

Lisa Schulte Moore

Iowa State University
Natural Resource Ecology & Management, 339 Science II, Ames, IA 50011
Phone: 515-294-7339; Email: lschulte@iastate.edu;
Web: www.nrem.iastate.edu/landscape

Education

Ph.D. in Forestry, University of Wisconsin-Madison, 2002
M.S. in Biology (emphasis in avian ecology), University of Minnesota-Duluth, 1996
B.S. in Biology, University of Wisconsin-Eau Claire, 1993

Positions

Assistant Professor of Landscape Ecology, 2003 – present, Iowa State University, Department of Natural Resource Ecology and Management, Ames, IA
Postdoctoral Associate, 2002 – 2003, USDA Forest Service Northern Research Station, Grand Rapids, MN
Associate Lecturer of Biology, 1997 – 1998, University of Wisconsin – Eau Claire, Eau Claire, WI
Biology Instructor, 1997, Western Michigan University, St. Joseph, MI

Selected Publications (36 publications total; 17 as lead author; 23 peer-reviewed)

- Atwell, R.C., L.A. **Schulte**, and L.M. Westphal. In press. Linking resilience and diffusions of innovations to restore perennial cover in the U.S. Corn Belt. *Ecology and Society*.
- Rayburn, A.P., and L.A. **Schulte**. In press. Integrating historic and contemporary data to delineate remnant natural areas within agricultural landscapes. *Natural Areas Journal*.
- Dettman, C.L., C.M. McMullen, L.A. **Schulte**. 2008. Restoration of midwestern U.S. savannas: One size does not fit all. *Restoration Ecology*: doi 10.1111/j.1526-100X.2008.00413.x.
- Schulte**, L.A., M. Rickenbach, and L.C. Merrick. 2008. Ecological and economic benefits of cross-boundary coordination among private forest owners. *Landscape Ecology* 23:481-496.
- Secchi, S., J. Tyndall, L.A. **Schulte**, and H. Asbjornsen. 2008. High crop prices and conservation: Raising the stakes. *Journal of Soil and Water Conservation* 63:68A-73A.
- Schulte**, L.A., D.J. Mladenoff, T.R. Crow, L. Merrick, and D.T. Cleland. 2007. Homogenization of northern U.S. Great Lakes forests as a result of land use. *Landscape Ecology* 22:1089-1103.
- Schulte**, L.A., M. Liebman, H. Asbjornsen, and T.R. Crow. 2006. Agroecosystem restoration through strategic integration of perennials. *Journal of Soil and Water Conservation* 61:164A-169A.
- Schulte**, L.A., R.J. Mitchell, M.L. Hunter, Jr., J.F. Franklin, R.K. McIntyre, and B.J. Palik. 2006. Evaluating the conceptual tools for forest biodiversity conservation. *Forest Ecology and Management* 232:1-11.
- Schulte**, L.A., A.M. Pidgeon, and D.J. Mladenoff. 2005. One-hundred-fifty years of change in forest bird breeding habitat: historical and current estimates of species distributions. *Conservation Biology* 19:144-156.
- Schulte**, L.A., and D.J. Mladenoff. 2005. Severe wind and fire regimes in northern Wisconsin (USA) forests: historical variability at the regional scale. *Ecology* 86:431-445.
- Schulte**, L.A., D.J. Mladenoff, S.N. Burrows, T.A. Sickley, and E.V. Nordheim. 2005. Spatial controls of Pre-Euroamerican wind and fire in Wisconsin (USA) forests: a multiscale assessment. *Ecosystems* 8:73-94.
- Bolliger, J., L.A. **Schulte**, S.N. Burrows, T.A. Sickley, and D.J. Mladenoff. 2004. Assessing ecological restoration potentials of Wisconsin (USA) using historical landscape reconstructions. *Restoration Ecology* 12:124-142.
- Schulte**, L.A., D.J. Mladenoff, and E.V. Nordheim. 2002. Quantitative classification of a historic northern Wisconsin landscape: Mapping forests at regional scales. *Canadian Journal of Forest Research* 32:1616-1638.
- Schulte**, L.A., and D.J. Mladenoff. 2001. The original U.S. Public Land Survey records: Their use and limitations in reconstruction pre-European settlement vegetation. *Journal of Forestry* 99:5-10.
- Schulte**, L.A., and G.J. Niemi. 1998. Bird populations in burned and logged forests of Northeastern Minnesota. *Journal of Wildlife Management* 62:1418-1429.

Selected Grants (\$1,593,330 in total funding; \$853,763 as lead-PI)

- Leopold Center for Sustainable Agriculture Ecology Initiative Grant, 2008; Agronomic, environmental, and economic performance of alternative biomass cropping systems; \$91,153 (lead-PI)
- The Nature Conservancy, 2008; Establishing restoration baselines for the Loess Hills region; \$60,000 (lead-PI)
- Leopold Center for Sustainable Agriculture Ecology Initiative Grant, 2006; The impact of biodiversity services in rowcrop production in annual versus perennial landscapes; \$71,210 (co-PI)
- Center for Global and Regional Environmental Research Grant, 2006; Using the past to create a sustainable future for agriculture: The impact of federal farm policy on environmental and social landscape change in Iowa; \$10,000 (lead-PI)
- Iowa Department of Natural Resources State Wildlife Grant, 2005; Response of forest birds to changes in LULC in the Driftless Area of northeastern Iowa; \$149,964 (co-PI)
- Leopold Center for Sustainable Agriculture Ecology Initiative Grant, 2004; Integration of water, nutrient, and carbon cycling under diverse annual-perennial plant community systems in agricultural landscapes; \$125,000 (co-PI)
- USDA Forest Service North Central Research Station Grant, 2004; Invasibility and restoration of oak ecosystems in the Midwest Driftless Area; \$142,644 (lead-PI)
- USDA Forest Service North Central Research Station Integrated Programs Grant, 2004; Assessing cross-boundary NIPF owner cooperation through comparisons of future productivity and landscape scenarios; \$49,122 (co-PI)
- USDA Forest Service Eastern Regional Office Grant, 2003; Ecological, social, and economic implications of the changing composition and structure of forest ecosystems in the Great Lakes Region; \$50,000 (lead-PI)
- National Commission on Science and Sustainable Forestry Research Grant, 2003; Calibration of conservation theory and principles applied at various geographic scales; \$99,725 (co-PI)

Selected Honors and Awards

- Elected Member of the Governing Board, U.S. Chapter of the International Association for Landscape Ecology, 2006, 2008
- Teaching Award of Merit from the North American Colleges and Teachers of Agriculture, 2007
- Early Achievement in Teaching Award from Iowa State University's College of Agriculture, 2007
- Most Beloved Professor, Iowa State University Fish and Wildlife Biology Club, 2006
- Wakonse Teaching Fellow from the Wakonse Foundation and Iowa State University's Center for Excellence in Learning and Teaching, 2006
- Committee on Inter-institutional Cooperation WISE Student Travel Award, National Science Foundation, 2000
- Professional Enhancement Award, National Aeronautics and Space Administration and Michigan State University, 1999
- Women In Science and Engineering Leadership and Travel Award, National Science Foundation, 1999
- Carl S. Schildt Scholarship for Excellence in Biology, University of Wisconsin-Eau Claire, 1993

Professional Memberships: American Association for the Advancement of Science, Association for Women in Science, Ecological Society of America, Forest History Society, International Association for Landscape Ecology, Natural Areas Association, Society of American Foresters

Selected Collaborators: Heidi Asbjornsen (Iowa State), Thomas Crow (US Forest Service), Jerry Franklin (U. Washington), Glenn Guntenspergen (USGS), Matt Helmers (Iowa State), Matt Liebman (Iowa State), Randy Kolka (US Forest Service), David Mladenoff (U. Wisconsin-Madison), Brian Palik (US Forest Service), Anna Pidgeon (U. Wisconsin-Madison), Mark Rickenbach (U. Wisconsin-Madison), Silva Secchi (Southern Illinois U.), Randy Swaty (The Nature Conservancy)

Graduate Students: Ryan Atwell (Ph.D. 2008), Paul Brown (Ph.D. 2008), Katharyn (Derr) Lang (M.S. 2006), Dustin Farnsworth (M.S. X'09), Kumudan Grubh (Ph.D. X'10), Drake Larsen (M.S., X'10), Tricia Knoot (Ph.D. 2008), Erik Mottl (M.S. 2007), Todd Ontl (Ph.D. X'11), Andrew Rayburn (M.S. 2006)