

Paul F. Anderson

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Department of Agronomy
Iowa State University
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PRESENT RESPONSIBILITIES

Professor, Department of Landscape Architecture (2000 to present)

Professor, Department of Agronomy, Iowa Agriculture and Home Economics Experiment Station, Land Use Analysis Laboratory (2000 to present)

Director of Graduate Education, Department of Landscape Architecture (2001 to present)

Faculty member, Graduate Program in Sustainable Agriculture (2000 to present)

Faculty member, Graduate Program in Environmental Science (2001 to present)

Faculty member, Graduate Certificate in Geographic Information Systems (2003 to present)

Advisor, 14 undergraduate students in landscape architecture

Advisor, 8 graduate students in landscape architecture, Geographic Information Systems, environmental science, and sustainable agriculture

PREVIOUS POSITIONS

Graduate Research Assistant, Department of Landscape Architecture, Iowa State University (1972 to 1974)

Research Associate, Land Use Analysis Laboratory, Iowa State University (1974 to 1979)

Land Use Planner, Knox and Clarke, Ames, Iowa (1974 to 1975)

Landscape Architect, James B. Sinatra, Landscape Architect, Ames, Iowa (1975 to 1977)

Instructor, Department of Landscape Architecture, Iowa State University (1977 to 1979)

Assistant Professor, Department of Landscape Architecture, Iowa State University (1979 to 1982)

Assistant Professor, Department of Agronomy, Iowa State University (1979 to 1982)

Associate Professor, Department of Landscape Architecture, Iowa State University (1982 to 2000)

Associate Professor, Department of Agronomy, Iowa State University (1982 to 2000)

Co-Director of Graduate Education, Department of Landscape Architecture (1983 to 2001)

Interim Chair, Department of Landscape Architecture, Iowa State University (1991 to 1992)

Visiting professor, Writtle College, University of Essex, Chelmsford, England (2007)

EDUCATION AND PROFESSIONAL REGISTRATION

Iowa State University, BS in Landscape Architecture, May 1972

Iowa State University, MLA, August 1974

Landscape Architect, No. 94, Iowa Board of Landscape Architectural Examiners

PROFESSIONAL ORGANIZATIONS

American Society of Landscape Architects

Soil and Water Conservation Society of America

Council of Educators in Landscape Architecture

American Society for Photogrammetry & Remote Sensing

AREAS OF PROFESSIONAL EXPERIENCE

Geographic information systems

Remote sensing and photo interpretation

Computer-aided design and computer graphics

Design programming, processes, and methods

Landscape planning in developing countries

Regional landscape design

Ecological design and mitigation planning

Agricultural land use / farmland preservation

Environmental impact assessment

Visual resource planning and management

HONORS AND AWARDS

Faculty Recognition Award, ISU Vice President for Student Affairs, 2009
Feature article, Faces of Campaign Iowa State, ISU Visions magazine, ISU Foundation and ISU Alumni Association, Winter 2008
Faculty Professional Development Assignment, Integration of new Geographic Information System (GIS) technology in landscape planning teaching, research, and outreach, 2001-2002 (fall semester)
Faculty Award for Extraordinary Performance, College of Design, 1997-1998
Faculty improvement leave, revised text for second edition of Regional Landscape Analysis, 1993-1994 (fall semester)
Faculty Award, Student Society of Landscape Architects, Department of Landscape Architecture, 1991-1992
Distinguished Master's Thesis Award, Midwestern Association of Graduate Schools (MAGS). Computer-Aided Reverse Perspective Analysis (CARPA) for historic site documentation. Ned Crankshaw (LA) thesis, 1988-1989
Amoco Teaching Excellence Award, 1986-1987
Faculty improvement leave, dynamic simulation for 3-D landscape modeling, US Forest Service, 1984-1985 (spring semester)
Honor Award for Research, Design and Planning Applications of Computer Technology, American Society of Landscape Architects, 1983-1984
Merit Award for Research, Design and Planning Applications of Computer Technology, Iowa Chapter, American Society of Landscape Architects, 1983-1984

COURSES TAUGHT

LA 241	Basic landscape design 4 cr.
LA 251	Fundamentals of site grading and construction 4 cr.
LA 261	Landscape data and inventory 3 cr.
LA 282X	Landscape dynamics and design 3 cr.
LA 302	Regional landscape design 6 cr.
LA 342	Intermediate landscape design 4 cr.
LA 361	Landscape inventory and analysis 3 cr.
LA 381	Shaping the land 3 cr.
LA 411	Computer graphics in landscape architecture 2 cr.
LA 462	Landscape resource management 4 cr.
LA 463	Comprehensive landscape planning 4 cr.
LA 490E	Independent studies in landscape planning 1-4 cr.
LA 490K	Independent studies in computer applications 1-4 cr.
LA 501	Graduate seminar 1 cr.
LA 511	Computer graphics in landscape architecture 2 cr.
LA 541	Principles of research for landscape architects 3 cr.
LA 562	Studio in landscape resource conservation and planning 6 cr.
LA 567	Advanced GIS landscape modeling 3 cr.
LA 581	Thesis preparation 4 cr.
LA 580	Research tutorial 4 cr.
LA 590E	Independent studies in landscape planning 1-4 cr.
LA 590K	Independent studies in computer applications 1-4 cr.
LA 590/BOT 684	GIS seminar/workshop 2 cr.
LA 599	Creative component 1-8 cr.
LA 699	Thesis research 1-8 cr.

SELECTED RESEARCH

A PARTICIPATORY APPROACH TO ASSESS THE FUTURE OF THE BIOECONOMY IN GREENE COUNTY. Co-Principal Investigators Monica Haddad and Paul F. Anderson; Iowa Energy Center, Leopold Center for Sustainable Agriculture, Greene County Development Corporation, 2006 to 2007.
SITE SUITABILITY MODELING TO IDENTIFY POTENTIAL CORN STOVER COLLECTION SITES IN NORTHERN IOWA. Co-Principal Investigators Monica Haddad and Paul F. Anderson; Leopold Center for Sustainable Agriculture, W.K. Kellogg Foundation, Iowa Northern Railway, 2005 to 2006.
IMPACTS OF LAND USE CHANGES ON SOIL QUALITY IN AMES AND ANKENY, IOWA; Co-Principal Investigators Andrew Manu and Paul F. Anderson; Iowa Agriculture and Home Economics Experiment Station, 2003 to 2007.

SAND AND GRAVEL MINING SITE SUITABILITY MODELING FOR DALLAS COUNTY; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 2002 to 2004.

GIS DESCRIPTIVE MODELING OF HISTORIC SOIL SUITABILITY FOR AGRICULTURE IN IOWA; Principal Investigator Paul F. Anderson; Iowa Agriculture and Home Economics Experiment Station, 2001 to present.

INTERACTIVE GIS FOR RESOURCE PLANNING AND MANAGEMENT; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 2001 to 2003.

ARCHAEOLOGICAL SITE GIS PREDICTIVE MODELING FOR CAMP DODGE AND VICINITY; Principal Investigators Paul F. Anderson and Joseph Tiffany; Iowa Army National Guard, 1997 to 2002.

1998 PILOT LAND USE INVENTORY; Principal Investigators Paul F. Anderson and Stuart Huntington, Iowa Legislative Commission on Urban Planning, Growth Management of Cities, and Protection of Farmland, Des Moines, 1998

IOWA WETLANDS AND RIPARIAN AREAS PLAN; Principal Investigators Paul F. Anderson, Julia Badenhope, and Jeff Logsdon; US Environmental Protection Agency and Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, 1995 to 1998.

GEOGRAPHIC INFORMATION SYSTEM FOR SCENIC BYWAY CORRIDOR PLANNING AND FLOODPLAIN MANAGEMENT IN THE LOESS HILLS OF WESTERN IOWA. Principal Investigator Paul F. Anderson; USDA Soil Conservation Service, 1993 to 1996.

GIS DIGITIZING AND ANALYSIS OF HISTORIC VEGETATION FROM 1832-1859 GENERAL LAND OFFICE TOWNSHIP PLAT MAPS; Principal Investigator Paul F. Anderson; Iowa Department of Natural Resources, 1992 to 2002.

GEOGRAPHIC INFORMATION SYSTEM FOR RECREATION, RESOURCE PLANNING, AND ARCHAEOLOGICAL SITE MODELING IN THE RACCOON RIVER GREENBELT; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 1989 to 1996.

IOWA WELCOME CENTER TOURISM DATABASE AND GEOGRAPHIC INFORMATION SYSTEM; Principal Investigator Paul F. Anderson; Iowa Department of Economic Development, Division of Tourism, 1988 to 1991.

LAND USE IN IOWA COUNTIES: INVENTORY PROCEDURES, TABULATION, AND PRODUCTS; Principal Investigators Paul Anderson and Kevin Kane; Iowa Department of Soil Conservation and Design Research Institute, 1985.

DESIGN AND PLANNING APPLICATIONS OF COMPUTER TECHNOLOGY: A NATIONAL SURVEY; Principal Investigator Paul Anderson; Design Research Institute, Iowa State University 1983. (American Society of Landscape Architects Iowa Chapter Research Award, American Society of Landscape Architects National Research Award.)

INTEGRATED AREA DEVELOPMENT STUDY OF GUATEMALA; Principal Investigator Jerry Knox; U.S. Agency for International Development, 1979-1983.

SELECTED PUBLICATIONS

Haddad, Monica, Paul F. Anderson, and Craig Hertel. 2009. A PARTICIPATORY APPROACH TO ASSESS THE FUTURE OF THE BIOECONOMY IN AN IOWA COUNTY, *Journal of Rural and Community Development*, accepted for publication

Haddad, Monica, and Paul F. Anderson. 2008. A GIS METHODOLOGY TO IDENTIFY POTENTIAL CORN STOVER COLLECTION SITE LOCATIONS. *JOURNAL OF BIOMASS AND BIOENERGY*, *Journal of Biomass and Bioenergy* 32 (12): 1097-1108.

Anderson, Paul F. 2007. GEOGRAPHIC FACTORS INFLUENCING BIOREFINERY LOCATION, *Proceedings of Community Futures 2007: The Small Town in the Bioeconomy*, p. 47-51.

Haddad, Monica, and Paul F. Anderson. 2007. A PARTICIPATORY APPROACH TO ASSESS THE FUTURE OF THE BIOECONOMY IN GREENE COUNTY. *ISU Extension*. 206 pp.

Haddad, Monica, and Paul F. Anderson. 2007. A PARTICIPATORY APPROACH TO ASSESS THE FUTURE OF THE BIOECONOMY IN GREENE COUNTY. *Community Matters* 1(4): 4. *ISU Extension*.

Haddad, Monica, and Paul F. Anderson. 2007. A PARTICIPATORY APPROACH TO ASSESS THE FUTURE OF THE BIOECONOMY IN GREENE COUNTY. *ISU Bioeconomy Institute newsletter*

Anderson, Paul F. 2007. GIS SITE SUITABILITY MODELING FOR SAND AND GRAVEL EXTRACTION: FINAL REPORT, Board of Supervisors, Dallas County, Iowa, 113 p.

Haddad, Monica, Paul F. Anderson, and Patrick Brown. 2005. GIS SITE SUITABILITY MODELING TO IDENTIFY POTENTIAL CORN STOVER COLLECTION SITES AND PROCESSING PLANT LOCATIONS IN NORTHERN IOWA, *ISU Extension*, 63 pp.

Anderson, Paul F. 2003. GIS SITE SUITABILITY MODELING FOR SAND AND GRAVEL EXTRACTION: FINAL REPORT, Board of Supervisors, Dallas County, Iowa, 113 p.

Kane, Kevin, Patrick Brown, and others. 2000. IOWA'S HISTORIC VEGETATION. In *ENVIRONMENTAL ATLAS FOR THE PRAIRIE RIVERS RESOURCE CONSERVATION AND DEVELOPMENT*. Iowa Gap Analysis Program and US Department of Agriculture, Natural Resources Conservation Service, p. 11.

- Anderson, Paul F. and others. 1999. IOWA WETLANDS AND RIPARIAN AREAS CONSERVATION PLAN. US Environmental Protection Agency and Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, 121 p.
- Anderson, Paul F. and others. 1998. FINAL REPORT ON THE 1998 PILOT LAND USE INVENTORY; Principal Investigators Paul F. Anderson and Stuart Huntington, Iowa Legislative Commission on Urban Planning, Growth Management of Cities, and Protection of Farmland, Des Moines, 186 p.
- Anderson, Paul F. 1998. GIS PREDICTIVE MODELING OF ARCHAEOLOGICAL SITES IN CAMP DODGE, JOHNSTON, IOWA, Iowa National Guard, 43 p.
- Anderson, Paul F. 1997. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GENERAL LAND OFFICE TOWNSHIP PLAT MAPS. Living Roadway Trust Fund, Iowa Department of Transportation and Iowa State University, 256 pp.
- Anderson, Paul F., and Kevin M. Lyles. 1997. IOWA NEWS MEDIA COVERAGE OF WETLAND AND RIPARIAN AREA ISSUES. Iowa Department of Agriculture and Land Stewardship, 22 p.
- Anderson, Paul F. 1996. USING GEOTRANSFORMER (Software Review). Coordinated GIS, Iowa Geographic Information Council, p. 10-13.
- Anderson, Paul F. 1995. GIS MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT OF DALLAS COUNTY, IOWA. Dallas County Conservation Board, 37 pp.
- Wanberg, David J., and Paul F. Anderson. 1994. COALITION BUILDING FOR CONSERVATION: THE IOWA REAP PROGRAM. Journal of Soil and Water Conservation, July-August, p. 343-347.
- Anderson, Paul F. 1993. TEACHING GIS IN LANDSCAPE ARCHITECTURE. In the Proceedings of the World Computer Graphics Federation Conference on Teaching GIS, University of South Florida, Robert Aangeenbrug, editor.
- Anderson, Paul F., Dinah Kerkisiek and Pam Neenan. 1992. RESEARCH IN GEOGRAPHIC INFORMATION SYSTEMS: GRASS/GIS AND CONSERVATION RESERVE LANDS. Land Use Analysis Laboratory and College of Design, Iowa State University, 13 pp.
- Anderson, Paul F. 1990. GIS AT IOWA STATE UNIVERSITY. LA Computer News, American Society of Landscape Architects, Spring, p. 25-26.
- Mackey, Alan and Paul F. Anderson. 1989. IOWA'S HOT SPOTS: LOOKING AHEAD IN LAND STEWARDSHIP. Iowa Natural Heritage, Winter 1989, p 18-19.
- Anderson, Paul F. 1985. LAND INFORMATION FOR AGRICULTURAL LAND ASSESSMENT. Farm and Land Realtor, Vol. 36, No. 10, p. 14-16.
- Anderson, Paul F. 1985. LANDSCAPE PLANNING IN THE GUATEMALA HIGHLANDS. Chapter in Rural Landscape, Landscape Architecture Technical Information Service (LATIS), American Society of Landscape Architects.
- Anderson, Paul F., and Kevin L. Kane. 1984. APPLICATION OF LANDSAT DATA AND THE MSDAMP INFORMATION SYSTEM TO REGIONAL RECREATION PLANNING. In the Proceedings of the Annual Meeting of the Landscape/Land Use Planning Committee, American Society of Landscape Architects, Cincinnati, Ohio, p. 19-28.
- Anderson, Paul F. 1984. STATS ON COMPUTER USE. Landscape Architecture, Vol. 74, No. 6, p. 101-102.
- Anderson, Paul F. 1983. HACKERS, PROGRAMMERS, OR JUST PLAIN USERS: THE ROLE OF COMPUTER TECHNOLOGY IN L.A. EDUCATION. In the Proceedings of the Annual Conference of the Council of Educators in Landscape Architecture, Guelph, Ontario. p. 8-13.
- Knox, Jerry. 1983. A RURAL DEVELOPMENT PLANNING PROGRAM FOR GUATEMALA. U.S. Agency for International Development, Washington, D.C. 153 p.
- Anderson, Paul F. 1983. DESIGN AND PLANNING APPLICATIONS OF COMPUTER TECHNOLOGY: A NATIONAL SURVEY. Design Research Institute, Iowa State University, Ames. 121 p.
- Gulliford, James, et al. 1982. COUNTY LAND USE INVENTORY GUIDEBOOK. Iowa Department of Soil Conservation, Des Moines. 17 p.
- Anderson, Paul F., Julia A. Rodriguez, and M. Susan Erickson. 1981. MANUAL PARA USUARIOS DE PROGRAMA DE MAPEO SIMBOLICO (SMAP/MSDAMP). Traduccion por Walter Grajeda. Instituto de Fomento Municipal, Estudios Integrados de las Areas Rurales. Gobierno de Guatemala, 60 p.
- Anderson, Paul F. 1980. REGIONAL LANDSCAPE ANALYSIS. Environmental Design Press, Reston, Va. 248 p.
- Anderson, Paul F. 1979. INVENTORY AND EVALUATION OF POTENTIAL AREAS FOR THE PROTECTED WATER AREAS PROGRAM. Iowa Conservation Commission, Des Moines. 95 p.
- Anderson, Paul F. 1979. VISUAL LANDSCAPE RESOURCES: COMPUTER ASSISTED TECHNIQUES FOR INVENTORY, ANALYSIS, AND MANAGEMENT. Design Research Institute, Iowa State Univ., Ames. 59 p.
- Anderson, Paul F. 1978. LAND USE AND NATURAL RESOURCE INFORMATION SERVICES FOR COMMUNITY DEVELOPMENT--OTTUMWA, IOWA. Land Use Analysis Laboratory, Iowa State University, Ames. 41 p.
- Anderson, Paul F. and David D. Faxlanger. 1976. INTERPRETATIONS OF NATURAL RESOURCE DATA FOR LAND USE POLICIES IN STORY COUNTY, IOWA. In Land Use Policies, Zoning Ordinance, and Subdivision Regulations for Story County, Iowa, by Jerry Knox and Lance Clarke. Community Planning and Management Consultants, Ames, Iowa. 94 p.

- Anderson, Paul F. and Glenn H. Beavers. 1976. RECONNAISSANCE LEVEL IDENTIFICATION OF POTENTIAL NATURAL RESOURCE CRITICAL AREAS. Land Use Analysis Laboratory, Iowa State University, Ames. 44 p.
- Anderson, Paul F., et al. 1975. NATURAL RESOURCE ANALYSIS--STORY COUNTY, IOWA. Land Use Analysis Laboratory, Iowa State University, Ames. 38 p.
- Sinatra, James B., Paul F. Anderson, and D.D. Faxlanger. 1975. RECOMMENDED ALTERNATIVES FOR THE PLANTING OF THE ROCK FORESLOPE ALONG HIGHWAY 52 SOUTH OF GUTTENBERG, IOWA. Iowa Department of Transportation, Ames. 17 p.
- Anderson, Paul F. 1974. VEGETATION INFORMATION IN COUNTY RESOURCE PLANNING. M.L.A. Terminal Project. Department of Landscape Architecture, Iowa State University, Ames. 174 p.
- Anderson, Paul F., et al. 1973. A LAND CLASSIFICATION METHOD FOR LAND USE PLANNING. Land Use Analysis Laboratory, Iowa State University, Ames. 120 p.
- Sinatra, James B., Paul F. Anderson, J. Craig Taggart, and Glenn H. Beavers. 1973. LANDSCAPE OVERVIEW--AMES RESERVOIR ENVIRONMENTAL STUDY. Iowa State Water Resources Research Institute, Ames. 345 p.

SELECTED PAPERS PRESENTED

- Anderson, Paul F. 2009. GIS DESCRIPTIVE MODELING OF SURVEYOR BIAS IN GLO SOIL RATINGS FOR POLK COUNTY, IOWA, Iowa Geographic Information Council conference, Waterloo Falls, Iowa.
- Anderson, Paul F. 2007. GIS SITE SUITABILITY MODELING TO IDENTIFY POTENTIAL CORN STOVER COLLECTION SITES IN NORTHERN IOWA, Bioenergy Symposium, Iowa Office for Biorenewables Programs, Ames, Iowa.
- Anderson, Paul F. 2007. GEOGRAPHIC FACTORS INFLUENCING BIOREFINERY LOCATION, Community Futures 2007: The Small Town in the Bioeconomy conference, Ames, Iowa.
- Anderson, Paul F. 2007. AESTHETICS AND THE LANDSCAPE, Community Futures 2007: The Small Town in the Bioeconomy Conference, Ames, Iowa.
- Anderson, Paul F. 2007. GIS EDUCATION AT IOWA STATE UNIVERSITY, GIS Symposium, Writtle College, University of Essex, Chelmsford, England.
- Anderson, Paul F. 2007. LEARNING GIS TOOLS FOR LANDSCAPE ARCHITECTURE, GIS Symposium, Writtle College, University of Essex, Chelmsford, England.
- Anderson, Paul F. 2006. GEOGRAPHIC FACTORS INFLUENCING BIOREFINERY LOCATION, Bioeconomy Issues Agricultural Systems Initiative Symposium, Ames, Iowa.
- Anderson, Paul F. 2003. GIS SITE SUITABILITY MODELING FOR SAND AND GRAVEL EXTRACTION, Iowa Geographic Information Council conference, Ames, Iowa.
- Anderson, Paul F. 2001. GIS DESCRIPTIVE MODELING OF AGRICULTURAL SUITABILITY, Iowa Geographic Information Council conference, Iowa City, Iowa.
- Anderson, Paul F. 2001. LANDSCAPES FOR LEARNING, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 2000. GIS MODELING FOR MANAGEMENT OF LOESS HILLS RESOURCES, Iowa State University Extension Service Conference, Ames, Iowa.
- Anderson, Paul F. 2000. GIS SUITABILITY MODELING WITH MODELBUILDER, American Society of Landscape Architects, Iowa Chapter, Ames, Iowa.
- Anderson, Paul F. 1999. MAKING LANDSCAPES SUSTAINABLE, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 1998. GIS HISTORIC VEGETATION OF IOWA 1832-1859, annual meeting of the Association for Preservation Technology international annual conference, Learning from Landmarks: Analysis, Philosophy, Technology, Landscapes, Williamsburg, Virginia.
- Anderson, Paul F. 1996. GIS MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT IN DALLAS COUNTY, IOWA. Council of Educators in Landscape Architecture Annual Meeting, Spokane, Washington.
- Anderson, Paul F. and Michael C. Miller. 1996. GIS DESCRIPTIVE MODELING OF HISTORIC VEGETATION FROM GLO TOWNSHIP PLAT MAPS. Council of Educators in Landscape Architecture Annual Meeting, Spokane, Washington.
- Anderson, Paul F. 1996. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GOVERNMENT LAND OFFICE TOWNSHIP PLAT MAPS. Mid-America GIS Symposium, Kansas City.
- Anderson, Paul F. 1995. GIS PREDICTIVE MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT IN DALLAS COUNTY, IOWA. International Association of Landscape Ecology Annual Symposium, Minneapolis Minnesota.
- Anderson, Paul F. and Michael C. Miller. 1995. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GENERAL LAND OFFICE TOWNSHIP PLAT MAPS. International Association of Landscape Ecology Annual Symposium, Minneapolis Minnesota.
- Anderson, Paul F. 1995. GIS DESCRIPTIVE MODELING OF HISTORIC VEGETATION IN IOWA FROM GLO TOWNSHIP PLAT MAPS. Iowa Geographic Information Council, Iowa City.

- Anderson, Paul F. 1990. RACCOON RIVER GREENBELT GIS DEVELOPMENT. Mid-America GIS Symposium, Kansas City.
- Anderson, Paul F. 1990. IOWA SOIL MAP DIGITIZING FOR GIS DATABASES. Mid-America GIS Symposium, Kansas City.
- Anderson, Paul F. 1989. IOWA TOURISM VIDEO DATABASE SYSTEM. Council of Educators in Landscape Architecture, Denver.
- Anderson, Paul F. 1988. DIGITAL SOILS AND LAND USE DATA IN A GEOGRAPHIC INFORMATION SYSTEM FOR RURAL LAND USE PLANNING. American Society of Agricultural Engineers International Meeting, Rapid City, paper 88-2023.
- Anderson, Paul F. 1986. DYNAMIC LANDSCAPE SIMULATION TECHNIQUES FOR THE US FOREST SERVICE. American Society of Landscape Architecture Annual Meeting, Baltimore.
- Anderson, Paul F. 1984. FROM BACH TO BAUHAUS: MUSIC AS AN AID TO LANDSCAPE DESIGN. Council of Educators in Landscape Architecture, Champaign.
- Anderson, Paul F. 1983. DYNAMIC INTERNATIONAL PRACTICE IN LANDSCAPE ARCHITECTURE. American Society of Landscape Architecture Annual Meeting, Denver.

REVIEWS

2003. Book review of *Human Ecology: Following Nature's Lead*, by Frederick Steiner. CELA Forum on Education
1998. Journal article manuscript on wetland landscape ecology, University of Minnesota
1996. Journal article manuscript on digitizing remotely-sensed GIS data, Journal of Photogrammetric Engineering and Remote Sensing
1988. Tenure package, Department of Landscape Design, University of Minnesota, St. Cloud
1987. Textbook prospectus and manuscript on site planning, ISU Press
1986. Tenure package, Department of Landscape Architecture, University of California, Davis
1984. Landscape Architecture Technical Information Service (LATIS) manuscript on computer applications in landscape architecture, American Society of Landscape Architects
1983. Textbook manuscript on site planning, ISU Press

GRADUATE RESEARCH DIRECTED

- Martin, William. 2005. KITCHEN GARDENING AND EDIBLE LANDSCAPES: THE THEORY AND PRACTICE OF HOUSEHOLD COMMITMENTS TO LOCAL FOOD SYSTEMS AS SEEN FROM CENTRAL IOWA. MLA thesis.
- Hsieh, Strauss. 2004. RIVERPOINT WEST BROWNFIELD REDEVELOPMENT PLAN, CITY OF DES MOINES, IOWA. MLA thesis.
- Slings, Luke. 2002. DEVELOPMENT OF A GIS TOOL FOR SEARCHING AND VIEWING GENERAL LAND OFFICE SURVEYORS' FIELD NOTES. MS thesis.
- Morgan, Steven. 2001. HYDROLOGIC MODELING OF OVERLAND FLOW WITHIN LITTLE BEAVER CREEK, IOWA. MLA thesis.
- Brown, Patrick. 2000. ANALYSIS OF PAST AND FUTURE GROWTH IMPACTS TO HABITAT WITHIN BOONE, HARDIN, HAMILTON, MARSHALL, STORY, AND WEBSTER COUNTIES IN IOWA USING FRAGSTATS AND AN URBAN GROWTH MODEL. MLA thesis.
- Musli, Mohd Said. 1999. GIS DESCRIPTIVE MODELING OF GENERAL LAND OFFICE VEGETATION TYPES IN HAMILTON COUNTY, IOWA. MLA thesis.
- Chen, Jane. 1998. DEVELOPMENT AND DEMONSTRATION OF A HYPERMEDIA DATABASE FOR GENERAL LAND OFFICE SURVEYORS' FIELD NOTES. MLA thesis.
- Seeger, Chris. 1997. WORLD WIDE WEB GEOGRAPHICAL INFORMATION SYSTEM: DEVELOPMENT OF A HISTORIC PHOTO DATABASE FOR SHENANDOAH NATIONAL PARK. MLA thesis.
- Magnuson, Marilyn. 1997. USE OF VISUAL ASSESSMENT SURVEYS FOR PLANNING IN AGRICULTURAL LANDSCAPES. MLA thesis.
- Li, Shuangyan. 1996. MODELING DEFINITIONS OF SCENIC BYWAY CORRIDORS USING GEOGRAPHIC INFORMATION SYSTEMS. MLA thesis.
- Miller, Michael. 1995. ANALYSIS OF HISTORIC VEGETATION PATTERNS IN IOWA USING GENERAL LAND OFFICE SURVEYS AND A GEOGRAPHIC INFORMATION SYSTEM. MLA thesis.
- Logsdon, Jeffrey. 1994. DEVELOPMENT OF AN IOWA PLANNING MODEL FOR THE STATE WETLAND AND RIPARIAN AREA PLAN. MLA thesis.
- Wanberg, David. 1992. AN ANALYSIS OF THE RESOURCE ENHANCEMENT COMMITTEES IN THE IOWA RESOURCE ENHANCEMENT AND PROTECTION (REAP) PROGRAM. MLA thesis.
- Satter, Robert. 1991. ANALYSIS OF CLEAR LAKE WATERSHED MANAGEMENT STRATEGIES USING GIS TECHNOLOGY. MLA thesis.

- Ab. Rahman, Nik. 1990. ENVIRONMENTAL CONSIDERATIONS IN A METHOD FOR HIGHWAY ROUTE SELECTION. MLA thesis.
- Crankshaw, Ned. 1989. COMPUTER-AIDED REVERSE PERSPECTIVE ANALYSIS (CARPA) FOR HISTORIC SITE DOCUMENTATION. MLA thesis.
- Kane, Kevin. 1986. INTEGRATION OF LANDSAT DATA INTO THE MSDAMP GEOGRAPHIC INFORMATION SYSTEM FOR REGIONAL RECREATION PLANNING APPLICATIONS. MLA thesis.
- Holdworth, Keith. 1985. AGRI-COMMUNITY AS A FARMLAND PRESERVATION TOOL. MLA thesis.
- Gunadi, Sugeng. 1983. APPLICATION OF THE HAND-DRAWN DATAFILE TECHNIQUE TO EAST JAVA, INDONESIA. MLA thesis.

UNIVERSITY SERVICE

- 2008-present Member, Faculty Senate Executive Board
- 2008-present Member, Faculty Senate Representative Committee
- 2008-present Member, Faculty Senate Task Force on Promotion and Tenure
- 2008-present Member, Grow Iowa Values Fund Proposal Review Committee
- 2006-2008 Member, ISU committee on Agricultural Systems Initiative
- 2006-2007 Member, New Century Farm Committee
- 2006-2007 Member, Faculty Senate Ad-Hoc Appeals Committee
- 2004-2008 Member, Faculty Senate Judiciary and Appeals Council
- 2004-2008 Member, Faculty Senate Appeals Committee
- 2004-2005 Member, Faculty Senate Ad-Hoc Appeals Committee
- 2004-present Member, Faculty Senate at-large representative for the College of Design
- 2004-present Member, GIS certificate program steering committee
- 2003-2004 Member, ISU budget planning committee
- 2002-present Vice-chair, advisory committee for the Department of Music
- 2000-2001 Member, University President Search Committee
- 1999-2001 Member, Faculty Senate Curriculum Committee
- 1997-2003 Member, GAP Advisory Committee, ISU GIS Research and Support Facility
- 1997-1998 Advisor, Iowa Lakeside Laboratory bicycle trail study committee
- 1996-1998 Advisor, Iowa Lakeside Laboratory GIS course
- 1996-1997 Member, Focus Group on University Contracts and Grants Accounting Services
- 1995-1996 Advisor and instructor, Iowa Lakeside Laboratory master plan class projects
- 1995-1997 Member, Campus Aesthetics Subcommittee, University Museums Advisory Committee
- 1994-1996 Member, Membership Committee, Phi Kappa Phi
- 1994-1996 Representative, Phi Kappa Phi, College of Design
- 1994-1996 Member, Scholarship Committee, Phi Kappa Phi
- 1993-1994 Member, University Computer Advisory Committee, Fee Allocation Subcommittee
- 1993-1995 Member, University Museums Advisory Committee
- 1993-1995 Member, Phi Kappa Phi Committee on community outreach
- 1992-1994 Member, University Computer Advisory Committee, Access and Instruction Subcommittee
- 1992-1994 Chair, University Computer Advisory Committee, Access and Instruction Subcommittee
- 1991-1993 College of Design representative, Graduate studies symposium, Iowa State University
- 1991-1992 Member, University Department Executive Officers Council
- 1990-present Member, University Geographic Information Systems Steering Committee
- 1990-2004 Member, University GIS Graduate Minor Committee
- 1990-1994 Member, University Computer Advisory Committee
- 1990-1991 Member, Manager Search Committee, GIS Support and Research Facility
- 1988-1990 Chair, Graduate College Curriculum and Catalog Committee
- 1988-1989 Chair, Land Use Subcommittee of the Research Unit for Landscape Ecology, Leopold Center for Sustainable Agriculture
- 1988-1990 Member, Steering Committee for Research Unit for Landscape Ecology, Leopold Center for Sustainable Agriculture
- 1987-1990 Member, University Geographic Information Systems Strategic Planning Committee
- 1987-1990 Member, Graduate College Cabinet
- 1987-1988 Member, Loess Hills Exhibit Subcommittee, University Museums Advisory Committee
- 1986-1988 Member, Center for Agricultural Landscape Ecology
- 1983-1990 Member, Graduate College Curriculum and Catalog Committee
- 1979-1984 Member, University Remote Sensing Committee

1977-present Performer, music performances for community activities as a member of Collegiate Brass, Music Men, Oompah Meisters, Ames Municipal Band, Central Iowa Symphony, ISU Holiday Festival of Music, student recitals for music majors, Veishea, Music Department benefit concerts, ISU Madrigal Dinners, ISU Florence Symposium, ASLA Iowa Chapter/LA Department tailgate, Brunnier Gallery, Farm House, Memorial Day Service (ISU Cemetery), Reiman Gardens, ISU Purchasing Department, Leopold Center for Sustainable Agriculture, WOI Radio 50th Anniversary Concert, Order of the Knoll, Design College Convocation, Education College Convocation, ISU faculty retirements, Lied Recreation Center, Relay for Life, American Society of Engineering Educators, Agronomy Department Field Day and Picnic, Graduate College orientation, Department of Electrical and Computer Engineering banquets, Department of English, WOI Iowa Week, Living History Farms, McNider Art Museum, Iowa Lakes Art Museum, Iowa Western Community College

COLLEGE SERVICE

2008-present Chair, College of Design Faculty Senate Caucus
 2007-present Member, College of Design Liaison Council
 2007-present Member, College of Design Faculty Recognition Committee
 2006-2008 Member, College of Design Laptop program study committee
 2004-present Member, College of Design Faculty Development Council
 2004-present Member, College of Design Promotion and Tenure Committee
 2004-present Member, College of Design GIS certificate steering committee
 2004-present Member, College of Design GIS facility steering committee
 2004-2005 Member, Faculty Search Committee, Department of Community and Regional Planning
 2003-2004 Chair, Dean Review Committee, College of Design
 2003-2004 Mentor, Ivan Suen, Department of Community and Regional Planning
 2002-2004 Member, College of Design DOGE visioning group
 2001-present Member, College of Design IDRO Advisory Board
 2001-2002 Chair, Task Force on Computer and Communication Technology, College of Design
 1999-2001 Chair, Academic Affairs Council
 1999-2007 Member, Faculty Awards Review Committee, College of Design
 1999-1999 Member, Computer Advisory Committee, College of Design
 1999-2001 Advisor, national survey of alumni, College of Design
 1996-1997 Member, Research Associate Search Committee, College of Design
 1995-1996 Member, Computer Facilities Manager Search Committee, College of Design
 1995-1996 Organizer and instructor, CAD workshop for faculty, College of Design
 1994-1998 Member, Academic Advising Committee, College of Design
 1994-1995 Organizer and instructor, GIS workshop for faculty, College of Design
 1993-1995 Member, Small Towns Committee, College of Design
 1991-1995 Department presenter, new student orientation sessions, College of Design
 1991-1993 Chair, Graduate Program Coordination Committee, Department of Landscape Architecture and Department of Community and Regional Planning
 1991-1992 Member, Dean's Cabinet, College of Design
 1989-1991 Member, Mission Task Force, College of Design
 1988-1991 Chair, Computer Advisory Committee, College of Design
 1988-1989 Member, Design Studies 201x Planning Committee, College of Design
 1985-1987 Member, PhD Degree Program Study Committee, College of Design
 1984-1995 Member, Research Committee, College of Design
 1983-1984 Member, Dean Search Committee, College of Design
 1982-present Member, Graduate Programs Committee, College of Design
 1981-1982 Member, International Banner Competition Jury, College of Design

DEPARTMENT SERVICE

2007-present Chair, governance committee
 2004-2008 Member, pre-tenure and post-tenure review committee
 2003-2007 Chair, Promotion and Tenure Committee, Department of Landscape Architecture
 2003-2008 Member, advancement, promotion, and tenure committee
 2001-2007 Member, scholarship and awards committee
 2001-present Member and reviewer, applications to the BLA professional program
 2000-2004 Member, Courtesy Committee, Department of Agronomy

2000-2003 Member, Agronomy Department courtesy committee
 2000-2003 Author and data analyst, alumni survey, Department of Landscape Architecture
 2000-2001 Agronomy Department, advisor for the design and creation of the Agronomy Landscape Analysis Laboratory
 2000-2001 Agronomy Department GIS committee, helped develop strategic plan for GIS teaching and research support
 2000-2001 Mentor, Susan Herrington, Department of Landscape Architecture
 1999-present Member, ecology curriculum committee, technology curriculum committee
 1999-2000 Coordinator, Year 2000 (y2k) issues, Department of Landscape Architecture
 1997-1999 Chair, Fourth/fifth-year Studio Coordination Committee, Department of Landscape Architecture
 1997-1999 Chair, Graduate Curriculum Study Committee, Department of Landscape Architecture
 1994-2008 Member, Promotion and Tenure Review Committee, Department of Landscape Architecture
 1993-1998 Chair, Academic Advising Committee, Department of Landscape Architecture
 1992-present Presenter, grad student orientation session and LA 580 orientation session
 1992-present Member, LA/CRP joint curriculum committee
 1991-1995 Chair, Computer Advisory Committee, Department of Landscape Architecture
 1991-1992 Coordinator and primary author, national accreditation self-evaluation report, Department of Landscape
 1990-1999 Speaker, Agronomy Department Soil Science Institute
 1990-1992 Host, Malaysian student dinner, Department of Landscape Architecture
 1990-1992 Author and data analyst, alumni survey, Department of Landscape Architecture
 1989-1990 Member, Extension Specialist Search Committee, Department of Landscape Architecture
 1986-1989 Member, Third-year Studio Coordination Committee, Department of Landscape Architecture
 1986-present Member, Faculty Search Committees, Department of Landscape Architecture
 1986-1987 Chair, Curtis memorial design competition, Department of Landscape Architecture
 1985-1987 Chair, Graduate Program Review Committee, Department of Landscape Architecture
 1984-1985 Chair, Strategic Plan for Computer Integration in the Curriculum, Department of Landscape Architecture
 1983-1995 Chair, Graduate Membership Committee, Department of Landscape Architecture
 1983-1986 Faculty advisor, Student Society of Landscape Architects, Department of Landscape Architecture
 1982-present Chair, Graduate Program Committee, Department of Landscape Architecture
 1980-1994 Host, Graduate students and faculty dinner, Department of Landscape Architecture
 1980-1981 Member, Chair Search Committee, Department of Landscape Architecture
 1979-present Member, Landscape Planning Curriculum Committee, Department of Landscape Architecture
 1979-present Member, Agronomy Department teaching panel
 1979-present Member, Soil Panel, Department of Agronomy

PROFESSIONAL SERVICE

2005-2007 Advisor and member, Iowa habitat connectivity initiative advisory committee, Iowa Natural Heritage Foundation and Agrestal Foundation
 2002-2004 Member, State Scenic Preserves Criteria Committee, Iowa Natural Heritage Foundation, Iowa Department of Natural Resources, and Iowa State Preserves Advisory Board
 2001-present Advisor, On-line GIS Database, Office of the State Archaeologist, Iowa City
 1996-present Advisor, Iowa Army National Guard internship selection and research
 1996-1997 Chair, Development Committee, Iowa Chapter of the American Society of Landscape Architects
 1993-1994 Organizer and presenter, LABASH national student conference, Department of Landscape Architecture
 1992-1993 Chair, Outreach Policy Task Force, Iowa Chapter of the American Society of Landscape Architects
 1987-present Advisor, Iowa National Heritage Foundation internship selection and research
 1987-1990 Vice-chair, Land Use and Landscape Planning Committee, American Society of Landscape Architects
 1986-1987 Chair, Task force Community Action Teams (CAT), Iowa Chapter, Amer. Society of Landscape Architects
 1985-1990 Member, GIS advisory committee, Iowa Department of Natural Resources
 1985-present Member, Computer Committee, American Society of Landscape Architects
 1985-1987 Secretary, National Committee on Regional Landscape Planning, American Society of Landscape Architects
 1984-1986 Member, Ballot Committee, Iowa Chapter of the American Society of Landscape Architects
 1982-1985 Secretary, Land Use and Landscape Planning Committee, American Society of Landscape Architects
 1980-1987 Member, Committee on Computer Applications, Council of Educators in Landscape Architecture

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