

**PETE BETTINGER**  
**PROFESSOR**  
**SCHOOL OF FORESTRY AND NATURAL RESOURCES**  
**UNIVERSITY OF GEORGIA**  
**ATHENS, GA 30602**  
**706.542.1187**  
**pbettinger@warnell.uga.edu**

**CURRICULUM VITAE**  
**May 10, 2018**

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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**

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

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).

*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).

*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.

#### 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

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, 4<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2004.

Conference Chair, 5<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Asheville, NC, 2006.

Conference Chair, 6<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Orlando, FL, 2008.

Conference Chair, 8<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2011.

Conference Chair, 9<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2013.

Conference Chair, 10<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference, Athens, GA, 2015.

Conference Chair, 11<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference, Athens, GA, 2017.

Planning Committee Member, 13<sup>th</sup> Symposium on Systems Analysis in Forest Resources, Charleston, SC, 2009.

Planning Committee Member, 7<sup>th</sup> Southern Forestry and Natural Resources GIS Conference, Athens, GA, 2009.

Scientific Committee Member, International IUFRO Conference on Sustainable Harvest Scenarios in Forest Management (IUFRO WP 4.04.10).

Scientific Committee Member, 1<sup>st</sup> 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 Mathematical Modelling, Applied Remote Sensing, Asian Journal of Applied Sciences, Automation in Construction, BC Journal of Ecosystems & Management, Bosque, Canadian Journal of Forest Research, Canadian Journal of Remote Sensing, Carbon Balance and Management, Computers and Electronics in Agriculture, Croatian Journal of Forest Engineering, Current Forestry Reports, 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, Geographical Analysis, GIScience & Remote Sensing, Global Change Biology, Information Systems and Operations Research (INFOR), 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 Production Economics, International Journal of Remote Sensing Applications, International Journal of Wildland Fire, International Transactions in Operations Research, 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 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, New Zealand Journal of Forest Science, Northern Journal of Applied Forestry, Open Journal of Forestry, Pesquisa Agropecuária Tropical, Photogrammetric Engineering and Remote Sensing, PLoS ONE, Remote Sensing, Research Journal of Forestry, 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, 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, and Western Journal of Applied Forestry.*

#### Service as an External Examiner of PhD Dissertations

University of New Brunswick, 2001.  
University of British Columbia, 2004.

#### 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.  
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.  
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 SpatiaLAB project, 2010.  
Book proposal reviewer, Springer, 2010.  
Book proposal reviewer, ESRI Press, 2012.

### **HONORS AND RECOGNITION**

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. Boston, J.P. Siry, and D.L. Grebner. 2017. *Forest Management and Planning, second edition.*

- Academic Press, New York. 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, New York. 458 p.
- Grebner, D.L., P. Bettinger, and J.P. Siry. 2013. *Introduction to Forestry and Natural Resources*. Academic Press, New York. 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, New York. 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

- Kalbi, S., A. Fallah, P. Bettinger, S. Shatee, R. Yousefpour. *in press*. Mixed-effects modeling for tree height prediction models of oriental beech in Hyrcanian forest. *Journal of Forestry Research*.
- 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. Zawadski, 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.
- Bettinger, P., K. Merry, and Z. Ucar. 2014. Assessment of a global land cover classification allocated across the landscape of Georgia (USA). *Journal of Scientific Research and Reports*. 3(3): 457-478.

- Akay, A.E., K. Aruga, P. Bettinger, and J. Sessions. 2013. Using optimization techniques in designing forest roads and road networks. *Journal of the Bartın Faculty of Forestry*. 15(1-2): 49-62.
- Zengin, H., A. Yeşil, Ü. Asan, P. Bettinger, C. Cieszewski, and J.P. Siry. 2013. Evolution of modern forest management planning in the Republic of Turkey. *Journal of Forestry*. 111(4): 239-248.
- Cieszewski, C.J., M. Strub, F. Antony, P. Bettinger, J. Dahlen, and R.C. Lowe. 2013. Wood quality assessment of tree trunk from the tree branch sample and auxiliary data based on NIR spectroscopy and SilviScan. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 5(1): 86-111.
- Cieszewski, C.J., R.C. Lowe, P. Bettinger, and A. Kumar. 2013. Micro-detail comparative forest site analysis using high-resolution satellite imagery. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 5(1): 16-37.
- Merry, K., J. Siry, P. Bettinger, and J.M. Bowker. 2013. Efficient assessments of urban tree planting potential within or near the southern Piedmont region of United States. *Computers, Environment and Urban Systems*. 39: 39-47.
- Bettinger, P., J. Siry, and K. Merry. 2013. Forest management planning technology issues posed by climate change. *Forest Science and Technology*. 9(1): 9-19.
- Merry, K., J. Siry, P. Bettinger, and J.M. Bowker. 2013. Assessing potential urban tree planting sites in the Piedmont of the United States: A comparison of methods. *Southeastern Geographer*. 53(1): 79-101.
- Bettinger, P., J. Siry, C. Cieszewski, K.L. Merry, H. Zengin, and A. Yeşil. 2013. Forest management issues of the southern United States and comparisons with Turkey. *Turkish Journal of Agriculture and Forestry*. 37(1): 83-96.
- Shan, Y., P. Bettinger, C. Cieszewski, and W. Wang. 2012. Pitfalls and potential of particle swarm optimization for contemporary spatial forest planning. *Forest Systems*. 21(3): 468-480.
- Bettinger, P., and K.L. Merry. 2012. Relative vulnerability of the forests along southeastern African coasts to cyclones. *Singapore Journal of Tropical Geography*. 33(3): 320-334.
- Kim, H., P. Bettinger, and C. Cieszewski. 2012. Reflections on the estimation of stand-level forest characteristics using Landsat satellite imagery. *Applied Remote Sensing Journal*. 2(2): 45-56.
- Bettinger, P., and K.L. Merry. 2012. Influence of the juxtaposition of trees on consumer-grade GPS position quality. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 4(2): 81-91.
- Bettinger, P., and K. Merry. 2012. Static horizontal positions determined with a consumer-grade GNSS receiver: One assessment of the number of fixes necessary. *Croatian Journal of Forest Engineering*. 33(1): 149-157.
- Merry, K.L., P. Bettinger, and J. Hepinstall-Cymerman. 2011. A prototype model for estimating the location of forest damage from tropical cyclones. *Geographia Technica*. 12(2): 65-80.
- Bettinger, P. 2011. Cypress dome characteristics within one county of the southern United States: A case study of changes. *Regional Environmental Change*. 11: 569-578.
- Bettinger, P. 2011. Forest management in a climate change era: Options for planning. *Journal of Forest Planning*. 16: 57-66.
- Bettinger, P., K.L. Merry, and D.L. Grebner. 2010. Two views of the impact of strong wind events on forests of the southern United States. *Southeastern Geographer*. 50(3): 291-304.
- Bettinger, P., and S. Fei. 2010. One year's experience with a recreation-grade GPS receiver. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 2(2): 153-160.
- Merry, K.L., P. Bettinger, D.L. Grebner, and J. Hepinstall-Cymerman. 2010. Perceptions of foresters of wind damage in Mississippi forests. *Southern Journal of Applied Forestry*. 34(3): 124-130.
- Bettinger, P., T. Lowe, J. Siry, K. Merry, and N. Nibbelink. 2010. Analytical decisionmaking considerations for upgrading or changing geographic information system software. *Journal of Forestry*. 108(5): 238-244.
- Li, R., and P. Bettinger. 2010. Assessing forest fragmentation in southern U.S. industrial forest plans that accommodate different clearcut size restrictions. *Journal of Forest Planning*. 15(2): 81-98.
- Ransom, M.D., J. Rhynold, and P. Bettinger. 2010. Performance of mapping-grade GPS receivers in southeastern forest conditions. *RURALS: Review of Undergraduate Research in Agricultural and Life Sciences*. 5(1): Article 2.
- Roberts, S.B., J.D. Jordan, P. Bettinger, and R.J. Warren. 2010. Using bobcat habitat suitability to prioritize preservation on a suburbanizing barrier island. *Journal of Wildlife Management*. 74(3): 386-394.
- Li, R., P. Bettinger, and K. Boston. 2010. Informed development of meta heuristics for spatial forest planning problems. *The Open Operational Research Journal*. 4: 1-11.
- Li, R., P. Bettinger, and A. Weiskittel. 2010. Comparisons of three different methods used to generate forest landscapes for spatial harvest scheduling problems with adjacency restrictions. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 2(1): 53-60.

- Bettinger, P. 2010. An overview of methods for incorporating wildfires into forest planning models. *Mathematical and Computational Forestry & Natural-Resource Sciences*. 2(1): 43-52.
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