 1997).
30. American Real Estate and Urban Economics Association, mid-year meetings, A Structural Model of the U.S. Housing Market, National Association of Home Builders, Washington, D.C. (May 27-29, 1996).
31. International Union of Forestry Research Organizations, biennial meetings,Valuing and measuring biodiversity for comparing land-use alternatives, Tampere, Finland, (August 6-12, 1995).
32. Allied Social Sciences Association, Association of Environmental and Resource Economists, annual meetings, Economic analysis of the spatial dimensions of species preservation, Boston, MA. (January 3-5, 1994).

♦ **Local or regional meetings**

1. Western Forest Economists, annual meeting, Institutional Environments and Arrangements for Managing Complex Aquatic Ecosystems in Forested Landscapes, Newport, OR. (June 10-12, 2012).
2. Mealey, Boise, Noble, Boone and Crockett Research Program Advisory Committee Meeting, Economics of Wildfire Management in the Fire-Adapted Forests of the Western U.S.: Ongoing Research. Oregon State University, College of Forestry, Corvallis, OR (June 8, 2012).
3. Institute for Computational Sustainability and Cornell Artificial Intelligence virtual seminar series, Reintroducing Wildfire into Fire-Adapted Forests: Progress on Modeling the Let-Burn and Fuel Treatment Decisions, (April 20, 2012).
4. Integrated Landscape Analysis Program, webinar, Incorporating Rural Community

Characteristics into Forest Management Decisions: Update, Oregon State University, Corvallis, OR (Jan. 10, 2012).

5. Mealey, Boise, Noble, Boone and Crockett Research Program Advisory Committee Meeting, Economics of Forest and Community Health: Research Related to Forest Wildfire Management. Oregon State University, College of Forestry, Corvallis, OR (May 23, 2011).
6. Integrated Landscape Analysis Program, webinar, Incorporating Rural Community Characteristics into Forest Management Decisions, Oregon State University, Corvallis, OR (Jan. 24, 2011).
7. Interagency Mapping and Assessment Program, User Group meeting, Incorporating Rural Community Characteristics into Forest Management Decisions, USDA Forest Service Pacific Northwest Research Station, Portland OR (Feb. 12, 2011).
8. Oregon Resource and Environmental Economics, fall workshop, Letting it burn? Issues in modeling wildfires in the western U.S., Willamette University, Salem, OR (Nov. 19, 2009).
9. Western Forest Economists, annual meeting, Optimal Forest Fire Fuel Treatment and Timber Harvest in the Face of Endogenous Spatial Risk: the Next Step, Wemme, OR (May 4-6, 2009).
10. Giustina Professorship Seminar, Sustainable Management of Planted Forests for a Broad Suite of Management Goals in Support of a Vibrant Forest Economy for Oregon, Oregon State University, Corvallis, OR, (May 28, 2009).
11. Managing for Wildlife Habitat in Westside Production Forests Symposium. Economic Considerations in Managing for Older Forest Structure. Vancouver, WA (October 18, 2006) presented by G. Latta.
12. Western Forest Economists, annual meeting, Weighing conservation objectives in reserve network design, Wemme, OR (May 3-5, 2004)
13. U.S.D.A. Forest Service, Sustainable Wood Production Initiative Workshop, invited, Achieving sustainable forestry: Regulations or incentives? Portland, OR (Nov. 7, 2003).
14. University of Minnesota, Workshop on Biodiversity Conservation in a Working Landscape, St. Paul, MN (April 13-14, 2003) participant – *invited to participate.*
15. U.S.D.A. Forest Service, Wood Compatibility Initiative Workshop, invited, Compatibility of timber and conservation: tracing the trade-off frontier, Skamania, WA. (Dec. 5-7, 2001).
16. Oregon Department of Forestry, symposium, Conservation incentives and forest stand structure, Oregon State University, Corvallis, OR, (Oct. 18, 2001)
17. Western Forest Economists, annual meetings, Developing a production possibility set of wildlife species persistence and timber harvest value using simulated annealing: two case studies, Wemme, OR, (May 5-7, 2001).
18. Mikesell Center for Environmental and Resource Economics, Pacific Northwest Conference on Environmental and Resource Economics, Pricing biodiversity, Eugene, OR, (May 21-22, 1999).
19. U.S.D.A. Forest Service, 4th Review Session on Assumptions for the 1999 Resources Planning Act Timber Assessment, Housing market projections and scenarios, Salem OR, (Sept. 1-3, 1998).
20. U.S. Environmental Protection Agency, Biodiversity Research Consortium, invited, Pricing

biodiversity: An application in the Poconos, Corvallis, OR, (May 27-28, 1998).
21. Western Forest Economists, annual meetings, Housing market projections for the 2000 RPA Timber Assessment, Wemme, OR, (May 4-6, 1998).
22. U.S. D. A. Forest Service, 2nd Review Session on Assumptions for the 1999 Resources Planning Act Timber Assessment, Long term predictions of indicators of housing market activity, Corvallis, OR, (August 5-6, 1997).
23. Western Forest Economists, annual meetings, Pricing biodiversity, Wemme, OR, (May 5-7, 1997).
24. Western Forest Economists, annual meetings, A structural model of the U.S. housing market, Wemme, OR, (May 1-3, 1995).
25. Society of American Foresters, Montana state chapter, invited, One economist's view of value and resource use conflict, Missoula, MT, (October 1994).
26. Western Forest Economists, annual meetings, Spatial constraints and the northern spotted owl, Wemme, OR. (May, 1992).
27. Western Forest Economists, annual meetings, Forest policy and risk, Wemme, OR. (May, 1992).
28. Western Economics Association, annual meetings, Marginal cost of species preservation, Seattle, WA., (June, 1991).

♦ **Graduate Student Presentations**

1. Western Forest Economists, annual meeting, Machine learning methods to improve fire suppression policies on simulated landscapes. Vancouver, BC, Jun 1-2, 2015. Presented by Hailey Buckingham.
2. Oregon State University Department of Forest Ecosystems and Society, Fall Seminar Series, Incorporating rural community characteristics into forest management decisions, (November 1, 2012), presented by Mindy Crandall.
3. UW-Milwaukee School of Freshwater Sciences, Social capital and rural community development, Milwaukee, WI (Aug 5, 2012), presented by Jane Harrison.
4. USDA Forest Service Office of Policy Analysis, Finding common ground: case studies of rural communities and USFS collaboration, Washington, DC (July 11, 2012), presented by Jane Harrison.
5. Western Forest Economists, annual meeting, Changing housing density, Newport, OR, (June 10-12, 2012), presented by Yohan Lee.
6. International Association for Society and Natural Resources, annual symposium, The impact of social capital on adaptive capacity, Edmonton Alberta CAN (June 10, 2012), presented by Jane Harrison.
7. Association for Fire Ecology, Interior West Fire Ecology Conference, Letting Wildfires Burn, Snowbird UT (November 14-17, 2011). Presented by Rachel Houtman.
8. Rural Sociology Society annual meeting, Incorporating rural community characteristics into forest management decisions, Boise, ID, July 28-31, 2011. Presented by Jane Harrison.
9. Western Forest Economist, annual meeting, Letting wildfires burn: Modeling the change in future suppression costs as a result of a let-burn rather than a suppress management choice. Wemme, OR, May 10-12, 2011. Presented by Rachel Houtman.
10. Western Forest Economist, annual meeting, Incorporating rural community characteristics

into forest management decisions, Wemme, OR, May 10-12, 2011. Presented by Mindy Crandall.

11. International Association of Landscape Ecologists, U.S. Chapter, annual meeting, Incorporating Rural Community Characteristics Into Fuel-Reduction Treatment Decisions, Portland OR, (April 3-7, 2011). Presented by Mindy Crandall.
12. Rural Voices for Conservation Coalition, annual meeting, Incorporating rural community characteristics into forest management decisions, Portland OR, (December 8, 2010). Poster presented by Jane Harrison and Mindy Crandall.
13. American Agricultural Economics Association, annual meeting, Spatial Endogenous Fire Risk and Efficient Fuel Management and Timber Harvest, Portland OR, (July 29-31, 2007). Presented by Masashi Konoshima.
14. American Agricultural Economics Association, annual meeting, Interaction of Private and Public Forest Fire Risk Management Decisions, Portland OR, (July 29-31, 2007). Presented by Gwen Busby.
15. USDA Forest Service Sustainable Wood Production Initiative Symposium. The opportunity cost of forest certification on private land in western Oregon. Vancouver, WA (Nov. 30-Dec. 1, 2005). Presented by Gwen M. Busby.
16. Pacific Northwest Regional Economics Conference (PNREC). Effects of Spatial Externalities on Efficient Spatial Allocation of Forest Fuel Management. Portland, OR (May, 2006). Presented by Masashi Konoshima.
17. Institute for Operations Research and Management Science (INFORMS), annual meeting. Spatially Explicit Closed Loop Inter-temporal Decision Making under the Risk of Fire. San Francisco, CA (Nov. 2005). Presented by Masashi Konoshima.
18. Western Forest Economist, annual meeting, Spatially Explicit Closed Loop Inter-temporal Decision Making under the Risk of Fire. Wemme, OR, (May 2005) Presented by Masashi Konoshima.
19. Symposium for Systems Analysis in Forest Resources, Combining market and traditional values in tribal forestry using interactive forest decision synthesis (INFODS), Stevenson, WA (Oct. 2003). Poster presentation by Masashi Konoshima.
20. Oregon State University. Department of Agricultural and Resource Economics Seminar (AREC). Voluntary conservation of endangered species: when does 'no surprises' mean no conservation? Corvallis, OR (April 11, 2002). Presented by C. Langpap.
21. Western Forest Economists (WFE), annual meeting. Conservation of endangered species: can incentives work for private forest owners? Welches, OR, (May 7, 2002) Presented by C. Langpap.
22. Second World Congress of Environmental and Resource Economists. Voluntary conservation of endangered species: when does 'no surprises' mean no conservation? Monterey, CA, (June 24, 2002). Presented by C. Langpap.
23. American Agricultural Economics Association (AAEA), annual meeting. Voluntary conservation of endangered species: when does 'no surprises' mean no conservation? Long Beach, CA, (July 2002). Presented by C. Langpap.
24. International Federation of Operations Research Societies (IFORS), Systems Analysis Forestry Symposium. Economic impacts of adjacency and green-up constraints for harvest scheduling. Punta de Tralca, Chile (March 4-7 2002). presented by D.J. Nalle.
25. Western Forest Economists (WFE), annual meetings, Cost effective management for

biodiversity and timber in the Oregon Coast Range, Wemme, OR (May 5-7, 2001). presented by M.E. Lichtenstein.

26. USDA Forest Service Tahoe National Forest seminar, Efficient economic and ecological production. Nevada City, CA (Dec. 2001) presented by D.J. Nalle.
27. Institute for Operations Research and Management Science (INFORMS) general meeting, Finding efficient combinations of economic and ecological landscape uses, Miami Beach, FL (Nov. 5, 2001) presented by Darek J. Nalle.
28. Institute for Operations Research and Management Science (INFORMS) general meeting, The effect of existing reserves on optimal reserve design, Miami Beach, FL (Nov. 5, 2001) presented by Darek J. Nalle.
29. University of Nevada resource economics seminar, Empirically finding production possibility frontiers of economic and ecological landscape outputs. Reno, NV (Oct. 10, 2001) presented by Darek J. Nalle
30. University of Nevada seminar, Optimality in spatial nature reserve design. Reno, NV (March 29, 2001) presented by Darek J. Nalle.
31. Institute for Operations Research and Management Science (INFORMS) spring meetings, Maximal species survivability as a function of timber harvest volume, Salt Lake City UT (May 2000). Presented by D.J. Nalle.
32. Institute for Operations Research and Management Science (INFORMS), Land management with biological and economic objectives, Cincinnati, (May 3-5, 1999). presented by David Calkin.
33. Western Forest Economists (WFE), Land management with biological and economic objectives, Wemme, OR. (May 10-12, 1999). presented by David Calkin.

RESEARCH GRANTS

1. New Computational Tools for Sustainable Ecosystem Management, Lead PI: T.D. Dietterich (EECS), Co-PIs: C.A. Montgomery, H.J. Albers, R. Metoyer (EECS), National Science Foundation, Total: *$1,199,577,* Montgomery portion *$278,125* (2013-2016).
2. Cost-effective forest wildfire management: Incentives matter, C.A. Montgomery, USDA Forest Service *$62,528* (2011-2015).
3. Economics of forest policy, T.C. Maness and C.A. Montgomery, USDA Forest Service *$102,730* (2011-2012).
4. Integrating ecological and social data to optimize economic decisions on wildlife corridors, C.A. Montgomery, USDA Forest Service *$69,686* (2010-2014).
5. Prioritize fuel treatments by estimating restoration potential and understanding their effects: Community economics of fuel treatments, USDA Forest Service, Lead PI: Lisa Gaines, at OSU-INR, Steve Tesch at OSU-CoF, Co-PIs: C.A. Montgomery, A. Morzilla, M. Wing, USDA Forest Service, Total: *$3,254,570,* CoF portion: *$947,098*, Montgomery portion *$222,125* (2009-2013).
6. Letting fires burn: a cost benefit analysis of wildlfire as fuel treatment, C.A. Montgomery, USDA Forest Service *$40,100* (2009-2011).
7. Community considerations in prioritizing fuel treatments, C.A. Montgomery, USDA Forest Service *$100,026* (2009-2014).

8. Expeditions in computing, computational sustainability: Computational Methods for a Sustainable Environment, Economy, and Society, Lead PI: C. Gomes at Cornell U., at OSU: T. Dietterich (EECS), C.A. Montgomery and H.J. Albers, National Science Foundation, Total: *$5,990,621,* OSU portion: *$1,058,321*, Montgomery portion *$245,000* (2008-2013).
9. Models to improve the effectiveness of wildland fire suppression, H.J. Albers and C.A. Montgomery, USDA Forest Service *$45,000* (2007-2010).
10. Extensions of RPA timber assessment modeling, D.M. Adams and C.A. Montgomery, USDA Forest Service *$49,999* (2006-2011).
11. Interaction of private and public forest fire risk management decisions, C.A. Montgomery, USDA Forest Service *$25,499* (2006-2009).
12. Changing housing density in the rural Midwest, C.A. Montgomery, USDA Forest Service *$46,315* (2003-2009).
13. Modeling compatibility of timber, biodiversity, and old forest structure with fire risk, C.A. Montgomery, USDA Forest Service *$34,674* (2003-2008).
14. Achieving sustainable forestry: Incentives or regulations?, C.A. Montgomery, USDA Forest Service *$48,885* (2003- 2006).
15. A temporal and spatial analysis of Oregonians' willingness to pay for salmon, C.A. Montgomery, USDA Forest Service *$8,575* (2003-2005).
16. Modeling private nonindustrial forest landowners and conservation incentives, C.A. Montgomery, USDA Forest Service *$72,287,* (2000-2003).
17. Compatibility of timber and conservation: tracing the trade-off frontier, C.A. Montgomery, USDA Forest Service *$55,956*, (2000-2004).
18. Modeling the impact of incentive, regulation, and taxation packages on Oregon forest landowner behavior, C.A. Montgomery, Oregon Department of Forestry *$40,062,* (2000-2001).
19. Pricing biodiversity: an application in the Muddy Creek Basin of Oregon, C.A. Montgomery, USDA Forest Service *$16,321*, (1997-2001).
20. Land management with biological and economic objectives, C.A. Montgomery, S. Polasky, N. Schumaker, J. Arthur, USDA Forest Service *$31,500*, EPA Star Grant *$131,090,* (1997-2002).
21. Residential housing starts and expenditure on upkeep and improvement in the U.S.: Projection and trends for the 1997 RPA Timber Assessment, C.A. Montgomery, USDA Forest Service *$29,966*, (1996-2001).
22. Estimating cross-price elasticities of demand for solidwood products and substitutes in the U.S., D.M. Adams and C.A. Montgomery, USDA Forest Service *$36,327*, (1995-1998).
23. The definition and measurement of biodiversity: a welfare based index approach, C.A. Montgomery, USDA Forest Service *$74,000*, (1994-1997).
24. Historical levels of forest resource production in National Forests in the Rockies, C.A. Montgomery, USDA Forest Service *$8,000*, (1994-1995).
25. Public preferences and the demand for biodiversity, C.A. Montgomery, McIntire-Stennis Forestry Research Grant Program *$27,000*, (1994-1995).
26. Economic analysis of the spatial dimensions of species preservation: the distribution of northern spotted owl habitat, C.A. Montgomery, USDA Forest Service *$15,000*, (1993-1994).

27. The demand for investment in the residential housing stock: New construction and improvement of existing stock, C.A. Montgomery, USDA Forest Service *$14,000*, (1993-1995).
28. The role of risk and uncertainty in demand for forest uses: Ecosystem management as a response, C.A. Montgomery, USDA Forest Service *$7,000*, (1993-1994).
29. Socioeconomic analysis of proposed wolf recovery in central Idaho and Yellowstone National Park, J. Duffield, D. Pletscher, C.A. Montgomery and others, U.S. Fish and Wildlife *$35,000*, (1993-1994).
30. The marginal cost of species preservation: the northern spotted owl, C.A. Montgomery, USDA Forest Service *$14,000,* (1992-1994).

COURSES TAUGHT

♦ Undergraduate

Forest Resource Economics I
Forest Resource Economics II
Forest Resource Valuation
Economics and Policy of Wildland Fire

♦ Graduate

Advanced Forest Economics
Discovery Seminar Series
Economics of the Forest Resource
Microeconomic Theory
Market Tools for Managing Greenhouse Gas Emissions

♦ Guest Lecturer

Careers and Issues in Forestry
Sustainable Forest Management
Forest Policy Analysis
Forest Products: Wood as a Resource for Housing Forest and Wildlife Interface
Forest Products Merchandising
Introduction to Forestry
Introduction to American Forestry Issues
Issues in Natural Resources Measurement of Biodiversity
Wildlife Habitat Management

♦ Teaching Assistant

Principles of Microeconomics Principles of Macroeconomics

♦ Continuing Education

National Advanced Silviculture Program (NASPII) Inventory Modeling and Decision Support Workshop Economics Module

GRADUATE STUDENTS

♦ **Major Professor**

1. Chris Lauer — Ph. D. Applied Economics (2017)
   - paper: Determining optimal timber harvest and fuel treatment on a fire-threatened landscape using approximate dynamic programming
   - employed: economist, USDC National Oceanic and Atmospheric Administration
2. Aaron Gagnon — M.S. Sustainable Forest Management (2015)
   - paper: Economic benefit from allowing wildfires to burn in federal east-side Cascade forests
   - employed: forester, USDA Forest Service, Washington Office
3. Kate Marcille — M.F. Sustainable Forest Management (2015)
   - paper: Analyzing suppression resource allocation and productivity on large wildland fires
   - employed: research associate, BBER, University of Montana
4. Mindy Crandall — Ph.D. Applied Economics (2014)
   - dissertation: The effects of increased supply and emerging technologies in the forest products industry on rural communities in the northwest U.S.
   - employment: assistant professor, Oregon State University
5. Jane Harrison — Ph.D. Forest Resources (2013)
   - dissertation: The impact of social capital on well-being in rural communities
   - employed: economist, Sea Grant, North Carolina State University
6. Yohan Lee, — M.S. Applied Economics (2012)
   - paper: Changing housing density in the rural Midwest
   - employed: associate professor, Yeungnam University, South Korea
7. Rachel Houtman, — M.S. Forest Resources (2011)
   - thesis: Letting wildfires burn: Modeling the change in future suppression costs as the result of a suppress versus a let-burn management choice
   - employed: faculty research assistant, Oregon State University
8. Gwen Busby, — Ph.D. Forest Resources, co-chair Albers (2008)
   - dissertation: Interaction of private and public forest fire risk management decisions
   - employed: economics consultant, Greenwood Resources, Inc.
9. Masashi Konoshima, — Ph.D. Forest Resources, co-chair with Arthur (2006)
   - dissertation: Spatially explicit intertemporal forest management decision under the risk of fire
   - employed: associate professor, University of the Ryukyus, Okinawa, Japan
10. Christian Langpap, — Ph.D. Agricultural and Resource Economics, co-chair Polasky (2002)
    - dissertation: Modeling private nonindustrial forest landowners and conservation incentives
    - employed: associate professor, Oregon State University, Agricultural and

Resource Economics.

11. Darek Nalle, Ph.D. Forest Resources, co-chair with Arthur (2001) dissertation: Optimizing spatial and temporal aspects of nature reserve design under economic and ecological objectives
    employed: research forester, USFS Rocky Mountain Research Station
12. David Calkin, M.S., Resource Conservation (1994), Ph.D. Forest Resources (2001)
    dissertation: Land management with ecological and economic objectives: developing a production possibility set of wildlife species persistence and timber harvest value using simulated annealing
    employed: research forester, USFS Rocky Mountain Research Station
13. Mark Lichtenstein, M.S. Forest Resources (2001)
    thesis: Tradeoffs associated with managing forested landscapes for timber and biodiversity: A case study in the Oregon Coast Range
    employed: Branch Chief Fire Planning and Budget, USDA Forest Service, D.C.
14. Neal Shunk, M.S. Forest Resources (2000)
    thesis: Choosing efficient land allocations and forest management regimes for biodiversity
    employed: forest economist, Weyerhauser
15. Reena Hunter, M.S. non-thesis, Resource conservation (1996)
16. Gumani David Mbulaheni, M.S. non-thesis, Forest economics (1995)
    employed: district manager, South African Forestry Company, LTD

♦ **Minor Professor**

1. Xiaoou Han, Ph.D., Wood Science and Engineering (ch. Hansen exp. 2012)
2. Mindy Crandall, M.S., Agricultural and Resource Economics (ch. Weber, 2003)
3. Jessica Leahy, M.S. Forest Resources (ch. Johnson, 2001)
4. Beth Dodson Coulter, M.S., Forest Engineering (ch. Olsen, 1999)
5. Gerald Barton, M.S., Agricultural Education and General Agriculture (ch. Sharrow, 1999)

♦ **Committee Member**

1. Ashley Heutmaker, MS, Water Resource Engineering (ch. Wildenschild 2019) GCR
2. Stephanie Bianco, MS, Water Resource Engineering (ch. Jones 2018) GCR
3. Joseph Maurer, PhD, Statistics (ch. Fuentes, Madsen, 2017) GCR
4. Kim Ogren, MS, Water Resources (ch. Wolf 2012) GCR
5. TaeYoung Kim, PhD, Applied Economics (ch. Langpap 2012)
6. Arijit Sinha, PhD, Wood Science and Engineering (ch. Nairn, Gupta, 2010) GCR
7. Fabio Goncalves, PhD, Forest Science (ch. Law 2013) GCR
8. Edward Stone, PhD, Agriculture and Resource Economics (ch. Wu, dropped)
9. Sergio Orrego, PhD, Forest Resources (ch. Adams, 2009)
10. Matthew Thompson, PhD, Forest Engineering (ch. Sessions, 2009)

11. Nicolas Zegre, MS, Forest Engineering (ch. Skaugset, 2008) GCR
12. Cheney Vidrine, MS, Wood Science and Engineering (ch. Morrell, 2008) GCR
13. Eun Ho Im, Ph.D. Forest Resources (ch. Adams, 2007)
14. Jenny Dauer, Ph.D. Forest Science (ch. Perakis, dropped) GCR
15. Stacy Ryan, M.A. Music (ch. Bull, 2008) GCR
16. Pablo Crespell, Ph.D. Wood Science and Engineering (ch. Hansen, 2007) GCR
17. Holly Barnard, Ph.D. Forest Science (ch. Bond, 2009) GCR
18. Maniselvan Balasubramanian, M.A. Environmental Sciences (ch. Jaeger, 2007)
19. David Lewis, PhD, Agricultural and Resource Economics (ch. Plantinga, 2005)
20. Kate Quigley, Ph.D., Agricultural and Resource Economics (ch. Silvia dropped)
21. Ted Helvoigt Ph.D, Forest Resources (ch. Adams, 2006)
22. Adam Taylor, Ph.D., Wood Science and Engineering (ch. Gartner, 2004) GCR
23. Sheng-fai Han, Ph.D., Agricultural and Resource Economics (2003)
24. Nianfu Song, M.S., Forest Resources (ch. Adams, dropped)
25. Jon LeBre, M.S., Forest Resources (ch. Adams, 2002)
26. Cyndy Hines, Ph.D., Forest Science (2002, dropped) GCR
27. Amy Grotta, M.S., Wood Science & Engineering, Forest Science (ch. Gartner 2002) GCR
28. Deborah Burke, M.S., Fisheries Science/Anthropology (ch. 1999)
29. John Perkins, M.S., Forest Resources (ch. Ripple, 1999)
30. Yeon-Su Kim, PhD, Forest Resources (ch. R. Johnson, 1998)
31. Keith Swindle, M.S., Wildlife Science (1997) GCR
32. Heather Bonin, M.S., Forest Science (1997) GCR
33. Peter Gorsevski, M.S., Forest Engineering (1996) GCR
34. Thomas Baumeister, Ph.D., Forestry, (ch. Salwasser, 1995)
35. Chris Gebhardt, Ph.D., Forestry (ch. Salwasser, 1995)
36. Greg Shildwachter, Ph.D., Forestry (ch. Salwasser, 1995)
37. Yeong Wan Seo, Ph.D., Forestry (ch. Adams, 1995)
38. Matthew Johnson, M.S., Resource conservation (ch. Jackson, 1995)
39. Tim Bryggman, M.S., Economics (ch. Dalenberg, 1995)
40. Eric Schuck, M.S., Economics (ch. Wicks, 1995)
41. Mick Womersley, M.S., Resource conservation (ch. McQuillan, 1995)

PROFESSIONAL SERVICE

Bolle Center for People and Forests, Advisory Council, University of Montana (1993-1994)
Western Forest Economists, Board of Directors, **chair** (2010-2016), member (1996-2009), Vice President (2000-2001), President (2001-2002)
Environmental Protection Agency, Review panel for EPA Star Fellowship Program (2004)
Long Term Ecological Research Network (LTER) Planning Project – Meeting of 100 Scientists (2004)
Editorial Board, Natural Resource Modeling (2012-2014)
Associate Editor, Forest Science (1998-2001)

HONORS AND AWARDS

Dean's Award for Outstanding Achievement in Resident Undergraduate and Graduate Instruction (2004), Oregon State University, College of Forestry

Outstanding Professor of the Year (1995), University of Montana, School of Forestry.

First Prize in Dissertation Competition (1992), American Real Estate and Urban Economics Association and Homer Hoyt Institute.