

Kevin L. Kane

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Education

Ph.D. , In progress.

Higher Education, Education Leadership and Policy Studies.
[Iowa State University](#), Ames, Iowa. January 2002 to present.
[Higher Education](#)

Master of Landscape Architecture, May 1986.

Thesis topic: *Integration of Landsat Data into the MSDAMP Geographic Information System for Regional Recreation Planning Applications.*
[Iowa State University](#), Ames, Iowa. June 1983 to May 1986.
[Landscape Architecture](#)

Bachelor of Arts, Recreation Planning, July 1982.

[Iowa State University](#), Ames, Iowa. September 1977 to July 1982.
Recreation Planning

Bachelor of Science, Landscape Architecture, May 1982.

[Iowa State University](#), Ames, Iowa. September 1977 to July 1982.
[Landscape Architecture](#)

Current Responsibilities

Director, ISU Geographic Information System (GIS) Facility;

[Iowa State University GIS Support and Research Facility](#), Ames, Iowa. Major responsibilities include direction, supervision, and administration of ISU GIS Facility and Facility employees; GIS coordination within all colleges and departments at [Iowa State University \(ISU\)](#), developing internal programs to help ISU faculty, staff, administrators, and graduate students understand and use GIS; preparing and administering contracts for GIS work throughout Iowa State; managing the ISU GIS data and software libraries; providing technical assistance to ISU GIS users, coordinating and providing GIS training within ISU; providing geographic data and other information to ISU faculty, staff, administrators, and graduate students; development of high priority GIS data layers for Iowa State; keeping GIS planning efforts current; review and recommend GIS hardware and software for ISU; and other project specific task; representing ISU and the State of Iowa in the [Iowa Geographic Information Council \(IGIC\)](#) and the [MidAmerica Geographic Information Consortium \(MAGIC\)](#). (2/97 to present).

Assistant to the Director, Office of Academic Information Technologies; Assistant to the Director of [Academic Information Technologies \(AIT\)](#), AIT management team, AIT Project Management Team and facilitator. Member of the ISU [Professional & Scientific \(P&S\) Council](#), and [P&S Executive Committee](#). (2/99 to present).

Adjunct Faculty, Department of Landscape Architecture; Adjunct Associate Professor, teach [Advanced GIS Landscape Modeling](#) (LA 567x), member of the [ISU Graduate Faculty](#). (2/97 to present).

Collaborator, Department of Animal Ecology; Iowa Gap Analysis Coordinator; [Gap Analysis Program](#), [Iowa State University](#), Ames, Iowa. Major responsibilities include coordinating the mapping of existing natural vegetation in Iowa and accessing accuracy of those maps, mapping predicted distribution of native vertebrate species; mapping public land ownership and private conservation lands; providing information for local, state, and national options in managing biological resources including the NatureMapping Program; coordinating with the [National Gap Analysis Program](#). (1/2000 to present).

President, [Professional and Scientific \(P&S\) Council](#)

Lead the P&S Council in its mission to serve as a resource and as an advocate for P&S employees. The Council identifies and communicates the needs of its constituents, provides information and advice in response to those needs, and recommends to the administration policies and procedures that benefit P&S employees and assist in fulfilling the mission of the university. (7/02 to present).

Chairperson, [Iowa Geographic Information Council \(IGIC\)](#) Lead the IGIC in its mission to act as a clearinghouse for GIS information and expertise in Iowa, encourage the development of open GIS standards, facilitate the voluntary exchange of data among GIS users in Iowa, encourage the use of telecommunications networks, like the Iowa Communications Network, for exchange of ideas improve policy makers' knowledge of GIS and related technologies, and serve as a focal point for intergovernmental efforts to receive additional funds, especially federal funds, for GIS development in Iowa. The Chairperson presides at all meetings of IGIC and is responsible for the implementation of the Council's decisions and is the chief representative of the IGIC with other organizations. (7/02 to present and 7/98 to 6/99).

Past Positions

Vice President, [Professional and Scientific \(P&S\) Council](#)

With the president, lead the P&S Council in its mission to serve as a resource and as an advocate for P&S employees. The Council identifies and communicates the needs of its constituents, provides information and advice in response to those needs, and recommends to the administration policies and procedures that benefit P&S employees and assist in fulfilling the mission of the university. (7/02 to 6/02).

Past Chairperson, [Iowa Geographic Information Council \(IGIC\)](#) Lead the IGIC in its strategic planning initiatives. Serves as part of the IGIC Executive Committee implementing its mission to act as a clearinghouse for GIS information and expertise in Iowa, encourage the development of open GIS standards, facilitate the voluntary exchange of data among GIS users in Iowa, encourage the use of telecommunications networks, like the Iowa Communications Network, for exchange of ideas improve policy makers' knowledge of GIS and related technologies, and serve as a focal point for intergovernmental efforts to receive additional funds, especially federal funds, for GIS development in Iowa. (7/99 to 6/00).

**Adjunct Assistant Professor of Geography,
GIS Lab Manager,**

[Drake University](#). Major Responsibilities include teaching GIS lectures and labs for the Department of Geography and Geology; assisting in curriculum development for geotechnical series of courses; department involvement in campus-wide GIS initiatives; and working with other Drake faculty and staff to attract students and funding for the Drake GIS program. Classes taught include Geography 052 (sophomore level), Introduction to Geographic Information Systems; Geography 152 (senior level), Applications of Geographic Information Systems; and Geography 192 (senior level), Special Topics in Geography. Lab manager responsibilities include day to day management of the Drake University Geographic Information Technologies Lab including hardware and software purchasing and operations, hiring student staff for lab research and contract projects, administration of lab project contracts, writing grant proposals for lab projects, lab equipment, and program expansion. (8/93 to 5/98, promoted from instructor to adjunct assistant professor 2/96).

Geographic Information System Coordinator, [Iowa Department of Natural Resources \(DNR\)](#), Des Moines, Iowa. Major responsibilities included GIS coordination within all divisions of the DNR, with other Iowa state agencies, the federal government and other state governments, and representing the state of Iowa in the [Iowa Geographic Information Council \(IGIC\)](#) and the [National States Geographic Information Council \(NSGIC\)](#); developing internal programs to help administrators and staff understand and use GIS; preparing and administering contracts for GIS work throughout the Iowa DNR; managing the DNR GIS data and software libraries; liaison to the Iowa Legislature and citizens of Iowa regarding GIS issues; providing technical assistance to all DNR GIS users, coordinating and providing GIS training within the DNR, providing geographic data and other information to DNR staff, administrators, commissions, and legislators as required; development of high priority GIS data layers as specified in NRGIS Implementation

Plan; keeping GIS planning efforts current; review and recommend GIS hardware and software for the DNR; and other project specific tasks. (1/87 to 2/97).

Continuous Quality Improvement (CQI) Coordinator, Iowa DNR. Major responsibilities include CQI coordination throughout the DNR; facilitating and leading CQI Steering Team and project improvement teams; facilitating strategic planning and team training; and representing the DNR's quality concerns to state government and outside organizations. (1/94 to 2/97).

Assistant Instructor, Drake and Iowa State Universities. Major Responsibilities included assisting in teaching lectures and labs for Community and Regional Planning 451X, Introduction to Geographic Information Systems at Iowa State University. Developed a Geographic Information Systems Curriculum for Drake University, Department of Geography and Geology from the materials presented at Iowa State for needs specific to Drake. (1/93 to 5/93).

State Comprehensive Outdoor Recreation Planner, Iowa DNR. Major responsibilities included preparation of the 1988 Iowa State Comprehensive Outdoor Recreation Plan (SCORP) and yearly Action Plan reports for the National Park Service, conducting and coordinating all recreation-related studies and surveys, development and implementation of the Iowa Outdoor Recreation Facilities database, coordinating Land and Water Conservation Fund project review and scoring system, statewide recreation trails planning, County Conservation Board technical assistance, and liaison to the Iowa Legislature and citizens of Iowa regarding recreation issues in Iowa. (1/85 to 1/87).

Research Assistant, Land Use Analysis Laboratory, Department of Agronomy, Iowa State University (ISU), Ames, Iowa. Major responsibilities included supervision of land cover/land use database development for use in GIS, and preparation for several projects under contract at the Land Use Analysis Lab. (8/83 to 1/85).

Graduate Teaching Assistant, Department of Landscape Architecture, ISU. Major responsibilities included developing FORTRAN computer programs and other related materials for use in landscape analysis and geographic information system courses at Iowa State and research work at the Land Use Analysis Lab at ISU. (8/83 to 1/85).

Research Consultant, Iowa Inter-Agency Research Council, in cooperation with the Iowa Conservation Commission and the Iowa Department of Soil Conservation, Des Moines, Iowa. Major responsibilities included development of detailed guidelines for the preparation of county land use inventories as required by 1982 Iowa legislation; development of computerized methods for compiling and analyzing county land use inventory data; development of computerized techniques for graphic presentation of data compiled from county land use inventories. (11/82 to 7/84).

Planning Assistant, Story County Planning Department, Nevada, Iowa. Major responsibilities included supervision and compilation of the 1983 Story County Land Use Inventory and accompanying land use policy revision studies. (5/83 to 8/83).

Data Specialist, Iowa Natural Areas Inventory (INAI), The Nature Conservancy (TNC), Des Moines, Iowa. Major responsibilities included mapping and computerizing information on endangered species habitats and significant natural areas in Iowa; developing report programs for computerized database. (7/82 to 5/83).

Data Specialist (Intern), INAI, TNC. Major responsibilities included mapping managed natural areas and endangered species habitats in Iowa. (5/82 to 7/82).

Planning Aid (Intern), Iowa Conservation Commission, Des Moines, Iowa. Major responsibilities included resource inventory and analysis for Brushy Creek State Recreation Area; development of detail drawings for landscape demonstration area in Springbrook State Park. (5/82 to 7/82).

Secretary, University Recreation Services (URS), Executive Council, Iowa State University, Ames, Iowa. Responsibilities included formulating URS policy, funding and budgeting approvals, and URS judicial appeals board. (9/80 to 5/82).

Research Assistant, Department of Landscape Architecture, ISU. Responsibilities included aerial photo interpretation and classification of Iowa vegetation and landform types. (2/81 to 5/81).

Publications

Kane K. L., E. E. Klaas, K. L. Andersen, P. Brown and R. L. McNeely. (2003). The Iowa Gap Analysis Project Final Report. Iowa Cooperative Fish and Wildlife Research Unit, Iowa State University, Ames.

Kane, K.L. (2002). Iowa State Project Report, in The Gap Analysis Bulletin, Vol. 10, 2001, pp. 54.

Kane, K.L. (2001). Summary Report, Analysis of Biological Diversity Conservation in Iowa Using Geographic Information Systems and Gap Analysis, in Iowa Cooperative Fish and Wildlife Research Unit Annual Report, Vol. 66, pp. 18-19.

Kane, K.L. (2001). Summary Report, Development of Aquatic GAP Analysis for Iowa, in Iowa Cooperative Fish and Wildlife Research Unit Annual Report, Vol. 66, p. 10.

Kane, K.L. (2001). Summary Report, Development and Use of the Iowa Rivers Information System, in Iowa Cooperative Fish and Wildlife Research Unit Annual Report, Vol. 66, pp. 6-7.

Kane, K.L. (2001). Iowa State Project Report, in The Gap Analysis Bulletin, Vol. 9, 2000, pp. 59-61.

Kane, K.L. (2000). Summary Report, Analysis of Biological Diversity Conservation in Iowa Using Geographic Information Systems and Gap Analysis, in Iowa Cooperative Fish and Wildlife Research Unit Annual Report, Vol. 65, pp. 15-17.

Kane, K.L. (2000). Summary Report, Development and Use of the Iowa Rivers Information System, in Iowa Cooperative Fish and Wildlife Research Unit Annual Report, Vol. 65, p. 2.

Kaufman, G., Kane, K., et al. (2000). Partnering in Great Plains Regional GAP, in The Gap Analysis Bulletin, Vol. 9, 2000, pp. 5-7.

Kane, Kevin and Gregg Hadish, (2000). [The Iowa Geographic Image Map Server, Coordinated GIS, October 2000](#), Ames, IA.

Prairie Rivers RC&D. (1999). [Environmental Atlas of the Prairie Rivers RC&D](#). Iowa State University, Ames, IA.

Klaas, E.E. and Kane, K.L. (1998) Iowa Vegetation Cover Mapping, Project Quality Assurance Project Plan. US EPA, Kansas City, MO.

Kane, K.L. (1998). [Hydrological Systems as a Three Dimensional Surface: Toward a Predictive Spatial Model for the Aquatic/Terrestrial Transition Zone](#). Final Paper, Animal Ecology 518, Iowa State University, Ames, IA.

GIS Committee, Iowa Intergovernmental Information Technology and Telecommunications Committee. (1997). [Project 8 Action Plan: Geographic Information Systems](#). State of Iowa, Des Moines, IA.

GIS Task Force, Iowa Intergovernmental Information Technology and Telecommunications Committee. (1997). [Establishing a GIS Infrastructure for the State of Iowa](#). State of Iowa, Des Moines, IA.

Jackson, Laura Spess, et al. (1996). [The Iowa Breeding Bird Atlas](#). University of Iowa Press, Iowa City, IA.

Kane, Kevin (1996). Iowa Geographic Information Council (IGIC) Home Page. <http://www.geo.drake.edu/igic/index.htm>, Drake University, Des Moines, IA.

Kane, Kevin (1996). National States Geographic Information Council (NSGIC) Home Page. Original site. (Now at <http://www.nsgic.org/>) Drake University, Des Moines, IA.

Kane, Kevin (1996). Drake University Department of Geography and Geology Home Page. <http://www.geo.drake.edu>, Drake University, Des Moines, IA.

Iowa Department of Natural Resources, Geographic Information Section. (1995). Internet Resource of the Month. GIS World, June 1995, Fort Collins, CO.

Iowa Geographic Information Council. (1995). Memorandum of Understanding. IGIC, Des Moines, IA.

Kane, Kevin. (1995). For Your Review, IGIC's Draft Memorandum of Understanding. Coordinated GIS, February, 1995, Ames, IA.

Kane, Kevin. (1995). NSGIC Helps With Nationwide GIS Coordination. Coordinated GIS, February, 1995, Ames, IA.

Iowa Department of Natural Resources, Geographic Information Section. (1995). Public Access to State Government Information. Arc News, ESRI, Spring 1995, Redlands, CA.

Iowa Department of Natural Resources, TQM Pilot Project Team (1994). Total Quality Management Support Station Project. DNR Publication, Des Moines, IA.

Kane, Kevin L. (1993). Introduction to Geographic Information Systems Curriculum. Drake University, Des Moines, IA.

Kane, Kevin L. (1992). 1992 Mid-America GIS Survey. Mid-America GIS Consortium, Kansas City, KS.

Iowa Department of Transportation. (1992). Cooperative GIS Demonstration Project. DOT Publication, Ames, IA.

Iowa Department of Natural Resources. (1992) Natural Resources Geographic Information System Library. DNR Publication, Des Moines, IA.

Kane, Kevin L. (1991). Interfacing Geographic Information Systems with Groundwater Vulnerability Data. Iowa Groundwater Association Newsletter, Vol. 3, No. 2, p 6. June 1991. Oakdale, IA.

Kane, Kevin L. (1990). 1990 Mid-America GIS Survey. Mid-America GIS Consortium, Kansas City, KS.

Hoyer, Bernard, & Kane, K.L. (1990) Natural Resources Geographic Information System. Iowa Information Management Committee Quarterly, January 1990, p. 2.

Iowa Department of Natural Resources, Geographic Information Task Unit. (1988). Iowa DNR Geographic Information Plan, and Iowa DNR GIS Implementation Report. DNR Publication, Des Moines, IA.

Iowa Department of Natural Resources. (1988). Iowa Statewide Comprehensive Outdoor Recreation Plan. DNR Publication, Des Moines, IA.

Iowa Department of Natural Resources. (1987). Iowa Statewide Trails Plan. DNR Publication, Des Moines, IA.

Kane, Kevin L. (1986). Integration of Landsat Data into the MSDAMP Geographic Information System for Regional Recreation Planning Applications. Graduate Thesis. Iowa State University, Department of Landscape Architecture, Ames, Iowa.

Kane, Kevin L., & Anderson, P.F. (1985). Application of Landsat Data and the MSDAMP Information System to Regional Recreation Planning. In J.G. Fabos (Ed.), Proceedings of the

American Society of Landscape Architects: Landscape Planning Educational Session. Cincinnati, OH: American Society of Landscape Architects.

Teaching

Instructor (with Professor Paul Anderson), ["LA 567x, Advanced GIS Landscape Modeling"](#) (2 Credits), Iowa State University, Fall Semester 1999, 2000, 2002. Ames, IA

Guest Lecture, "Iowa Rivers Information System", Stream Ecology (AECl 518), Iowa State University, February 5, 2002.

Instructor, ["Advanced ArcView Techniques \(Spatial Modeling\), Iowa Chapter of the American Fisheries Society"](#), Ames, IA., January 6&7, 2000.

Instructor, ["Introduction to ArcView"](#), Iowa State University Short Course, Ames, IA. January 4&5, 2000, August 17 & 18, 1999, January 5&6, 1999, May 11-15, 1998, January 5-9, 1998, (2 sessions), August 18-22, 1997, (2 sessions), May 12-16, 1997

Instructor, ["Introduction to ArcView 3.0 , Iowa Chapter of the American Fisheries Society"](#), Ames, IA., December 29&30, 1998

Instructor, ["Geography 152, Applications of Geographic Information Systems"](#), (3 credits), Drake University, Spring Semester, '94, '95, '96, '97, and '98. Des Moines, IA.

Instructor, ["Introduction to ArcView 3.0 for Iowa NRCS/USDA Staff"](#), Ames, IA., February 17-20, 1998

Instructor, ["Geography 052, Introduction to Geographic Information Systems"](#), (3 credits), Drake University, Fall Semester, '93, '94, '95, '96, and '97, Des Moines, IA.

Instructor, Geography 199, Independent Study - Topics In Geography, Drake University, Fall and Spring semesters, '95, '96, and '97, Des Moines, IA.

Instructor, "Becoming a Team Leader", Iowa DNR - Parks Strategic Planning Meeting, October 1, 1996, Ames, IA.

Instructor, "Introduction to ArcView." Iowa Department of Natural Resources Training Session, ('90-'96), Des Moines, IA.

Instructor, "Introduction to PC Arc/Info" Iowa Department of Natural Resources Training Session, ('93, '94), Des Moines, IA.

Instructor, "Statistical Process Control: Are You in Control?", Iowa Excellence Forum, October 10, 1995, Des Moines, IA.

Instructor, Community and Regional Planning 451X, Introduction to Geographic Information Systems, Iowa State University, Spring Semester, 1993, Ames, IA.

Instructor, "Introduction to the EPPL7 GIS for Wildlife Applications." Iowa Department of Natural Resources Training Session, ('90-'93), Des Moines, IA.

Instructor, "Overview of Total Quality Management." Iowa Department of Natural Resources Training Session, November 9, 1992, Iowa City, IA.

Graduate Students

Graduate Committee Member:

Reungsang, Pipat. 2003. Agricultural and Biosystems Engineering.

Aluri, Rama. 2001. Master of Community and Regional Planning. Creative Component: Web based GIS and Citizen Participation.

Morgan, Steven. 2001. Master of Landscape Architecture. Thesis: Hydrologic modeling of overland flow within Little Beaver Creek watershed, Iowa.

Brown, Patrick. 2000. Master of Landscape Architecture. Thesis: Analysis of past and future urban growth impacts to habitat within Boone, Hamilton, Hardin, Marshall, Story and Webster counties in Iowa using FRAGSTATS and an urban growth model.

Mumm, Aaron J. 1999. Master of Community and Regional Planning. Creative Component: Hazard Analysis for the City of Des Moines, Iowa.

Musli, Said Mohd. 1999. Master of Landscape Architecture. Thesis: Descriptive Modeling of Historic Preservation Patterns in Hamilton County, Iowa.

Advisor:

Arbuckle, Kelly E. 2000. Master of Science in Animal Ecology, Limnology. Thesis: Statewide Assessment of Freshwater Mussels in Iowa Streams.

Clark, Steven J. 2000. Master of Science in Animal Ecology, Fisheries Biology. Thesis: Relationship of Topeka Shiner Distribution to Geographic Features of the Des Moines Lobe in Iowa.

Research Assistants:

Comondoor, Ramesh A. 2002-2003. Civil and Construction Engineering.

Reungsang, Pipat. 2003. Agricultural and Biosystems Engineering.

Elizabeth Kenaston. 2002. Community and Regional Planning

Andersen, Kathy. 1997-2002. Animal Ecology.

Aluri, Rama. 2001. Community and Regional Planning.

Bhagawati, Dwipen. 1999-2001. Civil and Construction Engineering

Reungsang, Pipat. 1998-2001. Electrical and Computer Engineering.

Brown, Patrick. 1998-2000. Landscape Architecture.

Coshland, Jennifer. 1999. Animal Ecology.

Musli, Said Mohd. 1999. Landscape Architecture.

Crawford, Irene. 1998-1999. Agricultural and Biosystems Engineering.

Mumm, Aaron J. 1998. Community and Regional Planning.

Xi, Ruifeng. 1997-1999. Civil and Construction Engineering.

Lewin-Koh, Nicholas. 1997-1999. Statistics.

Namwamba, Fulbert. 1997. Agricultural and Biosystems Engineering.

Presentations

Speaker & Moderator, "ISU GIS Day", Durham Center for Computation and Communication, Ames, IA, November 20, 2002.

Speaker, "The Iowa Aquatic Gap Analysis Program", Aquatic Planning Workshop, Ames, IA, August 27, 2002.

Speaker, "Iowa Rivers Information System", [Stream & Watershed Integrated Management Workshop](#), Guthrie Center, IA, July 9, 2002.

Speaker, "Terrestrial and Aquatic Gap Analysis", Annual CFWRU Coordinating Committee Meeting, Ames, IA, May 24, 2002.

Speaker, "Establishing an Academic GIS Service Center", MidAmerica GIS Symposium, Kansas City, MO, April 16, 2002.

Coordinator & Moderator, MidAmerica GIS Symposium, Kansas City, MO, April, 2002.

Speaker, "Serving and Securing Iowa", Iowa State Legislature, Des Moines, IA, February 25, 2002

Speaker, "GIS and Stream Ecology, the Iowa Rivers Information System", Ames, IA, Feb 5, 2002.

Poster Presentation, "Iowa Rivers Information System", 63rd Midwest Fish and Wildlife Conference, Des Moines, Iowa, December 10, 2001.

Poster Presentation, "The Iowa Gap Analysis Program", 63rd Midwest Fish and Wildlife Conference, Des Moines, Iowa, December 10, 2001.

Speaker & Moderator, "[ISU GIS Day](#)", Durham Center for Computation and Communication, Ames, IA, November 14, 2001.

Presenter, "GIS at Iowa State University", 2001 ISU Technology Fair, ISU Memorial Union, Ames, IA, Oct. 22, 2001.

Speaker, "The Iowa Gap Analysis Program", 2001 Iowa GIS Conference, Iowa City, IA, Oct. 5, 2001.

Moderator, "Web-based GIS", 2001 Iowa GIS Conference, Iowa City, IA, Oct. 4, 2001.

Speaker, "Using GIS to Develop the Iowa Rivers Information System", 2001 Iowa GIS Conference, Iowa City, IA, Oct. 4, 2001.

Moderator & Speaker, "[Iowa Gap Analysis 2001 Partners Meeting](#)", ISU Memorial Union, May 16, 2001, Ames, IA.

Speaker & Workshop Planner, "[Using GIS as a Tool for Roadside Data Collection](#)", Data Collection Technologies for Roadside Features and As-Built Surveys Workshop, Construction and Civil Engineering Department, ISU, Ames, IA, May 2, 2001.

Speaker, "[Iowa Rivers Information System](#)", Stream Reference Conditions and Landscape-Scale Bioassessment Workshop, Central Plains Center for BioAssessment, Lawrence, Kansas, April 3, 2001.

Presenter, "[IGIC Membership](#)", Iowa Geographic Information Council Quarterly meeting, Ames, Iowa (ICN), January 9, 2001.

Speaker, "[Gap Analysis Landcover Mapping](#)", ISU Animal Ecology Seminar, Ames, IA, February 18, 2000

Speaker, "[Implementing the Iowa Rivers Information System](#)", Iowa Dept. of Natural Resources, IoWater Board Meeting, Des Moines, IA, January 11, 2000.

Speaker, "[Implementing the Iowa Rivers Information System](#)", Iowa Dept. of Natural Resources, Fisheries Research meeting, Ames Forest Nursery, January 5, 2000.

Host & Moderator, "[ISU GIS Day](#)", ISU Memorial Union, Ames, IA, November 19, 1999.

Speaker, "[GIS on a Shoestring](#)", Iowa ASLA Fall Conference & National GIS Day, ISU Memorial Union, Ames, IA, November 19, 1999.

Speaker, "[Iowa Rivers Information System](#)", Iowa Dept. of Natural Resources, Fisheries Research meeting, Spirit Lake Fish Hatchery, July 15, 1999.

Speaker, "[GIS @ ISU](#)", Computation Center Seminar, Ames, IA, July 9, 1999.

Speaker, "Wetlands as Part of the Iowa Gap Analysis Program", Iowa Dept. of Agriculture Wetlands at Lunch Program, January 21, 1999, Des Moines, IA.

Speaker, "[GIS and Watershed Hydrology](#)", Environmental Science 402, Iowa State University, December 10, 1998, Ames, IA.

Speaker, "[Iowa GAP Landcover and Imagery](#)", Iowa Dept. of Transportation Briefing, November 24, 1998, Ames, IA

Moderator, "[Iowa Gap Analysis Program Annual Status Meeting](#)", ISU Memorial Union, October 27, 1998, Ames, IA.

Moderator, State GIS Coordination, [1998 MidAmerica GIS Symposium](#), University of Nebraska, May 6, 1998, Lincoln, NE.

Panelist, Natural Resources and Environmental Protection Issue Group, [1998 MidAmerica GIS Symposium](#), University of Nebraska, May 5 & 7, 1998, Lincoln, NE.

Speaker, "[Hydrological Systems as a Three Dimensional Surface: Toward a Predictive Spatial Model for the Aquatic/Terrestrial Transition Zone](#)." Final Paper, Animal Ecology 518, Iowa State University, April 28, 1998, Ames, IA.

Speaker, "[Abiotic Control of Stream Biota: Physical, Chemical, Hydrological and Spatial Factors](#)", Animal Ecology 518, Stream Ecology, Iowa State University, February 10, 1998, Ames, IA.

Speaker, "[Use of Remote Sensing Technology in the Study of Prairie Biodiversity](#)", 1997 Iowa Space Grant Consortium Conference, Drake University, October 24, 1997, Des Moines, IA.

Moderator, GIS and Natural Resources in Iowa Track, 1997 Iowa Geographic Information Conference, University of Northern Iowa, October 7, 1997, Cedar Falls, IA.

Speaker, "Use of GIS in the Iowa Gap Analysis Project", 1997 Iowa Geographic Information Conference, University of Northern Iowa, October 7, 1997, Cedar Falls, IA.

Speaker, "Using GIS as a Research Tool", Iowa State University, Department of Agronomy, Water Resources Seminar Series, September 22, 1997, Ames, IA.

Speaker, "Using GIS as a Tool for Geologic Research", Iowa State University, Department of Geology Seminar Series, September 19, 1997, Ames, IA.

Speaker, "Developing a GIS Infrastructure for Natural Resource Management in Iowa", Iowa State University GIS Lecture Series, December 12, 1996, Ames, IA.

Speaker, "Environmental Applications of GIS in Iowa", GIS-based Technologies for Local Level Development Planning, Presentation to the Government of India, Ministry of Science and Technology, December 9, 1996, Ames, IA.

Moderator, "What is GIS" and "Getting Started with GIS" sessions, 1996 Iowa Geographic Information Conference, October 8, 1996, Ames, IA

Speaker, "GIS and the Internet", National States Geographic Information Council Annual Conference, September 15, 1996, Tucson, AZ.

Speaker, "Geographic Information Systems and the Environment", Iowa Environmental Council Annual Meeting, September 7, 1996, Des Moines, IA.

Speaker, "State of Iowa Training Resources on the Internet", Governor's Department Head Staff Meeting, July 10, 1996, Des Moines, IA

Speaker, "State of Iowa Training Resources on the Internet", State of Iowa Alternative Training Committee, April 8, 1996, Des Moines, IA

Speaker, "GIS Experiences in Iowa", Iowa League of Resource Conservation and Development, April 2, 1996, Walnut, IA.

Moderator and Speaker, "Getting Started with GIS", 1995 Iowa Geographic Information Conference, November 7, 1995, Iowa City, IA

Speaker, "Continuous Quality Improvement at the Iowa Department of Natural Resources", Ohio Department of Natural Resources CQI Training Session, June 21, 1995, Columbus, OH.

Exhibitor, "Geographic Information Systems", State of Iowa Technology Fair, State of Iowa, October 11, 1993, Des Moines, IA.

Exhibitor, "GIS Applications at the Iowa Department of Natural Resources." Iowa State University GIS Fair, Iowa State University GIS Support and Research Facility, April 12, 1993, Ames, IA.

Speaker, "GIS Activities at the Iowa DNR." Transportation Video Imaging Seminar, Iowa Department of Transportation, November 5, 1992, Ames, IA.

Speaker and Panelist, "GIS Data Sharing at the Iowa DNR." ILLOWA Chapter AM/FM Meeting, ILLOWA Chapter AM/FM, September 9, 1992, Des Moines, IA.

Speaker and Panelist, "GIS in Mid-America, The Iowa Perspective." 1992 Mid-America GIS Symposium, Mid-America GIS Consortium, May 5-7, 1992, Kansas City, KS.

Speaker, "Implementation of GIS at the Iowa Department of Natural Resources." Design for Success with GIS, Iowa State University Engineering Extension, April 15, 1992, Ames, IA.

Exhibitor, "GIS Applications at the Iowa Department of Natural Resources." Iowa State University GIS Fair, Iowa State University GIS Support and Research Facility, April 14, 1992, Ames, IA.

Speaker, "Interfacing Geographic Information Systems with Groundwater Vulnerability Data." Iowa Groundwater Association Bi-Annual Meeting, Iowa Groundwater Association, April 30, 1991, Iowa City, IA.

Speaker, "Applications of GIS in Natural Resources", Iowa State University GIS Seminar, Guest Lecturer, Mar. '91, Iowa State University, Ames, IA.

Panelist, "GIS Systems, Uses, and Applications." Geographic Information Systems for Education Planning and Delivery, Iowa Department of Education and the State Library of Iowa, November 28, 1990, Des Moines, IA.

Speaker, "Cooperative GIS Efforts Between Local, State, and Federal Governments In Iowa." Arc/Info User Conference, Midwest-Great Lakes Arc/Info User Group, September 20, 1990, Kansas City, Mo.

Speaker and Panelist, "GIS/AM/FM Overview." American Public Works Association Fall Conference, Iowa Chapter APWA, August 17, 1990, Cedar Rapids, IA.

Moderator and Speaker, "GIS Activities at State and Local Levels of Government." 1990 Mid-America GIS Symposium, Mid-America GIS Consortium, May 1-4, 1990, Kansas City, KS.

Speaker, "Iowa State Trails Plan.", Spring School of Instruction, Iowa Association of Counties, March 17, 1988, Des Moines, IA.

Grants & Contracts

Awarded:

Kane, K., and Brown, P. 2003. Iowa Lakeside Lab, Summer GIS Course (taught by Patrick Brown), \$5,500.

Iowa Cooperative Fish and Wildlife Research Unit, 1999-2003. Iowa Rivers Information System. Iowa Department of Natural Resources. \$150,000.

Kane, K. 2002. Iowa Prairie Passage, Iowa DOT / Landscape Architecture, \$5,000

Kane, K. 2002. Iowa DNR, Web delivery of Iowa State-wide color infra-red photography, \$60,000

Kane, K., and Miller, M. 2002. [GeoSpatial Technologies Learning Laboratory](#). [Iowa State Computation Advisory Committee](#). \$48,000.

Kane, K. 2002. Iowa Geographic Information Council, GIS RA & Web Administrator, \$8,000

Kane, K., and Brown, P. 2002. Iowa Lakeside Lab, Summer GIS Course (taught by Patrick Brown), \$5,500.

Kane, K., and Pierce, P. 2002. Aquatic Gap Analysis in Iowa. [National Gap Analysis Program](#). \$102,000.

Kane, K., and Brown, P. 2002. Iowa Natural Areas Inventory, Internet Website & Database Mapping. \$24,000.

Kane, K., and Pierce, P. 2001. Aquatic Gap Analysis in Iowa. [National Gap Analysis Program](#). \$105,000.

Kane, K., and Brown, P. 2001. Iowa Archeology Internet Map Service, [Office of the Iowa State Archeologist](#), \$5,000.

Suen, I, and Kane, K. 2001. Installation of ArcIMS Server in the College of Design to Serve GIS Data and Services. [2001 ISU Computation Advisory Committee Grant](#). \$10,800.

Kane, K and Williams, P. 2001. ISU Library / GIS Facility Cooperative Undergraduate GIS Learning Facility. [2001 ISU Computation Advisory Committee Grant](#). \$8,000.

Kane, K. 2000-2001. Statewide Historic Survey Database, [State Historical Preservation Office](#), \$49,000.

Kane, K. 2000. ISU GIS Facility Hardware Improvements. President's End of Year Funding Initiative. \$45,000.

Klaas, E., and Kane, K. 1999. Regionalization and Accuracy Assessment of Iowa Gap Analysis Landcover Data. US Dept. of Environmental Protection. \$45,000.

Dept. of Animal Ecology & ISU GIS Facility, 1999. Science II GIS / Computing Lab. [1999 ISU Computation Advisory Committee Grant](#). \$65,000.

Kane, K.L. 1997-99. [Enhancement of the Natural Resources Geographic Information System Library with Spatial Soil Resource Information](#). Iowa Department of Natural Resources. \$99,000.

Klaas, E. & Kane, K, 1997-2000. Analysis of Biological Diversity Conservation in Iowa Using Geographic Information Systems and Gap Analysis. U.S. Geological Survey. \$447,900.

Kane, K.L. and the Iowa Geographic Information Council, 1997. USGS / IGIC Cooperative Agreement for GIS Coordination in Iowa. U.S. Geological Survey Competitive Grant Program. \$6,000.

Kane, K.L. and O'Brien, D., 1997. Enhancing Geographic Information Technology at Drake University. Drake Faculty Improvement Grant. \$4,000. (See Drake University Department of Geography and Geology Home Page. <http://www.geo.drake.edu>).

[GIS Task Force, Iowa Intergovernmental Information Technology and Telecommunications Committee](#). 1997. Establishing a GIS Infrastructure for the State of Iowa. General Services Administration. \$320,000.

Buising, C.M., Anderson, P.F., Henderson, L.L., Kane, K.L., and Rosburg, T.R. 1996. [Use of Remote Sensing Technology in the Study of Prairie Biodiversity](#). Iowa Space Grant Consortium. \$25,000.

O'Brien, D., Ewing, R., and Kane, K.L. 1996. Establishing A Web-based Pedagogy for the Drake

Department of Geography and Geology. Drake Faculty Improvement Grant. \$4,700. (See Drake University Department of Geography and Geology Home Page. <http://www.geo.drake.edu>).

Proposed, in evaluation:

Proposed, not funded:

Kane, K. L., Schuman, W., and Lantermans, M. 2000. Iowa Geographic Image Map Server. [State of Iowa Return on Investment Grant](#). \$150,000.

Jungst, S., Kane, K. 2001. Expanding Global Positioning Systems and Geographic Information System Education for Iowa State University Students. [2001 ISU Computation Advisory Committee Grant](#). \$56,065.

Kaufman, G., Kane, K., et. al. 2001. Accuracy Assessment of Iowa Gap Analysis Landcover Data. [National Gap Analysis Program](#). \$35,000.

Kaufman, G., Kane, K., et.al. 2001. Regionalization of Great Plains Gap Analysis Effort. [National Gap Analysis Program](#). \$427,000.

Kane, K. 2001. ISU GIS Facility Hardware Improvements. President's End of Year Funding Initiative. \$65,000.

Kane, K. L. and Hadish, G. 2000. Iowa Geographic Image Map Server. [Federal Geographic Data Infrastructure, NSDI Cooperative Agreements Program](#). \$115,000.

Buising, C.M., DeAlba, L.M., Henderson, L.L., Kane, K.L., and Rosburg, T.R. 1996. Prairie Biodiversity: A Molecular, Ecologic and Geographic Approach. National Science Foundation. \$613,335

Conferences & Symposia

President's Forums on Diversity, Spring 2003, Ames, IA.

Aquatic Conservation Planning Workshop, August 27, 2002, Ames, IA.

2002 [Frye Leadership Institute](#), June 2002, Emory University, Atlanta, GA.

[MidAmerica GIS Symposium](#), April, 2002, Kansas City, MO.

[2001 Iowa GIS Conference](#), October 3-5, 2001, Iowa City, IA.

[2001 National Gap Analysis Annual Conference](#), June, 17-21, 2001, Brookings, SD.

Development, Implementation and Future of the National Spatial Reference System, Society of Land Surveyors of Iowa, January 19, 2001, Ames, IA.

[2001 Iowa Chapter American Fisheries Society](#), January 16-18, 2001, Ames, IA.

[2000 National Gap Analysis Annual Conference](#), August 2-6, 2000, San Antonio, TX.

[2000 ESRI International User Conference](#), June 26-30, 2000, San Diego, CA.

[2000 MidAmerica GIS Symposium](#), May, 2000, Osage Beach, MO.

[1999 National Gap Analysis Annual Conference](#), August 2-6, 1999, Duluth, MI.

[1999 Iowa GIS Conference](#), July 31, 1999, Storm Lake, IA.

[1999 ESRI International User Conference](#), July 26-30, 1999, San Diego, CA..

[MidAmerica Gap Analysis Regional Conference](#), April 26&27, 1999, Ames, IA.

"[Implementing the Aquatic Component of Gap Analysis in Riverine Environments](#)", The National Gap Analysis Program, March 8-10, 1999, Columbia, MO.

[1998 ESRI International User Conference](#), July 27-31, 1998, San Diego, CA.

[1998 National Gap Analysis Annual Conference](#), July 20-24, Santa Barbara, CA.

[1998 MidAmerica GIS Symposium](#), May, 1998, Lincoln, NE.

1997 Iowa GIS Conference, November, 1997, Cedar Falls, IA.

[1997 National Gap Analysis Annual Conference](#), August 4-8 Reston, VA.

[1997 ESRI International User Conference](#), July 8-11, 1997, San Diego, CA.

[NSGIC Planning Conference](#), January, 1997, Salt Lake City, UT.

1996 Iowa GIS Conference, October 5&6, 1996, Ames, IA.

[1996 MidAmerica GIS Symposium](#), May, 1996, Kansas City, MO.

[1996 National States Geographic Information Council Conference](#), September 14-18, 1996, Tucson, AZ.

1995 Iowa GIS Conference, October, 1995, Iowa City, IA.

[1995 National States Geographic Information Council Conference](#), September, 1995, Burlington, VT.

[1994 MidAmerica GIS Symposium](#), May, 1994, Kansas City, MO.

[1994 National States Geographic Information Council Conference](#), October, 1994, Jackson Hole, WY.

[1993 National States Geographic Information Council Conference](#), September, 1993, Williamsburg, VA.

[1992 MidAmerica GIS Symposium](#), May, 1992, Overland Park, KS.

[1992 National States Geographic Information Council Conference](#), September, 1992, Santa Fe, NM.

[1990 MidAmerica GIS Symposium](#), May, 1990, Overland Park, KS..

Committee Appointments & Memberships

Current

- ISU [Professional & Scientific \(P&S\) Council](#), President ('03-'04)
- ISU P&S Classification and Review Committee ('03-04)
- ISU Faculty Senate, Ex-Officio ('03-'04)
- Chair, Iowa Geographic Information Council ('02-'03)
- GIS Lab Manager Search Committee Chair, NREM
- ISU Dept. of Landscape Architecture Governance Committee ('02-present)
- ISU [Professional & Scientific \(P&S\) Council](#), ('01-present)
- ISU [P&S Executive Committee](#) ('01-present)
- Mid-America GIS Consortium, Board ('01-present)
- AIT Project Review Team ('01-present)
- AIT Project Management Facilitation ('99-present)
- AIT Management Group ('99-present)
- Iowa Geographic Information Council, Remote Sensing Committee ('00-present)
- ISU GIS Curriculum Committee ('99-present)
- Iowa Geographic Information Council, Board Member ('94-present)

Past

- ISU [Professional & Scientific \(P&S\) Council](#), Vice President ('02-'03)
- ISU CIO Search Committee ('02)
- 2002 Mid-America GIS Symposium Planning Committee ('00- '02)
- ISU P&S Council, Representation and Awards Committee, Chair ('01-'02)
- ISU P&S Council, Elections Subcommittee, Chair ('01-'02)
- Past-Chair, Iowa Geographic Information Council ('99-2000)
- Community and Regional Planning Faculty Search Committee, ISU ('99)

- [GIS Task Force, Iowa Intergovernmental Information Technology and Telecommunications \(IITT\) Committee.](#) ('95-'99)
- Chairperson, Iowa Geographic Information Council ('98-'99)
- GIS Analyst Search Committee, Iowa Technology Services, ('98)
- Community and Regional Planning Faculty Search Committee, ISU ('96- '98)
- 1998 Mid-America GIS Symposium Planning Committee ('96- '98)
- Mid-America GIS Consortium, Board ('89- '98)
- Story County Natural Resources Inventory Working Group ('96- '97)
- National States Geographic Information Council, Iowa Representative ('92-'97)
- National States Geographic Information Council, Communications Committee Chair ('95-'97)
- National States Geographic Information Council, FGDC Framework Partnership Project, Communications Committee Chair ('96-'97)
- Iowa DNR GIS Technical Advisory Committee ('87-'97)
- State of Iowa GIS Coordination subcommittee, Chair ('88-'97)
- Iowa DNR GIS Users Group, Chair ('88-'97)
- Iowa Quality Government Team ('92-'97)
- State of Iowa Quality Coordinators ('94-'97)
- Iowa DNR Continuous Quality Improvement Steering Team, Coordinator ('95-'97)
- Iowa DNR Continuous Quality Improvement Process Improvement Teams, Facilitator ('95-'97)
- Iowa Soils Technical Committee, alternate ('95-'97)
- State of Iowa Alternative Training Committee ('95-'97)
- State of Iowa CQI Implementation Team ('96-'97)
- Geographic Information System Task Force of the Intergovernmental Information Technology & Telecommunications Plan, Vice-chair ('96-'97)
- Iowa Geographic Information Council Annual GIS Conference Committee ('95-'96)
- 1996 Mid-America GIS Symposium Planning Committee ('95-'96)
- Iowa DNR Network Technical Advisory Group ('93-'95)
- Iowa DNR NetReps, Leader ('94-'95)
- Iowa DNR Total Quality Management Process Improvement Team, Team Leader ('93-'94)
- Woods Quality Center, Member ('93-'94)
- 1994 Mid-America GIS Symposium Planning Committee ('93-'94)
- Iowa DNR Task Force for Workplace Diversity ('92-'93)
- Iowa DNR Safety Committee, Chair ('93)
- Iowa DNR Explorer Post Executive Officer ('92-'93)
- Iowa DNR Hiring Practices Committee ('92)
- 1992 Mid-America GIS Symposium Planning Committee (91-'92)
- Iowa State University Extension GIS Conference Planning Committee ('92)
- Iowa DNR Data Processing Planning Committee ('91)
- 1990 Mid-America GIS Symposium Planning Committee ('89-'90)
- Iowa GIS Consortium, Chair ('88-'89)
- Iowa DNR Geographic Information Task Unit ('87-'88)
- Computer Resources Information Center Coordinating Committee, US Fish & Wildlife Service ('86-'88)

Honors & Awards

Professional & Scientific Outstanding New Professional Award – 2002
 The Frye Leadership Institute, Fellow, 2002
 Gallery in the Round, Stained Glass Exhibition, Ames, 2000
 Vice President Gore's Hammer Award - National Partnership for Reinventing Government -
 IOWAccess Network Teams, 1999
 Governor's Award - IOWAccess Coordinated Geographic Information Systems, 1998
 Governor's IGIC Recognition, 1998
 Governor's STAR Award Nominee, 1995, '94
 Governor's Facilitating Excellence in Iowa State Government Award, October, 1995
 Governor's CQI Process Improvement Team Award, 1995, '94

Department of Natural Resources, Employee of the Month, August, 1993
Governor's Affirmative Action Award, Task Force for Workplace Diversity, May, 1993
Department of Natural Resources, Employee of the Month, November, 1988
American Society of Landscape Architects, Graduate Student Certificate of Merit Award, 1985-86
Phi Kappa Phi (National Academic Honor Society)
Tau Sigma Delta (National Honor Society of Design)
Gamma Sigma Delta (National Honor Society of Agriculture)
Dean's List, Iowa State University, 1982, '81, '80

Certifications & Continuing Education

Development, Implementation and Future of the National Spatial Reference System, Society of Land Surveyors of Iowa, January 19, 2001, Ames, IA.
Administrative Management Certification, Iowa Management Training System, October, 1996
Zenger Miller Certified Seminar Instructor, March, 1996
Total Quality Transformation Certified Facilitator, March, 1995
Covey Leadership Seminar - First Things First, Drake University, 1996
The World Wide Web and Pedagogy, Drake University, May, 1996
Advanced Continuous Quality Improvement Training
 Quality Leaders Quarterly, 1996, '95, and '94
 Quality Service through Partnerships, Ohio Department of Natural Resources, June, 1995
 CQI Steering Team Training, June, 1995
 CQI Project Team Training, July, 1993
Total Quality Management Curriculum, Personnel Development Seminars, 1992-96
Quality Forums, 1992-96

Recent Community Service

Youth Advisory Committee, [UU Fellowship of Ames](#), 2003
Board of Directors, [UU Fellowship of Ames](#), 2001-2003
Faculty Sponsor, [CLUUES](#), ISU Student Organization, 1998 to present
Finance Committee Member, [UU Fellowship of Ames](#), 2001 to present
Treasurer & Web Developer, [Friends of Hallett's Quarry](#), 2001
Capital Campaign Treasurer, [UU Fellowship of Ames](#), 2001
Planning Committee, [Prairie Star District](#) Conference, 2001
Girls Softball Coach, Webster City Midget League, 2000 & 2001
Ames High Prairie Restoration, 1998 - 2001
Herman Quirnbach for State Senate, Campaign Committee, 2001

Online Resume at:

<http://www.public.iastate.edu/~kkane/resume.pdf>