



Kerry Brooks, Ph.D.
Associate Professor, Landscape Architecture
Director, Geographic Information Systems and
Simulation Laboratory
(509) 358-7911
kerrybrooks@wsu.edu

(Full version of CV available at <http://www.spokane.wsu.edu/gis/Projects/VITAnow.pdf>)

EDUCATION

- Ph.D. Urban Design and Planning, University Washington, Specializing in Land Use and Geographic Information Systems/Remote Sensing, 1991
- Master of Urban Planning, University of Washington, 1983
- Bachelor of Arts, *cum laude*, Fairhaven College, Western Washington University, 1972

RESEARCH INTERESTS

- Land use and environmental planning
- Computerized geographic information systems
- Image processing and remote sensing
- Planning research methods and computer applications.

Dr. Brooks has served as principal investigator and consultant in land use planning and modeling, and GIS/remote sensing for numerous state, local, and federal agencies. His current research focuses on grassroots use and applications of GIS for watershed based conservation planning and GIS for analysis and visualization of planning and design scenarios.

Other work includes GIS modeling of infrastructure investments and economic structure, open space implementation evaluation, image processing applications, community master planning and land use planning, and land use economic analysis.

Dr. Brooks has collaborated on GIS based projects with multiple disciplines, including environmental toxicology, resource planning, environmental engineering, civil engineering and regional economics.

AWARDS AND RECOGNITION

- Appointed to Fulbright Senior Specialists Roster J. William Fulbright Foreign Scholarship Board (FSB), the Bureau of Education and Cultural Affairs of the Department of State (ECA), and the Council for International Exchange of Scholars (CIES)

- Received Plaque/award for Service to South Carolina State Mapping Committee and the state mapping community (2001)
- Certificate of Appreciation, Greenville County, SC Planning Commission, 1996
- Outstanding Dissertation Award, University of Washington College of Architecture & Urban Planning, 1991
- Department of Urban Design and Planning, Faculty Medal, June 1991
- Research Honor Award, Washington State American Planning Association and Planning Association of Washington for "Lots of Space: An Evaluation of Mandated Open Space in Subdivisions of King County, Washington" (Ph.D. Dissertation), 1991
- University of Washington, Graduate School Scholarship, Winter Term, 1985
- Letter of Distinguished Achievement on Admission to Candidacy, University of Washington, 1985

PROFESSIONAL EXPERIENCE

- Interdisciplinary Design Institute and Department of Horticulture and Landscape Architecture, Washington State University, Spokane WA. Associate Professor and Director, Geographic Information Systems and Simulation Laboratory. August 2000 - Present
- Department of Planning & Landscape Architecture, Clemson University, Clemson, SC. Assistant and Associate Professor. Teaching land use and environmental planning, computerized geographic information systems (GIS), planning research methods, planning studio, introduction to planning. Research interests include GIS-based modeling, applications and technology issues, open space, image processing and visualization, and land use-planning outcomes. 1988-2000
- Consultant. Geographic Information Systems and Land Planning. Clients include numerous state, local and federal agencies, and community and conservation groups. Remote sensing and land use/environmental planning. 1985-Present.

SELECTED PUBLICATIONS

- Brooks, K., B. Nocks, T. Farris and G. Cunningham. 2002. "Teaching for Practice: Implementing a Process to Integrate Work experience in an MCRP Curriculum" *Journal of Planning Education and Research* 22:188-200
- Brooks, K. 2001. "Flying the Palouse: Metaphors for movement over virtual Landscapes." Peer reviewed Abstract submitted for 2002 ESRI National GIS Conference, July 2002.
- Brooks, K and M. Bishopp. 2001. "Evaluating Conflicts and Costs Associated with Proposed Landscape-based Salmon Habitat Protection Measures" Peer Reviewed Abstract published in *Proceedings/Program*, 16th Annual Symposium of the International Association of Landscape Ecology, U.S. Chapter, Tempe AZ April 25-29 2001, page 102.

- Brooks, K., D. Aken and T. Lucas. (1999). Final Report: Using CITYgreen to Develop Municipal Forest-Friendly Planning Goals and Development Regulations," Grant Number 98U31, Submitted to: the South Carolina Forestry Commission, Columbia, SC.
- Brooks, K., B. Nocks, T. Farris and G. Cunningham. 1999. "Teaching for Practice: Implementing a Process to Integrate Work Experience in an MCRP Curriculum." Accepted and in queue for publication in *Journal of Planning Education and Research*.
- Brooks, K. 1998. "GIS Augmented Grassroots Conservation Planning in the Southern Appalachians, Lessons and Prospects." Peer Reviewed Paper Prepared for the 40th Annual Conference of the Association of Collegiate Schools of Planning, November 5-8, 1998, Pasadena, CA, USA.
- Nyerges, T., M. Barndt and K. Brooks. 1997. Public Participation GIS. In *Proceedings, ACSM/ASPRS Annual Convention & Exposition technical Papers, Volume 5 Auto Carto 13*, Seattle WA, April, 1997:224-233.
- Bao, S., Henry, M.S., D.L. Barkley, K. R. Brooks. 1996. "RAS: A System for Regional Analysis." *Computers, Environment and Urban Systems*.
- Brooks, KR. 1995, "Proposed Chattooga Basin Conservation Plan" Southern Appalachian Man and Biosphere Annual Conference, Knoxville, TN, November 14-16, 1995.
- Brooks, KR. 1995. "Report on GIS Activities of the Southern Appalachian Assessment." Submitted to the Southern Appalachian Forest Coalition, July 1995.
- Henry, M.S., D.L. Barkley, K. R. Brooks, S. Bao and K. Compton. 1995. "How Functional are Functional Economic Areas: Tests for Spatial Association Using GIS Based Spatial Analytic Techniques. *Papers in Regional Science 1995 (4)* 1-20.
- "Chattooga River Basin Study." Fall, 1994. *Palmetto Planner*.
- Brooks, K.R., M.S., J.B. London, and L.A. Singletary. 1993. "Analysis and Simulation of Employment and Income Impacts of Infrastructure Investments in a State-wide GIS Framework." *Computers, Environment and Urban Systems 17*:129-151.
- Brooks, K.R., B.G. Savitsky, D.P. Tarbox, J.S. Allen, A. Mukherjee and W. Clark. 1991. "A Database and Mapping Framework for Climate Analysis in the Southeastern United States." Research Report #1120591, Southeast Regional Climate Center, July 1991.
- Brooks, K.R. 1995. "Review: *GIS and Environmental Modeling*," M. Goodchild, Editor. New York: Oxford. *Journal of Regional Science 35(3)* 507-509.
- Savitsky, B. and K. Brooks. 1991. "The Integration of Climate and Hydrology Station Data with Land Cover Data in a GIS for the Southeastern United States." In: Smith, E.R. (ed). 1991. *Proceedings of the Second Annual Southern Appalachian Man and the Biosphere Conference*, November 4 and 5 1991, Gatlinburg, TN.

PROFESSIONAL SOCIETIES AND AFFILIATIONS

- National Board of Directors; Conservation Technology Support Program
- Association of Collegiate Schools of Planning Computer Users Group
- Washington Geographic Information Council

TEACHING EMPHASIS

- LA 450, Principles and Practice of Planning
- LA 467, Regional Landscape Inventory and Analysis
- LA 477, Landscape Applications of Geographic Information Systems