

Stephen M. Bratkovich
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EDUCATION

Ph.D. Extension and Adult Education, The Ohio State University, 1991.
Minors: Research Methods/Statistics and Rural Sociology.
Dissertation: Perceived Educational Needs of Innovative Ohio Sawmill Operators.

M.S. Forest Resources, University of New Hampshire, 1975.
Thesis: The Discount Rate in Evaluating Long-Term Forest Investments.

B.S. Forest Science, The Pennsylvania State University, 1973.
Minor: Business Administration.

EXPERIENCE

USDA Forest Service, State and Private Forestry, St. Paul, MN

Group Leader, Business Operations 2004 to Present
Coordinate annual operating budget for staff of 26 (\$600,000 plus salaries) including budget preparation, monitoring and evaluation. Counsel staff on equipment purchases, travel budgets, and personnel decisions that impact current and future operating budgets. Coordinate State and Private Forestry grant monitoring program (\$3 million) for seven Midwestern states. Coordinate Hispanic Association of Colleges and Universities (HACU) internship program. Serve as Acting Field Representative (supervisor) for 26 staff in three states on a part-time basis.

Forest Products Specialist 1992 to Present
Provide technical expertise to industries, landowners, communities, governments and non-profit organizations in seven Midwestern states in the areas of forest products utilization and marketing, forest sustainability, strategic and business planning, and natural resources-based economic development. Present seminars, author publications and facilitate meetings aimed at expanding forestry-related conservation practices. Coordinate multi-state technology transfer programs, grant proposal development, in-service training, accomplishment reporting and program development activities. Provide guidance and advice to partners and cooperators on State and Private Forestry programs.

Freelance Writer and Consultant 2001 to Present

Recommend editorial content and write popular articles for forestry and forest products

publications. Perform audits and evaluations for forestry-related organizations. Develop syllabi, organize coursework and instruct undergraduate students studying natural resources at the University of Minnesota.

Ohio Cooperative Extension Service, Jackson, OH

Extension Forester 1983 to 1992
Developed and delivered educational forestry programs for private landowners in a 15-county area. Coordinated forest industry educational programs on a state-wide basis. Organized, developed instructional materials, and taught at forestry, forest industry, and wildlife management workshops, field days and continuing education programs. Authored extension fact sheets, bulletins, newsletters, popular articles and research papers on topics such as timber marketing, tree and log measurements, tax savings on timber sales, forest products, lease hunting and Christmas tree production. Served as co-principal investigator on applied research and extension activities at Piketon (Ohio) Research and Extension Center.

Oklahoma Cooperative Extension Service, Muskogee, OK

Area Specialized Agent in Forestry 1978 to 1983
Developed educational forestry and wood products programs for landowners, homeowners, governmental agencies and non-profits in a 19-county area. Authored extension publications, newspaper and magazine articles, and radio/television broadcasts on numerous forest management and natural resources topics. Provided leadership to creation of statewide Christmas tree growers association. Assisted volunteers with 4-H forestry programs. Served as assistant director for annual 7-day youth forestry camp and annual 3-day 4-H family forestry camp. Served as a Tree Farm inspector.

Nebraska Forest Service/University of Nebraska, Clay Center, NE

District Service Forester 1975 to 1978
Developed forest management plans for private landowners in a 16-county area in south central Nebraska. Conducted street tree inventories for communities. Organized shelterbelt tree planting programs for prevention of soil erosion, wildlife habitat, energy savings, aesthetics, and forest products. Participated in, and promoted, the state of Nebraska tree seedling distribution program. Diagnosed tree insect and disease problems for homeowners. Created and disseminated forestry educational materials via publications, workshops, and one-on-one contacts with landowners, homeowners, and partners. Served as a Tree Farm inspector.

University of New Hampshire, Durham, NH

Graduate Research Assistant 1973 to 1975
Assisted faculty advisor (Dr. Bennett Foster) on forest economics research projects. Served as laboratory instructor for computer science course. Assisted with forest land

surveying course (field exercises). Participated in, and assisted faculty with, two-week field program in Florida.

PEER REVIEWED PUBLICATIONS AND PAPERS

Bratkovich, S., et al. 2000. Green Dimensioning Below-Grade Red Oak Logs: A Minnesota Case Study. Forest Products Journal. 50(2):65-68.

Massey, J., Bowyer, J., and S. Bratkovich. 1997. Distance Learning: New Opportunities Abound. Forest Products Journal. 47(7/8):20-26.

Bratkovich, S., et al. 1996. Forestry-Related Educational Needs of Innovative Ohio Sawmill Operators. Northern Journal of Applied Forestry. 13(3):135-139.

Gephart, J., Petersen, H., and S. Bratkovich. 1995. Green Dimensioning: A Review of Processing, Handling, Drying and Marketing. Forest Products Journal. 45(5):69-73.

Bratkovich, S., and L. Miller. 1993. Perceived Educational Needs of Innovative Ohio Sawmill Operators. Forest Products Journal. 43(3):35-40.

Floyd, D., B. McCoy, and S. Bratkovich. 1993. Ohio's Pallet Industry. Forest Products Journal. 43(3):59-63.

Bratkovich, S., and D. Floyd. 1993. Lease Hunting in the Central Hardwood Region: An Examination of Tradeoffs. In A. R. Gillespie et al. (Eds.), Proceedings of the Ninth Central Hardwood Forest Conference (pp. 428-435). No. Central For. Exp. Sta. Tech Report NC-161, St. Paul, MN.

Bratkovich, S. and L. Miller. 1992. Perceived Educational Needs of Innovative Ohio Sawmill Operators. Summary of Research No. 66. Columbus, OH: The Ohio State University, Department of Agricultural Education.

Bratkovich, S., and G. Passewitz. 1991. Estimating the Size of Hardwood Industries: An Ohio Case Study. Forest Products Journal. 41(10):69-72.

Bratkovich, S., and G. Passewitz. 1991. Are We Underestimating the Size of Our Hardwood Industries? In L. McCormick and K. Gottschalk (Eds.), Proceedings of the Eighth Central Hardwood Forest Conference (pp. 569-577). NE For Exp. Sta. Tech Report 148, University Park, PA.

Bratkovich, S. 1991. Shiitake Mushroom Production on Small Diameter Oak Logs in Ohio. In L. McCormick and K. Gottschalk (Eds.), Proceedings of the Eighth Central Hardwood Forest Conference (pp. 543-549). NE For Exp. Sta. Tech Report 148, University Park, PA.

PROCEEDINGS AND ABSTRACTS

Bratkovich, S. 2005. Sustainability for a Growing World Population. In Biographies and Abstracts of the Forest Products Society 59th International Convention (p. 14). Forest Products Society, Madison, WI.

Bratkovich, S., et al. 2002. A Yield Analysis of Hardwood Saw Logs from New Jersey Municipal Trees. In Biographies and Abstracts of the Forest Products Society 56th Annual Meeting (p. 8). Forest Products Society, Madison, WI.

Bratkovich, S. 2002. Utilizing Wood Resources: From Community to Forest. In Biographies and Abstracts of Small Wood 2002: Community and Economic Development Opportunities in Small tree Utilization (p. 25). Forest Products Society, Madison, WI.

Bratkovich, S. 2002. Markets for Recycled Treated Wood Products. In Biographies and Abstracts of Enhancing the Durability of Lumber & Engineered Wood Products (p. 11). Forest Products Society, Madison, WI.

Bratkovich, S., and D. Haugen. 2000. Importation of Solid-Wood Packing Material: A Case Study of the Asian Longhorned Beetle. In Biographies and Abstracts of the Forest Products Society 54th Annual Meeting (p. 59). Forest Products Society, Madison, WI.

Bratkovich, S. and J. Krantz. 1996. Marketing Sawmill Produced Dimension Parts: A Paradigm Shift. In Proceedings of the 1996 Forest Products Society Annual Meeting. Forest Products Society, Madison, WI.

Bratkovich, S., et al. 1995. Manufacturing and Marketing Hardwood Lumber Products from Municipal Trees: A New Jersey Case Study. In Proceedings of the 1995 Society of American Foresters Convention (p. 419). Society of American Foresters, Washington, DC.

Bratkovich, S., et al. 1995. Utilizing Municipal Trees for Saw Log Products. In Proceedings of the 1995 Forest Products Society Annual Meeting. Forest Products Society, Madison, WI.

Bratkovich, S., and J. Gephart. 1993. Sawmill Production of Dimension Parts. In Proceedings of the 1993 Society of American Foresters Convention. Society of American Foresters, Washington, DC.

Bratkovich, S., and I. Miller. 1992. Forestry-Related Educational Needs of innovative

Ohio Sawmill Operators. In Proceedings of the 1992 Society of American Foresters Convention. Society of American Foresters, Washington, DC.

Bratkovich, S., and L. Miller. 1992. Assessing Educational Needs of Innovative Ohio Sawmill Operators. In C. Borders (Ed.), Proceedings of the Eleventh Midwest Research-to-Practice Conference (pp. 7-12). Manhattan, KS.

Bratkovich, S., and L. Miller. 1992. Perceived Educational Needs of Innovative Ohio Sawmill Operators. In Proceedings of the 1992 Forest Products Society Annual Meeting. Forest Products Society, Madison, WI.

Bratkovich, S. 1990. The Ohio Shiitake Mushroom Growers' Demonstration Project. In S. Broderick (Ed.), Proceedings of the Symposium on Volunteers and Communication in Natural Resource Education (pp. 55-57). East Windsor, CT.

PUBLICATIONS (Technology Transfer and Extension)

Howe, J., and S. Bratkovich. 2005. "A Planning Guide for Small and Medium Size Wood Products Companies" – Second Edition. USDA Forest Service, Northeastern Area State and Private Forestry, 66 p.

Majeski, M., Anderson, K., Bratkovich, S., et al. 2005 "Backyard Woods: Bring Your Vision to Life." USDA Forest Service, Northeastern Area State and Private Forestry, 44 p.

Bratkovich, S., et al. 2004. "Forests of Indiana: Their Economic Importance." USDA Forest Service, Northeastern Area State and Private Forestry, 18 p.

Bratkovich, S. 2001. "Utilizing Municipal Trees: Ideas From Across the Country." USDA Forest Service, Northeastern Area State and Private Forestry, 91 p.

Bratkovich, S., and J. Krantz (Eds.). 1996. "Sawmill Production of Hardwood Dimension Parts." USDA Forest Service, Northeastern Area State and Private Forestry, 25 p.

Bratkovich, S., et al. 1993. "Flooding and Its Effect on Trees." USDA Forest Service, Northeastern Area State and Private Forestry, 40 p.

Bratkovich, S. 1993. "Shiitake Mushroom Production: Introduction and Sources of Information and Spawn." Ohio Cooperative Extension Service Fact Sheet, 2 p.

Bratkovich, S. 1993. "Shiitake Mushroom Production: Obtaining Spawn, Obtaining and Preparing Logs, and Inoculation." Ohio Cooperative Extension Service Fact Sheet, 4 p.

Bratkovich, S., and M. Gilbert. 1993. "Shiitake Mushroom Production: Logs and Laying Yards." Ohio Cooperative Extension Service Fact Sheet, 2 p.

Bratkovich, S. 1993. "Shiitake Mushroom Production: Fruiting, Harvesting and Crop Storage." Ohio Cooperative Extension Service Fact Sheet, 2 p.

Bratkovich, S., and M. Baughman. 1993. "Shiitake Mushroom Production: Economic Considerations." Ohio Cooperative Extension Service Fact Sheet, 2 p.

Heiligmann, R., and S. Bratkovich. 1992. "Getting the Most Return From Your Timber Sale." Ohio Cooperative Extension Service Fact Sheet, 4 p.

Felde, L., and S. Bratkovich (Eds.). 1992. "Regulatory Issues in the Wood Products Industry." Ohio State University, Piketon Research and Extension Center, Misc. Pub. 9-92, 54 p.

Bratkovich, S. (Ed). 1992. "Ohio Forest Industry Newsletter." (Newsletter regularly written between 1986 and 1992).

Bratkovich, S. 1990. "4-H Forestry Judging Handbook." Vinton County Ohio Extension Service.

Bratkovich, S., et al. 1990. "The Sawmill and Planing Mill Industry in Ohio." Final Report, Ohio State University Research Foundation project number 76844/723715.

Passewitz, G., Bratkovich, S., et al. 1990. "Selected Ohio Forest Products Industry Residue." Final Report, Ohio State University Research Foundation project number 768440/ 723715.

Bratkovich, S. 1990. "Ohio's Forest and the Global Environment." Joint publication of the Ohio SAF and Ohio Forestry Association/Timber Industry Council to acknowledge Earth Day, 4 p.

Bratkovich, S., and R. Heiligmann. 1990. "Measuring Standing Trees." Ohio State University Extension Fact Sheet, 3 p.

Romig, R., Bratkovich, S., and G. Passewitz. 1990. "Economic Impact of Ohio's Forest Products Industry: Part I." Ohio Forestry Association, 10 p.

Bratkovich, S., et al. 1990. "Economic Impact of Ohio's Forest Products Industry: Part II." Ohio Forestry Association, 7 p.

Bratkovich, S. 1989. "Developing a Hunting Lease Enterprise in Ohio." Bulletin 798, Ohio Cooperative Extension Service, 14 p.

Passewitz, G., and S. Bratkovich. 1987. "Native Species for Home and Farm Use." Ohio Cooperative Extension Fact Sheet, 3 p.

Bratkovich, S. 1986. "Measuring Logs." Ohio Cooperative Extension Fact Sheet, 2 p.

Heiligmann, R., and S. Bratkovich. 1986. "Marketing Timber from Private Woodlands." Bulletin 738, Ohio Cooperative Extension Service, 8 p.

Bratkovich, S. 1985. "Tax Savings on Timber Sales." Ohio Cooperative Extension Fact Sheet, 2 p.

Bratkovich, S. 1985. "A Graphic Overview of the Forests and Forest Industries in Southern Ohio." Ohio Cooperative Extension Note, 33 p.

Bratkovich, S. 1985. "Christmas Tree Production in Ohio: Some Pros and Cons." Ohio Cooperative Extension Note, 2 p.

Bratkovich, S. 1982. "Measuring Woodland Timber." Oklahoma State University Extension Fact Sheet, 4 p.

Bratkovich, S. 1978. "Windbreak Valuation." Nebraska Forest Service publication, 26 p.

POPULAR ARTICLES (since 2004)

Fernholz, K., and S. Bratkovich. (In press). "Recreational Opportunities on Private Lands." Tree Farmer magazine.

Bratkovich, S. 2006. "Markets for Ecosystem Services." Independent Sawmill and Woodlot Management, May/June issue, pp. 26-29.

Bratkovich, S. 2006. "All Signs Point to a Great Year Ahead." Independent Sawmill and Woodlot Management, January Buyer's Guide issue, pp. 4-9, 59-60.

Bratkovich, S. 2006. "Learn the Advantages of Conducting a SWOT for Your Forestry or Wood Products Business." Independent Sawmill and Woodlot Management, February issue, pp. 18-26.

Bratkovich, S. 2006. "Tips on Timber Tax: An Interview with Bill Hoover." Independent Sawmill and Woodlot Management, March issue, pp. 22-25, 41.

Bratkovich, S. 2005. "Hurricane Katrina: Impacts on Forests, Forest Landowners, and Forest Product Markets." Independent Sawmill and Woodlot Management, December issue, pp. 18-23.

Bratkovich, S. 2005. "Words of Wisdom for Woodworkers and Woodland Owners: An Interview with R. Bruce Hoadley." *Independent Sawmill and Woodlot Management*, September issue, pp. 8, 10-12.

Fernholz, K., and S. Bratkovich. 2005. "Forest Owner Cooperatives: Management and Marketing Advantages and Opportunities." *Tree Farmer magazine*, May/June issue, pp. 6-10.

Bratkovich, S. 2005. "The Ins and Outs of Selling." *Independent Sawmill and Woodlot Management*, April issue, pp. 34-38.

Bratkovich, S. 2005. "Enhancing Your Business Image." *Independent Sawmill and Woodlot Management*, March issue, pp. 34-37.

Bratkovich, S. 2005. "Wisdom on Wood." *Independent Sawmill and Woodlot Management*, January/February issue, p. 48.

Bratkovich, S. 2004. "Industry Trends and Your Business." *Independent Sawmill and Woodlot Management*, December Buyer's Guide issue, pp. 36-37.

Bratkovich, S. 2004. "Planning: The Path to Success." *Tree Farmer magazine*, November/ December issue, pp. 32-35.

Bratkovich, S. 2004. "Every Day in Every Community." *Independent Sawmill and Woodlot Management*, October/November issue, p.52.

Bratkovich, S. 2004. "An Interview with Stan Lunstrum (on Sawmilling Strategies)." *Independent Sawmill and Woodlot Management*, August/September issue, pp. 22-27.

Bratkovich, S. 2004. "Speak Up for Forestry." *Independent Sawmill and Woodlot Management*, August/September issue, p.56.

Bratkovich, S. 2004. "Six Simple Marketing Steps to Improve Profitability." *Independent Sawmill and Woodlot Management*, July issue, pp. 40-45.

RECENT PRESENTATIONS (selected to show variety)

"The Greatest Good." Keynote address for Tri-State Forest Stewardship Conference. March 11, 2006. Sinsinawa, Wisconsin.

"Utilizing Municipal Trees: Wood Waste to Wood Products." Midwestern Chapter International Society of Arboriculture. February 22, 2006. Bismarck, North Dakota.

“Utilization Opportunities for Emerald Ash Borer Killed Trees.” North Central Forest Pest Workshop. September 21, 2005. La Crosse, Wisconsin.

“Sustainability for a Growing World Population.” International Forest Products Society convention. June 20, 2005. Quebec City, Canada.

“Planning for Success.” Seminars on Building a Successful Wood Products Company. October 21 and November 18, 2004. Ridgway, Pennsylvania (Penn State Cooperative Extension) and Eugene, Oregon (Sustainable Northwest Partnership).

“Forest Products: Global Markets and Local Impacts.” Keynote address for statewide Loggers’ Conference. April 2, 2004. Cable, Wisconsin.

“Utilization of Municipal Trees.” Conference on Stewardship of Small Woodlots in Urbanizing Areas. November 6, 2003. Portsmouth, New Hampshire.

“Small Woodlots, Big Appetites, and Timber Growth and Removals.” Keynote address for Tri-State Forest Stewardship Conference. March 22, 2003. Keokuk, Iowa.

“Forest Certification Options for Private Landowners.” Conference for Woodland Owners and Users. October 11, 2003. Collegetown, Minnesota.

“Sawmill Production of Dimension Parts.” Presentation to Massachusetts Wood Recovery Subcommittee. April 200. Auburn, Massachusetts.

“Developing a Business Plan for Value-Added Forest Product Businesses.” Seminar series on Forest Products Business Planning, Financial Support and negotiated Contracts. October 26-28, 1998. Fairbanks, Palmer and Soldotna, Alaska (University of Alaska Extension Service).

HONORS AND AWARDS

Extra Effort Award for Leadership, Initiative, and Management in Program, Budget and Personnel Issues (USDA Forest Service), 2005.

Spot Award for Teamwork, Technical Expertise, and Support for “Backyard Woods” publication (USDA Forest Service), 2005.

Spot Award for Leadership in Field Office’s Grant Monitoring Program (USDA Forest Service), 2005.

Certificate of Appreciation for Natural Resources in the Classroom Project (Minnesota Society of American Foresters), 2003.

Certificate of Appreciation for Contributions to Small Wood Conference (New Mexico State Forestry Department and USDA Forest Service), 2002.

Chief's Award for Excellence in Technology Transfer (USDA Forest Service), 2002.

Certificate of Appreciation and Recognition for Chairing Upper Mississippi Valley Section (Forest Products Society), 2001.

Extra Effort Award for Leadership in Implementing Continuous Improvement Project for Field Office (USDA Forest Service), 1999.

Outstanding Member Award (Minnesota Society of American Foresters), 1998.

Chief's Communication Award, Second Place (USDA Forest Service), 1996.

Certificate of Merit for Contribution to Chief's Review of the Northeastern Area (USDA Forest Service), 1995.

Certificate of Merit for Leadership and Development of Publication titled "Flooding and Its Effect on Trees" (USDA Forest Service), 1994.

Communicator of the Year Award (Ohio Society of American Foresters), 1992.

Outstanding Academic Achievement Award (Department of Agricultural Education, The Ohio State University), 1991.

Gamma Sigma Delta (Honor Society of Agriculture), 1991.

Achievement Award (Ohio Cooperative Extension Agents Association), 1987.

Television Teaching Award (Epsilon Sigma Phi), 1987.

Team Teaching Award (Epsilon Sigma Phi), 1987.

Newsletter Award (Epsilon Sigma Phi), 1986.

Newspaper Feature Article Award (Epsilon Sigma Phi), 1985.

Achievement Award (National Association of County Agricultural Agents), 1982

PROFESSIONAL AFFILIATIONS

Member, Society of American Foresters. Currently serving on the Journal of Forestry editorial board for utilization and engineering subject area. Past Chair, Southern Chapter,

Minnesota SAF. Past Chair, Continuing Education Committee, Ohio SAF. Past Chair, Oklahoma SAF.

Member, Forest Products Society. Currently serving on the International Board of Directors. Past Chair, Upper Mississippi Valley Section, Forest Products Society.

Adjunct Associate Professor, University of Minnesota, College of Natural Resources. Currently teach bio-based products orientation class (since 1995).

GRANTS AND CONTRACTS (Ohio Cooperative Extension Service, 1983 - 1992)

<u>Project</u>	<u>P.I.</u>	<u>Amount</u>
Ohio Forest Product Marketing Study	Moss/Bratkovich	\$4,000
Forest Industries and Rural Development	Floyd/Bratkovich	\$84,700
Forest Industries By-Product Study	Bratkovich	\$18,000
Extension Education Study Assignment	Bratkovich	\$23,000
Wildlife Mgmt. (Ruffed Grouse Society)	Bratkovich	\$24,000
Sheep Production and Silviculture	Clay/Bratkovich	\$4,000
Shiitake Production on Oak Logs	Bratkovich	\$25,000

Note: Since 1992 it has been my responsibility to monitor, evaluate, and document accomplishments of federal grants awarded to Forest Service partners.

REFERENCES

Dr. Eric Norland
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Forest Resource Management
USDA CSREES
1400 Independence Avenue, SW – Stop 2210
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