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SCHOOL OF FORESTRY AND NATURAL RESOURCES
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CURRICULUM VITAE
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EDUCATION

Ph.D., Forest Resources, Oregon State University, 1996.
M.S., Forest Economics / Management, Virginia Polytechnic Institute and State University, 1989.
B.S., Forestry, Virginia Polytechnic Institute and State University, 1987.

ACADEMIC POSITIONS HELD

Leon "Buddy" Hargreaves Jr. Distinguished Professor in Forest Management, University of Georgia, 2019-present.
Professor, School of Forestry and Natural Resources, University of Georgia, 2009-present.
Interim Associate Dean for Academic Affairs, School of Forestry and Natural Resources, University of Georgia, 2015.
Faculty Fellow, Institute of Artificial Intelligence, University of Georgia, 2004-present.
Associate Professor, School of Forestry and Natural Resources, University of Georgia, 2002-2009.
Assistant Professor–Senior Research, Department of Forest Resources, Oregon State University, 1998-2002.
Faculty Research Associate, Department of Forest Resources, Oregon State University, 1996.
Faculty Research Assistant, Department of Forest Engineering, Oregon State University, 1991-1993.

NON-ACADEMIC POSITIONS HELD

Geographic Information Systems Manager, Champion Pacific Timberlands, Inc., Puyallup, WA, 1997-1998.
Research Forester, Champion International Corporation, Puyallup, WA, 1996-1997.
Economist, USDA Forest Service, Pacific Northwest Research Station, Corvallis, OR, 1993-1996.
Volunteer, GIS Department, Siuslaw National Forest, Corvallis, OR, 1991-1994.
Research Forester, Procter & Gamble Cellulose, Perry, FL, 1990-1991.
Resource Planning Forester, Procter & Gamble Cellulose, Perry, FL, 1989-1990.
Forest Technician, Sierra Pacific Industries, Redding, CA, 1989.
Independent Contractor, Site preparation burning, Chesterfield, VA, 1987.
Forester (Cooperative ed.), Continental Forest Investments, Prince George, VA, 1985-1987; Taylor, FL, 1984.

FIELDS OF SPECIALIZATION

Forest Planning and Management, Harvest Scheduling, Geographic Information Systems, Global Positioning Systems

TEACHING EXPERIENCE

University of Georgia, Regular Academic Courses

Advanced Forest Planning (FORS 8450), 2003-2018.
Advanced GIS (FORS 7210), 2005.
Aerial Photogrammetry in Forestry (FORS 5650 / 7650), 2004-2019.
Describing Land (FYOS 1001), 2016-2018.
Field Orientation and Measurements in Forest Resources (FANR 3000), 2002-2018.
Forest Planning (FORS 4710 / 6710), 2003-2019.
Forestry Information Systems (FORS 5670 / 7670), 2012-2018.
GIS Applications in Forestry (FORS 5630 / 7630 / 8980), 2007, 2009.
Introduction to Forestry (FORS 1000), 2014-2019.
Prescribed Fire (FORS 5610 / 7610), 2006-2007.
Southern Forestry (FORS 5700 / 7700), 2019.
Understanding GPS (FYOS 1001), 2014-2017.

Oregon State University, Regular Academic Courses

Accuracy Assessment of Remotely Sensed Databases (Forest Resources 505), 2001.
Aerial Photograph Interpretation and Forest Measurements (Forest Resources 220), 2000-2002.
Engineering Computations Laboratory (Forest Engineering 215), 1995-1996.
Forest Data Management with Visual Basic (Forest Resources 405 / 505), 2000-2001.
Forest Resource Planning and Decision Making (Forest Resources 459), 2001.
GIS Applications in Forestry (Forest Resources 499 / 599), 1999-2002.
Stand-Level Optimization (Forest Resources 605), 2001.

Continuing Education Courses

Advanced ArcGIS with Raster Data, University of Georgia (2011).
Aerial Photogrammetry Refresher, University of Georgia (2004, 2010-2011).
Forests and Hurricanes: Impacts and Planning Considerations, University of Georgia (2010, 2012, 2019).
Forest Data Management with Visual Basic, Oregon State University (2000), University of Georgia (2003).
Forest Management I: Tree- and Stand-Level Decisions, University of Georgia (2010-2012).
Forest Management II: Forest-Level Decisions, University of Georgia (2011).
Forest Planning Heuristics, University of Georgia (2011).
GPS for Beginners, University of Georgia (2007-2014).
GPS Research in Natural Resources, University of Georgia (2010, 2011).
Interpreting Aerial Images of Rural Landscapes, University of Georgia (2018-2019).
Introduction to ArcView 3.x and ArcGIS 9.x, University of Georgia (2007).
Introduction to ArcGIS, University of Georgia (2008-2017).
Introduction to GPS, University of Georgia (2018).
Managing Forest Landscapes for Ecosystem Values (Tactical planning part), Oregon State University (1994-1995).
Map Making: The Basics, University of Georgia (2016).
Online Mapping Services for Foresters, University of Georgia (2012-2014).

Distance Education Courses

Forest Fragmentation and Land Use Change, University of Georgia (2009). 1.5 CFE credits.
Introduction to GPS, University of Georgia (2010). 1.0 CFE credits.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society of American Foresters, 1987-present.

- a. Working Group E2, Land Use Planning, Management, and Organization.
 - 1) Chair, 2001-2002; 2011-2012.
 - 2) Chair-Elect, 1999-2000.
 - 3) Secretary, 2005-2007, 2012-2014.
- b. Oconee Chapter (GA) 2002-present.
- c. Mary's Peak Chapter (OR) 1991-1996, 1998-2002.
 - 1) Delegate at Large, 1994.
- d. South Puget Sound Chapter (WA) 1996-1998.
- e. Choctawhatchee Chapter (FL) 1989-1991.
- f. Virginia Tech Student Chapter 1987-1989.

Xi Sigma Pi, 1985-present.

OTHER PROFESSIONAL ACTIVITIES

Membership on Editorial Boards - Current

European Journal of Forest Engineering, 2015-present.
Forest Science, 2005-present.
Forests, 2017-present.
Journal of Forest Planning, 2017-present.
Journal of Sustainable Forestry, 2004-present.
Mathematical and Computational Forestry & Natural-Resource Sciences, 2008-present.
Silva Fennica, 2019-present

Membership on Editorial Boards - Past

International Journal of Forestry Research, 2008-2009.
Research Journal of Forestry, 2010-2015.
Southern Journal of Applied Forestry (Guest Associate Editor), 2013.
The Open Forest Science Journal, 2011-2015.
Western Journal of Applied Forestry, 1998, 2006-2013.

International Activities and Associations

Coordinator, IUFRO Division 4.04.00 - Forest management planning, 2020-present.
 Deputy Coordinator, IUFRO Division 4.04.00 - Forest management planning, 2017-present.
 Facilitated the development of an International Cooperative Agreement between Istanbul University (Turkey) and the University of Georgia, 2012.
 Facilitated the development of an International Cooperative Agreement between Duzce University (Turkey) and the University of Georgia, 2013.

Service to Review Teams

Member, USDA CSREES Review Team, Forest Management Department, University of Maine, 2003.
 Member, USDA CSREES Review Team, Forest Ecosystem Science Department, University of Maine, 2003.
 Coordinator, External Independent Review process for USDA Forest Service, Northern Region, vegetation management treatment scheduling process, 2006.
 Member, Forest Management and Operations BSF Degree Review Team, University of British Columbia, 2015.

Service to Conference Planning Teams

Conference Chair, 4th Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2004.
 Conference Chair, 5th Southern Forestry and Natural Resources GIS Conference, Asheville, NC, 2006.
 Conference Chair, 6th Southern Forestry and Natural Resources GIS Conference, Orlando, FL, 2008.
 Conference Chair, 8th Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2011.
 Conference Chair, 9th Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2013.
 Conference Chair, 10th Southern Forestry and Natural Resource Management GIS Conference, Athens, GA, 2015.
 Conference Chair, 11th Southern Forestry and Natural Resource Management GIS Conference, Athens, GA, 2017.
 Planning Committee Member, 13th Symposium on Systems Analysis in Forest Resources, Charleston, SC, 2009.
 Planning Committee Member, 7th Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2009.
 Planning Committee Member, 12th Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2019.
 Scientific Committee Member, International IUFRO Conference on Sustainable Harvest Scenarios in Forest Management (IUFRO WP 4.04.10).
 Scientific Committee Member, 1st International Symposium of Forest Engineering and Technologies, Bursa, Turkey, 2015.

Service to Journal Review Processes

Acta Forestalia Fennica, *African Journal of Agricultural Research*, *African Journal of Environmental Science and Technology*, *Ambio*, *Applied Geography*, *Applied Mathematical Modelling*, *Applied Remote Sensing*, *Asian Journal of Applied Sciences*, *Automation in Construction*, *BC Journal of Ecosystems & Management*, *Biomass and Bioenergy*, *BMC Ecology*, *Bosque*, *Canadian Journal of Forest Research*, *Canadian Journal of Remote Sensing*, *Carbon Balance and Management*, *Carbon Management*, *Computers and Electronics in Agriculture*, *Croatian Journal of Forest Engineering*, *Current Forestry Reports*, *Data*, *East African Agricultural and Forestry Journal*, *Ecological Applications*, *Ecological Economics*, *Ecological Modelling*, *Ecosphere*, *Energy Policy*, *Environmental Management*, *Environmental Monitoring and Assessment*, *Environmental Practice*, *European Journal of Forest Research*, *European Journal of Operational Research*, *Forest Ecology and Management*, *Forest Policy and Economics*, *Forest Science*, *Forest Systems*, *Forestry*, *Forestry Ideas*, *Forests*, *Geocarto International*, *Geographical Analysis*, *GIScience & Remote Sensing*, *Global Change Biology*, *Information Systems and Operations Research (INFOR)*, *International Forestry Review*, *International Journal of Agricultural Resources*, *Governance and Ecology*, *International Journal of Applied Geospatial Research*, *International Journal of Forest Engineering*, *International Journal of Forestry Research*, *International Journal of Geography and Geography Education*, *International Journal of Production Economics*, *International Journal of Remote Sensing Applications*, *International Journal of Wildland Fire*, *International Transactions in Operations Research*, *Irish Forestry*, *Journal of Applied Ecology*, *Journal of Cleaner Production*,

Journal of Emergency Management, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Forest Economics, Journal of Forest Research, Journal of Forestry, Journal of Forestry Research, Journal of Plant Sciences, Journal of Sustainable Forestry, Journal of the American Water Resources Association, Landscape Ecology, Landscape and Urban Planning, Mathematical and Computational Forestry & Natural-Resource Sciences, Natural Resources Modeling, Nature Sustainability, New Zealand Journal of Forest Science, Northern Journal of Applied Forestry, Open Journal of Forestry, Operations Research Perspectives, Pesquisa Agropecuária Tropical, Photogrammetric Engineering and Remote Sensing, PLoS ONE, Remote Sensing, Renewable & Sustainable Energy Reviews, Research Journal of Forestry, Revista Bosque, Scandinavian Journal of Forest Research, Science of the Total Environment, Scientific Research and Essays, Sensors, Silva Fennica, SINTEF Applied Mathematics (Norway), Small-Scale Forest Economics, Management, and Policy, SN Applied Sciences, Southeastern Geographer, Southern Journal of Applied Forestry, Sustainability, The Extractive Industries and Society, The Forestry Chronicle, The International Forestry Review, The Open Forest Science Journal, Transactions of the ASABE, Transportation Research Part A: Policy and Practice, Tree Physiology, Urban Forestry & Urban Greening, and Western Journal of Applied Forestry.

Service as an External Examiner of PhD Dissertations

University of New Brunswick, 2001.
 University of British Columbia, 2004.
 University of Eastern Finland, 2018.
 Lakehead University, 2018.

Service for Proposal Review Processes

Chile National Commission for Scientific and Technological Research Program (FONDECYT 2011), 2010.
 Chile National Commission for Scientific and Technological Development Program (FONDECYT 2012), 2011.
 Humboldt State University McIntire-Stennis program, 2019.
 Maryland Sea Grant Omnibus 2011-2012 pre-proposal review, 2010.
 Maryland Sea Grant Omnibus 2011-2012 full proposal review, 2010.
 NASA Postdoctoral Program, 2013, 2015.
 Natural Sciences and Engineering Research Council of Canada, Collaborative Research and Development Program, 2013.
 Natural Sciences and Engineering Research Council of Canada, Discovery Grant program, 2006, 2011.
 Natural Sciences and Engineering Research Council of Canada, Discovery Grant Research Evaluation Group, 2015-2018.
 National Science Foundation, 2006.
 National Science Foundation EPSCoR Research Infrastructure Improvement Grant Program (RII), 2005.
 Northern Arizona University, Mission Research Program, 2013.
 Small Business Innovation Research program, USDA Cooperative State Research Education and Extension Service, 2001, 2005-2006, 2018-2019.
 Sustainable Forest Management (SFM) Network (University of Alberta, Canada), 2004.
 USDA CSREES National Research Initiative, 2005.
 Virginia Tech McIntire-Stennis program, 2009.

Other Service

Georgia Tree Farm Program, Executive Committee, 2017.
 Reviewer, ESRI's SpatialLAB project, 2010.
 Book proposal reviewer, Springer, 2010.
 Book proposal reviewer, ESRI Press, 2012.

HONORS AND RECOGNITION

2020. Carl Alwin Schenck Award, Society of American Foresters.
 2018. Fellow, Society of American Foresters.
 2018. 2nd Degree Rector's Prize for Scientific Achievements, Warsaw University of Technology.
 2017. Alumni Award for Outstanding Teaching, School of Forestry and Natural Resources, University of Georgia.
 2016. Creative Research Medal, University of Georgia.
 2012. Xi Sigma Pi Herrick Professor of the Year, School of Forestry and Natural Resources, University of Georgia.

2011. Outstanding Teacher, School of Forestry and Natural Resources, University of Georgia.
2009. Southeastern Society of American Foresters, Award of Excellence, Research and Development.
2009. Honorary Member, AGHON (The University of Georgia Agricultural Honorary Society).
2007. Society of American Foresters Working Group Merit Award. In recognition of a significant contribution to the Society of American Foresters Science Program, the officers of the E2 Working Group (Land use planning, organization, and management) were recognized for superior service to the Society of American Foresters.
2006. Herrick Superior Teaching Award, School of Forest Resources, University of Georgia.
2005. Xi Sigma Pi Outstanding Professor in Forest Resources, School of Forest Resources, University of Georgia.
1999. Certified Forester #866, Society of American Foresters (re-certified 2017).
- 1992, 1995, 1998, 2002. Continuing Forestry Education Certificate, Society of American Foresters.
1994. Saubert Fellowship, Oregon State University.
1993. American Society for Photogrammetry and Remote Sensing, Columbia River Region Scholarship.
1993. J.R. Dilworth Fellowship, Oregon State University.
1988. Outstanding Member, Xi Sigma Pi, Chi Chapter, VPI.
1987. Outstanding Member, Xi Sigma Pi, Chi Chapter, VPI.

PUBLICATIONS

Books

- Bettinger, P., K. Merry, and K. Boston. 2020. *Mapping Human and Natural Systems*. Academic Press, London. 341 p.
- Bettinger, P., K. Boston, J.P. Siry, and D.L. Grebner. 2017. *Forest Management and Planning, second edition*. Academic Press, London. 349 p.
- Siry, J.P., P. Bettinger, K. Merry, D.L. Grebner, K. Boston, and C. Cieszewski (eds.). 2015. *Forest Plans of North America*. Academic Press, London. 458 p.
- Grebner, D.L., P. Bettinger, and J.P. Siry. 2013. *Introduction to Forestry and Natural Resources*. Academic Press, London. 496 p.
- Bettinger, P., K. Boston, J.P. Siry, and D.L. Grebner. 2012. *Forest Management and Planning* (Chinese translation). Ke'AI Communications, Beijing, China. 394 p.
- Bettinger, P. 2011. *Forest planning desk reference: Terminology and examples*. LAP Lambert Academic Publishing, Saarbrücken, Germany. 102 p.
- Bettinger, P., and K.L. Merry. 2011. *Global navigation satellite system research in forest management*. LAP Lambert Academic Publishing, Saarbrücken, Germany. 64 p.
- Bettinger, P., K. Boston, J.P. Siry, and D.L. Grebner. 2009. *Forest Management and Planning*. Academic Press, London. 331 p.
- Wing, M.G., and P. Bettinger. 2008. *Geographic Information Systems: Applications in Natural Resource Management*. Oxford University Press, Canada. Don Mills, ON. 268 p.
- Davis, L.S., K.N. Johnson, P. Bettinger, and T.E. Howard. 2005. *Forest Management. Fourth edition*. Waveland Press, Inc., Long Grove, IL. 804 p.
- Bettinger, P., and M.G. Wing. 2004. *Geographic Information Systems: Applications in Forestry and Natural Resources Management*. McGraw-Hill, Inc., New York. 230 p.
- Davis, L.S., K.N. Johnson, P.S. Bettinger, and T.E. Howard. 2001. *Forest Management. Fourth edition*. McGraw-Hill, Inc., New York. 804 p.

Refereed Journal Articles

- Ezzati, S., C.D. Palma, P. Bettinger, L.O. Eriksson, and A. Awasthi. *in press*. An integrated multi-criteria decision analysis and optimization modeling approach to spatially operational road decisions. *Canadian Journal of Forest Research*.
- Caglayan, İ., A. Yeşil, Ö. Kabak, and P. Bettinger. 2021. A decision making approach for assignment of ecosystem services to forest management units: A case study in northwest Turkey. *Ecological Indicators*. 121: Article 107056.
- Dong, L., P. Bettinger, and Z. Liu. 2021. Estimating the optimal internal carbon prices for balancing forest wood production and carbon sequestration: The case of northeast China. *Journal of Cleaner Production*. 281: Article 125342.
- Stober, J., K. Merry, and P. Bettinger. 2020. Analysis of fire frequency on the Talladega National Forest, USA, 1998-2018. *International Journal of Wildland Fire*. 29(10): 919-925.

- Gutierrez Garzon, A.R., P. Bettinger, J. Siry, J. Abrams, C. Cieszewski, K. Boston, B. Mei, H. Zengin, and A. Yeşil. 2020. A comparative analysis of five forest certification programs. *Forests*. 11(8): Article 863.
- Demirci, M., A. Yeşil, and P. Bettinger. 2020. Using mixed integer goal programming in final yield harvest planning: A case study from the Mediterranean region of Turkey. *Forests*. 11(7): Article 744.
- Reeves, T., B. Mei, J. Siry, P. Bettinger, and S. Ferreira. 2020. Effect of working forest conservation easements on surrounding property values. *Forest Policy and Economics*. 118: Article 102241.
- Reeves, T., B. Mei, J. Siry, P. Bettinger, and S. Ferreira. 2020. Towards a characterization of working forest conservation easements in Georgia, USA. *Forests*. 11(6): Article 635.
- Hiegel, A., J. Siry, P. Bettinger, and B. Mei. 2020. Timberland transaction costs and due diligence: a literature review and assessment of research needs. *International Forestry Review*. 22(2): 199-210.
- Lee, T., P. Bettinger, C.J. Cieszewski, and A.R. Gutierrez Garzon. 2020. The applicability of recreation-grade GNSS receiver (GPS watch, Suunto Ambit Peak 3) in a forested and an open area compared to a mapping-grade receiver (Trimble Juno T41). *PLoS ONE*. 15(4): e0231532.
- Obata, S., P. Bettinger, C.J. Cieszewski, R.C. Lowe III. 2020. Mapping forest disturbances between 1987–2016 using all available time series Landsat TM/ETM+ imagery: Developing a reliable methodology for Georgia, United States. *Forests*. 11(3): Article 335.
- Bayat, M., P. Bettinger, S. Heidari, A.H. Khalyani, M. Jourgholami, and S.K. Hamidi. 2020. Estimation of tree heights in an uneven-aged, mixed forest in northern Iran using artificial intelligence and empirical models. *Forests*. 11(3): Article 324.
- Gutierrez Garzon, A.R., P. Bettinger, J. Siry, B. Mei, and J. Abrams. 2020. The terms foresters and planners in the United States use to infer sustainability in forest management plans: A survey analysis. *Sustainability*. 12(1): Article 17.
- Merry, K., P. Bettinger, J. Siry, and J.M. Bowker. 2020. Preferences of motorcyclists to views of managed, rural southern United States landscapes. *Journal of Outdoor Recreation and Tourism*. 29: Article 100259.
- Kalbi, S., A. Fallah, S. Shataee, P. Bettinger, and R. Yousefpour. 2019. Growth and yield models for uneven-aged forest stands managed under a selection system in northern Iran. *Eurasian Journal of Forest Science*. 7(3): 321-333.
- Merry, K., and P. Bettinger. 2019. Smartphone GPS accuracy study in an urban environment. *PLoS ONE*. 14(7): e0219890.
- Zhang, S., P. Bettinger, C. Cieszewski, S. Merkle, K. Merry, S. Obata, X. He, and H. Zheng. 2019. Evaluation of sites for reestablishment of the American chestnut (*Castanea dentata*) in northeast Georgia, USA. *Landscape Ecology*. 34(4): 943-960.
- Obata, S., C.J. Cieszewski, P. Bettinger, R.C. Lowe III, and S. Bernardes. 2019. Preliminary analysis of forest stand disturbances in coastal Georgia (USA) using Landsat time series stacked imagery. *FORMATH*. 18: 1-11.
- Bettinger, P., and K. Merry. 2019. Land cover transitions in the United States South: 2007-2013. *Applied Geography*. 105: 102-110.
- Bettinger, P., K. Merry, M. Bayat, and J. Tomaščík. 2019. GNSS use in forestry – A multi-national survey from Iran, Slovakia and southern USA. *Computers and Electronics in Agriculture*. 158: 369-383.
- Reeves, T., B. Mei, P. Bettinger, and J. Siry. 2018. Review of the effects of conservation easements on surrounding property values. *Journal of Forestry*. 116(6): 555-562.
- Kalbi, S., A. Fallah, P. Bettinger, S. Shataee, R. Yousefpour. 2018. Mixed-effects modeling for tree height prediction models of Oriental beech in the Hyrcanian forests. *Journal of Forestry Research*. 29(5): 1195-1204.
- Merry, K., P. Bettinger, J. Siry, J.M. Bowker, S. Weaver, and Z. Ucar. 2018. Mapping potential motorized sightseeing recreation supply across broad privately-owned landscapes of the southern United States. *Landscape Research*. 43(5): 721-734.
- Bettinger, P., and K. Merry. 2018. Follow-up study of the importance of mapping technology knowledge and skills for entry-level forestry job postings, as deduced from recent job advertisements. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 10(1): 15-23.
- Sahoo, K., S. Mani, L. Das, and P. Bettinger. 2018. GIS-based sustainable assessment of crop residues for optimal siting of biogas plants. *Biomass and Bioenergy*. 110: 63-74.
- Dong, L., P. Bettinger, H. Qin, and Z. Liu. 2018. Reflections on the number of independent solutions for forest spatial harvest scheduling problems: A case of simulated annealing. *Silva Fennica*. 52(1): article id 7803. 20 p.
- Zengin, H., A.S. Değermenci, and P. Bettinger. 2018. Analysis of temporal changes in land cover and landscape metrics of a managed forest in the west Black Sea region of northern Turkey: 1970 to 2010. *Journal of Forestry Research*. 29(1): 139-150.

- Ucar, Z., K. Merry, P. Bettinger, R. Akbulut, and J. Siry. 2018. Estimation of urban vegetation cover using multispectral imagery and LiDAR. *Urban Forestry & Urban Greening*. 29: 248-260.
- Bettinger, P., and K. Boston. 2017. Forest planning heuristics - Current recommendations and research opportunities for s-metaheuristics. *Forests*. 8(12): Article 476.
- Akbulut, R., P. Bettinger, Z. Ucar, S. Obata, K. Boston, and J. Siry. 2017. Spatial forest plan development using heuristic processes seeded with a relaxed linear programming solution. *Forest Science*. 63(5): 518-528.
- Merry, K., P. Bettinger, D. Grebner, J. Siry, C. Cieszewski, S. Weaver, and Z. Ucar. 2017. Assessment of potential agricultural and short-rotation forest bioenergy crop establishment sites in Jackson County, Florida, USA. *Biomass and Bioenergy*. 105: 453-463.
- Przeździecki, K., J. Zawadzki, C. Cieszewski, and P. Bettinger. 2017. Estimation of soil moisture across broad landscapes of Georgia and South Carolina using the triangle method applied to MODIS satellite imagery. *Silva Fennica*. 51(4): article id 1683. 19 p.
- Kalbi, S., A. Fallah, S. Shatee, R. Yousefpour, and P. Bettinger. 2017. Mapping the spatial distribution of forest growth characteristics using different geostatistical methods (Case Study: District 3 Sangdeh-Sari). *Iranian Journal of Forest and Poplar Research*. 25(2): 196-208.
- Klepacka, A.M., J.S. Siry, and P. Bettinger. 2017. Stumpage prices: A review of influential factors. *International Forestry Review*. 19(2): 158-169.
- Akbulut, R., Z. Ucar, P. Bettinger, K. Merry, and S. Obata. 2017. Effects of forest thinning on static horizontal positions collected with a mapping-grade GNSS receiver. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 9(1): 14-21.
- Merry, K., P. Bettinger, D.L. Grebner, K. Boston, and J. Siry. 2016. Assessment of geographic information system (GIS) skills employed by graduates from three forestry programs in the United States. *Forests*. 7(12): Article ID 304. 12 p.
- Ezzati, S., A. Najafi, and P. Bettinger. 2016. Finding feasible harvest zones in mountainous areas using integrated, spatial multi-criteria decision analysis. *Land Use Policy*. 59: 479-491.
- Dong, L., P. Bettinger, Z. Liu, H. Qin, and Y. Zhao. 2016. Evaluating the neighborhood, hybrid and reversion search techniques of simulated annealing algorithm in solving forest spatial harvest scheduling problems. *Silva Fennica*. 50(4): Article ID 1622. 20 p.
- Dong, L., Z. Liu, and P. Bettinger. 2016. Nonlinear mixed-effects branch diameter and length models for natural Dahurian larch (*Larix gmelini*) forest in northeast China. *Trees*. 30(4): 1191-1206.
- Kašpar, J., R. Marušák, and P. Bettinger. 2016. Time efficiency of selected types of adjacency constraints in solving unit restriction models. *Forests*. 7(5): Article ID 102. 14 p.
- Bettinger, P., K. Merry, and C. Cieszewski. 2016. The importance of mapping technology knowledge and skills for students seeking entry-level forestry positions: Evidence from job advertisements. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 8(1): 14-24.
- Ucar, Z., P. Bettinger, K. Merry, J. Siry, J.M. Bowker, and R. Akbulut. 2016. A comparison of two sampling approaches for assessing the urban forest canopy cover from aerial photography. *Urban Forestry & Urban Greening*. 16: 221-230.
- Kaya, A., P. Bettinger, K. Boston, R. Akbulut, Z. Ucar, J. Siry, K. Merry, and C. Cieszewski. 2016. Optimisation in forest management. *Current Forestry Reports*. 2(1): 1-17.
- Ezzati, S., A. Najafi, M. Yaghini, A.A. Hashemi, and P. Bettinger. 2015. An optimization model to solve skidding problem steep slope terrain. *Journal of Forest Economics*. 21(4): 250-268.
- Merry, K., P. Bettinger, J. Siry, and J.M. Bowker. 2015. Estimating urban forest carbon sequestration potential in the southern United States using current remote sensing imagery sources. *Geographia Technica*. 10(2): 78-89.
- Dong, L., P. Bettinger, Z. Liu, and H. Qin. 2015. A comparison of a neighborhood search technique for forest spatial harvest scheduling problems: A case study of the simulated annealing algorithm. *Forest Ecology and Management*. 356: 124-135.
- Siry, J., K. McGinley, F.W. Cabbage, and P. Bettinger. 2015. Forest tenure and sustainable forest management. *Open Journal of Forestry*. 5(5): 526-545.
- Walliser, M.A., W.D. Potter, and P. Bettinger. 2015. Response and recovery after severe wind storms using hierarchical open vehicle routing. *International Journal of Emergency Management*. 11(1): 20-45.
- Weaver, S.A., Z. Ucar, P. Bettinger, and K. Merry. 2015. How a GNSS receiver is held may affect static horizontal position accuracy. *PLoS ONE*. 10(4): e0124696. doi:10.1371/journal.pone.0124696.
- Dong, L., P. Bettinger, Z. Liu, and H. Qin. 2015. Spatial forest harvest scheduling for areas involving carbon and timber management goals. *Forests*. 6: 1362-1379.

- Demirci, M., and P. Bettinger. 2015. Using mixed integer multi-objective goal programming for stand tending block designation: A case study from Turkey. *Forest Policy and Economics*. 55: 28-36.
- Bettinger, P., and M. Tang. 2015. Tree-level harvest optimization for structure-based forest management based on the species mingling index. *Forests*. 6(4): 1121-1144.
- Bettinger, P., M. Demirci, and K. Boston. 2015. Search reversion within *s*-metaheuristics: Impacts illustrated with a forest planning problem. *Silva Fennica*. 49(2): article id 1232. 20 p.
- Weaver, S.A., Z. Ucar, P. Bettinger, K. Merry, K. Faw, and C.J. Cieszewski. 2015. Assessing the accuracy of tree diameter measurements collected at a distance. *Croatian Journal of Forest Engineering*. 36(1): 73-83.
- Zengin, H., Ü. Asan, S. Destan, M.E. Ünal, A. Yeşil, P. Bettinger, and A.S. Değermenci. 2015. Modeling harvest scheduling in multifunctional planning of forests for longterm water yield optimization. *Natural Resource Modeling*. 28(1): 59-85.
- Ucar, Z., P. Bettinger, S. Weaver, K.L. Merry, and K. Faw. 2014. Dynamic accuracy of recreation-grade GPS receivers in oak-hickory forests. *Forestry*. 87: 504-511.
- Merry, K., J. Siry, P. Bettinger, and J.M. Bowker. 2014. Urban tree cover change in Detroit and Atlanta, USA, 1951-2010. *Cities*. 41: 123-131.
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