

**CURRICULUM VITAE
CHRISTOPHER LEE FULCHER**

CONTACT INFORMATION

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EDUCATION

2005	Post Doctoral Fellowship	National Library of Medicine	University of Missouri-Columbia
1996	Ph.D.	Agricultural Economics	University of Missouri-Columbia
1985	M.S.	Agricultural Economics	Texas A&M University
1984	B.S.	Agricultural Engineering	Texas A&M University

ACADEMIC EMPLOYMENT AND PROFESSIONAL HISTORY

Overview:	University of Missouri - Columbia (MU); National Library of Medicine; AmeriCorps; Peace Corps
05.1999 – Present	Co-Director, Center for Applied Research and Environmental Systems (CARES)
07.2007 – Present	Research Assistant Professor, Division of Applied Social Sciences, MU
01.2005 – 04.2008	Director, Community Information Resource Center (CIRC), MU
05.2003 – 06.2005	National Library of Medicine Post Doctoral Fellowship (Bio- and Health Informatics Research Training Program), Dept. of Health Management and Informatics, MU
06.2001 – 12.2003	Director, Community Information Resource Center (CIRC), MU
08.2005 – 07.2007	Research Assistant Professor, Harry S Truman School of Public Affairs, MU
08.2001 – 08.2005	Assistant Professor, Harry S Truman School of Public Affairs, MU
01.2002 – 08.2005	Joint Appointment, Assistant Professor, Dept. of Agricultural Economics, MU
01.2000 – 07.2001	Research Assistant Professor, Harry S Truman School of Public Affairs, MU
09.1997 – 07.2001	Research Assistant Professor, Dept. of Agricultural Economics, MU
10.1994 – 09.1995	AmeriCorps Member (United States Department of Agriculture), community-based decision support system for flood of '93 recovery effort, Natural Resource Conservation Service - State Office, Columbia, Missouri
03.1994 – 05.1999	Associate Director – CARES, MU
06.1990 – 09.1997	Research Associate - GIS Specialist, Agricultural Economics Department, MU
11.1987 – 06.1990	Graduate Research Assistant – Agricultural Economics Department, MU
01.1988 – 12.1988	Graduate Teaching Assistant - Writing Intensive courses, MU
10.1985 – 09.1987	Peace Corps Volunteer, Assigned to Nevis, Eastern Caribbean, Agricultural Engineer/Land Use Advisor, USAID funded Resource Management Project

GRANTS AND CONTRACTS - OVERVIEW

Funding Summary - 1992 - 2008	Funding
Extramural Funding Acquired as Principal Investigator	\$ 3,954,728
Extramural Funding Acquired as Co-Principal Investigator/Co-Investigator	\$ 5,101,031
Intramural/Other Funding Acquired as Collaborator	\$ 357,549
Total Funding Acquired	\$ 9,413,308

GRANTS AND CONTRACTS - DETAILED

Extramural Funding				
Agency	Project Name	Role	Year(s)	Funding (\$)
Trident United Way, Charleston, SC	Community Issues Management Collaborative Agreement: Year 2: Annual Maintenance plus “Advanced Level Activities and Deliverables” for Trident United Way	Principal Investigator	2007-2008	25,000
Lehigh Valley Hospital and Health Network and the Pool Trust, Allentown, Pennsylvania	A Community-Based Integrated Health and Human Services Information System (IHHSIS) For Lehigh Valley, Pennsylvania: Phase II: Old Allentown Neighborhood Data Integration and Visualization Project	Principal Investigator	2007-2008	35,000
University of North Dakota – Rural Assistance Center (subcontract to CIRC)	GIS Infrastructure Development and Technical Support for Health and Human Services Activities for the Rural Assistance Center	Principal Investigator	2007-2008	116,332
National Center for Rural Early Childhood Learning Initiatives	Early Childhood Initiative DEU Program	Principal Investigator	2007-2008	127,992
Trident United Way, Charleston, SC	Community Issues Management Collaboration for United Way for Southeastern Michigan and the United Way of Tucson and Southern Arizona	Principal Investigator	2007-2008	87,000
Lehigh Valley Hospital and Health Network and the Pool Trust, Allentown, Pennsylvania	A Community-Based Integrated Health and Human Services Information System (IHHSIS) For Lehigh Valley, Pennsylvania: Phase I: Development and Implementation of an Internet Geographic Information System	Principal Investigator	2007	46,000
National Center for Rural Early Childhood Learning Initiatives	Mapping and Spatial Analysis for the Mississippi Child Care Quality Step System (Pilot Phase)	Principal Investigator	2006-2007	12,000
Trident United Way, Charleston, SC	Knowledge Integration for Community Mobilization: A United Way Framework for addressing Efficiency, Equity, Impact and Community Sustainability	Principal Investigator	2006-2007	45,000
University of North Dakota – Rural Assistance Center (subcontract through RUPRI to CIRC)	GIS Infrastructure Development and Technical Support for Health and Human Services Activities for the Rural Assistance Center	Co-Investigator	2006-2007	72,500
HHS - Office of Rural Health Policy (subcontract through RUPRI to CIRC)	RUPRI Rural Policy Project – Community College Initiative	Co-Investigator	2006-2007	33,368

National Center for Rural Early Childhood Learning Initiatives	Rural Early Childhood Mapping Initiative – Phase IV	Principal Investigator	2006-2007	153,000
National Center for Rural Early Childhood Learning Initiatives	Rural Early Childhood Mapping Initiative – Phase III	Principal Investigator	2006	30,000
University of North Dakota – Rural Assistance Center (subcontract through RUPRI to CIRC)	GIS Infrastructure Development and Technical Support for Health and Human Services Activities for the Rural Assistance Center	Co-Investigator	2005-2006	25,263
HHS - Office of Rural Health Policy (subcontract through RUPRI to CIRC)	RUPRI Rural Policy Project – Community College Initiative	Co-Investigator	2005-2006	22,891
Rural Development Administration (RDA) of the Republic of Korea	Application of Information Technology and its Effects in Agriculture	Principal Investigator	2004-2006	26,800
National Center for Rural Early Childhood Learning Initiatives	Rural Early Childhood Atlas: Hurricane Maps	Principal Investigator	2005	5,000
National Center for Rural Early Childhood Learning Initiatives	Rural Early Childhood Mapping Initiative – Phase II	Principal Investigator	2005	86,719
Missouri Foundation for Health - Central Missouri Food Bank - Subcontract	Community Health Assessment 2004	Co-Investigator	2004-2005	16,160
National Center for Rural Early Childhood Learning Initiatives	Rural Early Childhood Mapping Initiative – Phase I	Principal Investigator	2004-2005	104,901
National Institute on Disability and Rehabilitation Research	Peerlink: Empowering Persons with Disabilities to Manage Their Own Information	Co-Principal Investigator	2002-2005	437,388
National Library of Medicine - Specialized Information Services	Internet Geographical Information Systems Consultation Support	Co-Investigator	2003-2004	12,450
Missouri Department of Transportation (MODOT)	Transportation's Role in Economic Development and Sustainability for Rural Areas in Missouri	Co-Investigator	2003-2004	157,046
Boone County Commission and Boone County Clerk's Office	Visualizing Accessibility to Polling Places Using Internet-based GIS	Principal Investigator	2002-2003	5,602
Missouri Department of Natural Resources (MDNR)	Soil Map Digitization Project FY03	Principal Investigator	2002-2003	226,850
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Principal Investigator	2002-2003	128,219
MDNR	Source Water Inventory Project (SWIP) IV	Principal Investigator	2002-2003	147,054

Missouri Department of Conservation (MDC) and MDNR	Geoeconomic Analysis of Alternative Uses of Woody Draws in Agricultural Landscapes	Co-Investigator	2001	11,046
MDNR	Soil Map Digitization Project - Phase VII	Principal Investigator	2001-2002	171,210
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Principal Investigator	2001-2002	128,219
MDNR	Source Water Inventory Project (SWIP) III	Principal Investigator	2001-2002	184,976
Cooper County Commission (Missouri)	Public Access to Assessor's Database & Geocoding of Cell Phone Locations for EMA	Principal Investigator	2001-2002	31,386
Raytheon Company	Synergy II - Remote Sensing Information Products for Local Government Applications	Co-Investigator	2001-2002	686,542
State of Iowa Information Technology Department	Iowa Floodplain Delineation Project	Co-Investigator	2001	77,000
World Resources Institute (WRI)	Development and Implementation of the Global Forest Watch (GFW) Website - Phase II	Principal Investigator	2000-2001	56,816
The University of Iowa	I-Sites: An Interactive Web-Enabled GIS and Database for Iowa Archaeology	Principal Investigator	2000-2002	15,000
Missouri Department of Natural Resources and the Missouri Department of Conservation	An Internet-based Agricultural Land Use Trends Visualization System	Principal Investigator	2000-2002	99,747
WRI	Global Forest Watch (GFW) Website - Interim Phase for Hardware Acquisition	Principal Investigator	2000-2001	10,162
MDNR	Soil Map Digitization Project - Phase VI	Principal Investigator	2000-2001	183,050
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Principal Investigator	2000-2001	128,219
MDNR	Source Water Inventory Project (SWIP) - Phase III	Principal Investigator	2000-2001	134,473
Environmental Protection Agency (EPA)	Multiple Attribute Prioritization of Missouri Watersheds	Principal Investigator	1999-2000	59,276
WRI	Development and Implementation of the Global Forest Watch (GFW) Website	Principal Investigator	1999-2000	40,649
Missouri Department of Conservation (MDC) and MDNR	Geoeconomic Analysis of Alternative Uses of Woody Draws in Agricultural Landscapes	Co-Investigator	1999-2001	59,748
MDNR	Soil Map Digitization Project - Phase V	Principal Investigator	1999-2000	174,000

MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Principal Investigator	1999-2000	128,220
MDNR	Source Water Inventory Project (SWIP) - Phase II	Principal Investigator	1999-2000	134,473
National Aeronautics and Space Administration (NASA)	University of Missouri-Columbia Commercial Remote Sensing Program	Co-Investigator	1999-2000	1,790,000
MDNR	Source Water Inventory Project (SWIP)	Principal Investigator	1998-1999	80,000
MDC and MDNR	Internet-Based Integrated Resource Management System (IRMS)	Principal investigator	1998-2001	112,703
MDNR	Missouri Inventory and Assessment Project (MOWIAP), A Water Quality Planning Tool	Principal Investigator	1999-2000	32,695
Rural Development Administration (RDA) of the Republic of Korea - National Inst. of Ag. Science and Technology	Collaborative Research Effort in Watershed Management	Principal Investigator	1996-1999	60,605
MDNR	Soil Map Digitization Project - Phase IV	Principal Investigator	1998-1999	166,000
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Principal Investigator	1998-1999	128,219
MDNR	One Stop Project - Phase I	Principal Investigator	1997-1998	75,118
United States Department of Agriculture (USDA) - Cooperative Research, Education, and Extension Service (CREES)	Agricultural Systems to Improve Water and Soil Quality on Claypan Soil Watersheds	Co-Investigator	1997-1998	350,000
MDNR	Soil Map Digitization Project - Phase III	Co-Investigator	1997-1998	126,500
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Co-investigator	1997-1998	128,219
MDNR	Evaluation and Refinement of U.S. Environmental Protection Agency's Reach Files (RF3) for Northwest Missouri - Phase II	Principal Investigator	1997-1998	100,000
MDNR	Dardenne Creek Wetlands and Watershed Demonstration Project	Principal Investigator	1997-2000	111,043
Iowa State University	Evaluation of the Impact of Current and Emerging Farming Systems on Water Quality	Co-investigator	1996-1998	35,000
MDC and MDNR	Decision Support System for Total Watershed Management	Co-Investigator	1995-1997	37,700

MDNR	Soil Map Digitization Project - Phase II	Co-Investigator	1996-1997	126,500
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Co-investigator	1996-1997	128,219
MDNR	Evaluation and Refinement of U.S. Environmental Protection Agency's Reach Files (RF3) for Northwest Missouri	Co-Investigator	1996	32,739
USDA Natural Resources Conservation Service (NRCS)	Decision Support Tools and Technical Support for Fulton NRCS Field Office of the Future	Co-investigator	1996	8,200
McKnight Foundation	Economic and Environmental Impacts of Alternative Floodplain Management Schemes for St. Charles County, Missouri	Co-Investigator	1995-1997	35,000
MDNR	Soil Map Digitization Project	Co-Investigator	1995-1996	113,933
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Co-investigator	1995-1996	128,719
Greenway Network of St. Charles (Missouri)	Assessing Non-Structural Alternatives for Floodplain Use: A Geographic Information System Approach to Community Assistance	Co-Investigator	1995	19,500
MDNR	Wellhead Protection Area Delineation - Phase I	Co-Investigator	1994	54,999
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Co-investigator	1994-1995	128,719
EPA	Data Development of Biophysical and Socioeconomic Analysis of Long Branch Watershed	Co-Investigator	1998-1999	54,000
United States Department of the Interior through the Missouri Water Resources Research Center	Efficient Development of Wetlands to Reduce Agricultural Nonpoint Source Pollution	Co-investigator	1993-1994	17,963
MDNR	Vulnerability of Missouri Drinking Water to Chemical Contamination	Co-investigator	1992-1993	128,719
EPA	Vulnerability Assessment of Missouri Drinking Water Supplies to Atrazine Contamination-Phase I	Co-investigator	1992	45,000

Intramural or Other Funding

Agency	Project Name	Role	Year(s)	Funding (\$)
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National Center for Rural Early Childhood Learning Initiatives	Creation of a comprehensive database of ECI Initiatives and programs	Collaborator – Subcontract to CIRC/CARES	2007-2008	5,000
Trident United Way, Charleston, SC	Volunteer Rating Sheet Forms Information Technology Project	Collaborator – Subcontract to CIRC/CARES	2007	5,000
Health Management and Informatics - Mr. Wilber Meyer subcontract to CIRC/CARES	Mercer Putnam Sullivan Counties Consortium MPSRHN Nursing Technology Project – Phase II	Collaborator – Subcontract to CIRC/CARES	2005-2006	4,000
Health Management and Informatics - Mr. Wilber Meyer subcontract to CIRC/CARES	Mercer Putnam Sullivan Counties Consortium MPSRHN Nursing Technology Project – Phase I	Collaborator – Subcontract to CIRC/CARES	2005	3,000
Dr. Fungai Chanetsa, Div. of Behavioral and Minority Research, Center for Health Care Quality, MU	Behavioral Risk Factor Surveillance System Visualization Project	Collaborator – Subcontract to CIRC/CARES	2004	59,276
Midwest AIDS Training and Education Center	HIV/AIDS Training and Education Spatial Analysis and Visualization System	Collaborator – Subcontract to CIRC/CARES	2003-2004	3,000
MU Space Planning and Management	MU Campus Accessibility Tracking System using PDAs and Internet GIS	Collaborator – Subcontract to CIRC/CARES	2003	5,000
World Resources Institute	Global Forest Watch Website and Interactive Map Server	Collaborator – Subcontract to CARES	2003	10,000
Dr. Charles Sampson, Harry S Truman School of Public Affairs, MU	Minority Governed Municipalities Research	Collaborator – Subcontract to CIRC/CARES	2003	10,390
Dr. Jane Mosley, Harry S Truman School of Public Affairs, MU	Spatial Statistical Analyses of Food Stamp/Food Pantry Accessibility in Kansas City and Jackson Co., MO	Collaborator – Subcontract to CIRC/CARES	2002-2003	12,500
Mid-Missouri Regional Planning Commission	GIS and Internet Mapping Project for the Mid-Missouri Regional Planning Commission	Collaborator – Subcontract to CIRC/CARES	2002-2003	4,500
Dr. Catherine Kaukinen, Bowling Green State University	Toronto HIV/AIDS Research using GIS and Spatial Statistics	Collaborator – Subcontract to CIRC/CARES	2002-2003	1,500
World Resources Institute	Global Forest Watch Website and Interactive Map Server	Collaborator – Subcontract to CARES	2002-2003	10,000

College of Agriculture, Food and Natural Resources	Information Technology Support for CAFNR Web Site	Collaborator – Subcontract to CARES	2001-2002	28,374
University of Missouri Extension	The Nutrient Management Decision Support System Project	Collaborator – Subcontract to CARES	1998	15,000
University of Missouri Agricultural Experiment Station	Development of a Model for Integrated Environmental and Economic Analyses of Ag. Watersheds	Collaborator – Subcontract to CARES	1997-1998	15,625
University of Missouri Outreach and Extension and Saline County Commission	Decision Support Assistance for Knowledge Based County Development in Saline County	Collaborator – Subcontract to CARES	1997-1999	53,979
Food and Agricultural Policy Research Institute subcontract to Missouri Department of Natural Resources	Missouri Watershed Modeling Application	Collaborator – Subcontract to CARES	1996-1997	45,000
National Inst. of Agricultural Science and Technology, Rural Development Admin., Korea and MU	Collaborative Research Effort in Watershed Management	Collaborator – Subcontract to CARES	1996-1999	60,605
University of Missouri Agricultural Experiment Station	Mapping project for Missouri Ag. Experiment Station Special Report 490 - The Status of Selected Natural Resources in Missouri	Collaborator – Subcontract to CARES	1994	5,800

TEACHING

01.2008 – 05.2008	<i>Spatial Analysis for Public Affairs</i> , Harry S Truman School of Public Affairs, MU and the Department of Rural Sociology
08.2006 – 12.2006	
08.2005 – 12.2005	
08.2003 – 12.2003	
08.2002 – 12.2002	
01.2005 – 05.2005	<i>Informatics and Local Governance</i> , Harry S Truman School of Public Affairs, MU
01.2004 – 05.2004	
01.2001 – 05.2001	
08.2006 – 12.2006	<i>Spatial Analysis for Public Affairs</i> , Harry S Truman School of Public Affairs, MU
08.2005 – 12.2005	
08.2003 – 12.2003	
08.2002 – 12.2002	
01.2003 – 05.2003	<i>Informatics in Public Policy and Administration</i> , Harry S Truman School of Public Affairs, MU (Readings course this semester)
06.2001 – 07.2001	
06.2002 – 07.2002	<i>Geographic Information Systems in Public Policy and Administration</i> , Harry S Truman School of Public Affairs, MU
08.2004 – 12.2004	<i>Research Methods and Inquiry in Public Affairs</i> , Harry S Truman School of Public Affairs, MU
01.2002 – 05.2002	
08.2001 – 12.2001	
01.2001 – 05.2001	<i>Introduction to Ecological Economics</i> (Writing Intensive with interactive on-line

01.2000 – 05.2000	learning and web-based course management software), Department of Agricultural
01.1999 – 05.1999	Economics, MU
07.2000 – 08.2000	Co-instructor, Data Visualization for <i>Decision Support Methods and Tools</i> (Ag
07.1999 – 07.1999	Econ 485 / Management 435), Department of Agricultural Economics, MU
08.1990 – 12.1990	Co-instructor, <i>Development and Management of Nat. Resources</i> (Ag Econ 386), Department of Agricultural Economics, MU

PEER REVIEWED PUBLICATIONS

Kaukinen, Catherine and Christopher Fulcher. "Mapping the Social Demography and Location Of HIV Services Across Toronto Neighbourhoods." *Health and Social Care in the Community*. 14:1 (January 2006):37-48.

Fulcher, Christopher and Catherine Kaukinen. "Mapping and Visualizing the Location of HIV Service Providers: An Exploratory Spatial Analysis of Toronto Neighborhoods." *AIDS Care*. 17:3 (April 2005):386-396.

Franken, Jason, Joe Parcell, Michael Sykuta, and Christopher Fulcher. "Grain Market Integration: Case Studies of Structural Change." *Journal of Agricultural and Resource Economics Review*. 34 (2005) 1-14.

Motavalli, Peter, John Lory, Manjula Nathan and Christopher Fulcher. "Increased Access to Soil Testing Databases through the World-Wide Web: Opportunities and Issues." *Communications in Soil Science and Plant Analysis* 33:7&8 (2002): 1157–1171.

Sugumaran, Ramanathan, Curt Davis, Jim Meyer, Tony Prato and Chris Fulcher. "Web-Based Decision Support Tool for Floodplain Management Using High-Resolution DEM." *Photogrammetric Engineering and Remote Sensing* 66:10 (2000): 1261-1265.

Prato, Tony, Chris Fulcher, Shunxiang Wu, and Jian Ma. "Multiple-Objective Decision Making for Agroecosystem Management." *Agricultural and Resource Economics Review* 25: 2 (1996): 200-212.

Prato, Tony, Yun Wang, Tim Haithcoat, Chris Barnett and Chris Fulcher. "Converting Hydric Cropland to Wetland in Missouri: A Geoeconomic Analysis." *J. of Soil and Water Cons.* 50:(1995)101-106.

Xu, Feng, Tony Prato and Chris Fulcher. "Broiler Litter Application to Land in an Agricultural Watershed: A GIS Approach." *Water Science and Technology* 28(1993):111-118.

BOOK CHAPTERS

Prato, Tony and Chris Fulcher. 1998. "Protecting Soil and Water Resources Through Multi-Objective Decision Making." *Multiple Objective Decision Making for Land, Water, and Environmental Management: Proceedings of the First International Conference on Multiple Objective Decision Support for Land, Water and Environmental Management: Concepts, Approaches and Applications*, Samir A. El-Swaify and Diana S. Yakowitz (eds). (New York: Lewis Publishers), pp. 385-394.

Prato, Tony, Chris Fulcher, and Feng Xu. 1995. "Decision Support System for Total Watershed Management." *Animal Waste and the Land-Water Interface*, Kenneth Steele (ed.) (New York: Lewis Publishers), pp. 333-342.

PROCEEDINGS, RESEARCH REPORTS AND TRADE JOURNALS

Fulcher, Christopher and Jocelyn Richgels. "New Technology Give Communities New Level of Support." Policy and Practice Magazine, American Public Human Services Association, March 2007.

Fulcher, Christopher. "Mapping the Losses: The Early Childhood Atlas." Proceedings of the Rural Early Childhood Forum on Hurricane Recovery and Emergency Preparedness, Mobile, AL, December 5, 2005.

Fulcher, Christopher and Catherine Kaukinen. "Visualizing the Infrastructure of US Healthcare Using Internet GIS: A Community Health Informatics Approach for Reducing Health Disparities". MedInfo 2004 – International Medical Informatics Association (IMIA): 11th World Congress on Medical Informatics, September 7-11, 2004.

Mosley, Jane, Catherine Kaukinen, and Christopher Fulcher. "A Spatial Analysis of the Food Safety Net: An Examination of Kansas City Food Pantry Use and Food Stamp Receipt". Proceedings: American Sociological Association 98th Annual Meeting, Atlanta, GA, August 16-19, 2003.

Fulcher, Christopher (*Invited Speaker*). "Visualizing Rural Diversity: An Overview of the RUPRI Community Informatics Resource Center." Proceedings: Economic Research Service Conference on Measuring Rural Diversity, Washington D.C., November 21-22, 2002.

Fulcher, Christopher (*Invited Speaker*). "A Web-based Environmental Decision Support System (WEDSS) for Local Government Planning." Seminar on Joint Research Project for Juam Water Quality Conservation, Chonnam National University, Gwangju, South Korea, October 23, 2002.

Fulcher, Christopher (*Invited Speaker*). "Community Informatics and E-Democracy: The Role of Place in Facilitating Public Participation." Proceedings: Korean Association of Public Administration – "Knowledge-based Society and Policy Challenges Facing the Next Government of Korea", Seoul, Korea, October 18-19, 2002.

Fulcher, Christopher (*Presenter*), Christopher Barnett and Yan Barnett. "Spatial Analysis Software Tools for Community Decision Support." Proceedings: The Center for Spatially Integrated Social Science (CSISS) Specialist Meeting on Spatial Data Analysis Software Tools, Santa Barbara, CA, May 10, 2002.

Fulcher, Christopher (*Invited Speaker*). "Internet-based Tools for Local Governance – A U.S. Perspective on the Impact of Citizen Participation in the Decision Making Process." Proceedings: Korean Association of Public Administration - "Emerging Issues in 21st Century Local Government: American Perspectives", Korea University, Seoul, Korea, December 14-15, 2001.

Fulcher, Christopher (*Presenter*) and Yan Barnett. "The Role of GIS in Participatory Action Research: Using Internet Applications for Community-based Decision Support." Proceedings: 2000 PNC Annual Conference and Joint Meetings, University of California, Berkeley and Stanford University, USA, January 11-17, 2000.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Barnett. "Economic and Environmental Impact Assessment Using WAMADSS." Proceedings: 32nd Annual Hawaii International Conference on System Sciences (HICSS-32), Maui, Hawaii, January 5-8, 1999.

Fulcher, Christopher (*Invited Speaker*). "An Internet-Based Integrated Resource Management System." Proceedings: International Conference on Decision Analysis for Farm Management and Crisis of Korean Rural Economy. Chonbuk National University, Chon-Ju, Korea, October 21-23, 1998.

Tim, Sunday, Tony Prato and Christopher Fulcher (*Co-presenter with Sunday Tim*). "Integrated Spatially Explicit Decision Support Systems for Livestock Production Planning and Environmental Protection." Proceedings: Animal Production Systems and the Environment – An International Conference on Odor, Water Quality, Nutrient Management and Socioeconomic Issues, Des Moines, IA, July 19-22, 1998.

Barnett, Yan and Christopher Fulcher. "Interactive Watershed Assessment Tool." Proceedings: Watershed Management: Moving from Theory to Implementation, Denver, CO, May 3-6, 1998.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Zhou. "Economic and Environmental Impact Assessment Using a Watershed Management Decision Support Tool." Proceedings: The 17th Annual Environmental Systems Research Institute International Users Conference, San Diego, CA, July 8-11, 1997.

Zhou, Yan and Christopher Fulcher. "A Watershed Management Tool Using SWAT and ARC/INFO." Proceedings: The 17th Annual Environmental Systems Research Institute International Users Conference, San Diego, CA, July 8-11, 1997.

Qiu, Zeyuan, Tony Prato and Christopher Fulcher. "The Impacts of Data Resolution on Simulation of Water Quality Using AGNPS." Proceedings: The 17th Annual Environmental Systems Research Institute International Users Conference, San Diego, CA, July 8-11, 1997.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Zhou. "A Watershed Management Decision Support System." Proceedings: 17th Annual Meeting of the International Association for Impact Assessment, New Orleans, LA, May 28-31, 1997.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Zhou. "Watershed Management Decision Support System." Proceedings: Watershed '96: Moving Ahead Together, Technical Conference and Exposition, Baltimore, MD, June 8-12, 1996.

Prato, Tony and Christopher Fulcher. "Protecting Soil and Water Resources Through Multi-Objective Decision Making." Research Report No. 17, Center for Agricultural, Resource and Environmental Systems, College of Agriculture, Food and Natural Resources, University of Missouri-Columbia, July 1995.

Fulcher, Christopher (*Presenter*), Tony Prato, Steven Vance, Yan Zhou, and Chris Barnett. "Flood Impact Decision Support System for St. Charles, Missouri, USA." Proceedings: The 15th Annual Environmental Systems Research Institute International User Conference, Palm Springs, CA, May 22-26, 1995.

Zhou, Yan, Lynn Heidenreich, Tony Prato, Christopher Fulcher, Steven Vance, and Chris Barnett. "Environmental Impacts of Alternative Management Strategies in Goodwater Creek Watershed, Missouri." Proceedings: The 15th Annual Environmental Systems Research Institute International User Conference, Palm Springs, CA, May 22-26, 1995.

Barnett, Christopher, Yan Zhou, Steven Vance and Christopher Fulcher. "Wellhead Protection Area Delineation for Identifying Potential Contamination Sources." The 15th Annual Environmental Systems Research Institute International User Conference, Palm Springs, CA, May 22-26, 1995.

Prato, Tony and Christopher Fulcher. "A Decision Support Systems for Integrated Management of Agricultural Watersheds with Special Reference to Wetland Development." Proceedings: International Specialised Conference on River Basin Management for Sustainable Development, Kruger National Park, South Africa, May 14-16, 1995.

Prato, Tony, Christopher Fulcher and Feng Xu. "Decision Support System for Total Watershed Management." Research Report No. 14, Center for Agricultural, Resource and Environmental Systems,

College of Agriculture, Food and Natural Resources, University of Missouri-Columbia, March 1995.

Fulcher, Christopher (*Presenter*), Tony Prato, and Yan Zhou. “Decision Support System for Enhancing Water Quality in an Agricultural Watershed.” Proceedings: Fifth Annual Water Quality Conference, Center for Water Quality, University of Missouri-Columbia, MO, February 2-3, 1995.

Fulcher, Christopher (*Presenter*), Tony Prato, Chris Barnett and Steve Vance. “The Role of Wetlands in Improving Agricultural Ecosystems: An Ecological-Economic Assessment.” Proceedings: 30th Annual Conference of American Water Resources Association, National Symposium on Water Quality, Chicago, IL, Nov. 6-10, 1994.

Prato, Tony and Christopher Fulcher. “Efficient Development of Wetlands to Reduce Agricultural Nonpoint Source Pollution in Missouri.” Report No. G-2029-02, U.S. Department of the Interior, U.S. Geological Survey, Missouri Water Resources Research Center, University of Missouri-Columbia, August 1994.

Fulcher, Christopher (*Presenter*), Christopher Barnett and Steven Vance. “Decision Support System for Enhancing Water Quality in Agricultural Landscapes.” Proceedings: The 14th Annual Environmental Systems Research Institute International User Conference, Palm Springs, CA, May 23-27, 1994.

Fulcher, Christopher (*Presenter*), Christopher Barnett and Steve Vance. “The Role of Wetlands in Improving Agricultural Ecosystems: An Ecological-Economic Assessment.” Proceedings: Fourth Annual Water Quality Conference, Center for Water Quality, University of Missouri-Columbia, MO, February 3, 1994.

Barnett, Christopher, Steven Vance and Christopher Fulcher. “Vulnerability Assessment of Missouri Drinking Water to Chemical Contamination - Analysis and Results.” Proceedings: Fourth Annual Water Quality Conference, Center for Water Quality, University of Missouri-Columbia, MO, February 3, 1994.

Prato, Tony, Christopher Barnett and Christopher Fulcher. “Converting Hydric Cropland to Wetlands in Missouri: A Geoeconomic Analysis.” Research Report No. 6, Center for Agricultural, Resource and Environmental Systems, College of Agriculture, Food and Natural Resources, University of Missouri-Columbia, March 1993.

Prato, Tony, Christopher Barnett and Christopher Fulcher. “Converting Hydric Cropland to Wetland in Missouri: A Geoeconomic Analysis.” Proceedings: Third Annual Water Quality Conference, Center for Water Quality, University of Missouri-Columbia, MO, February 4-5, 1993.

Fulcher, Christopher (*Presenter*). “Vulnerability of Missouri Drinking Water to Chemical Contamination.” Proceedings: Third Annual Water Quality Conference, Center for Water Quality, University of Missouri-Columbia, MO, February 4-5, 1993.

Xu, Feng, Tony Prato, Christopher Fulcher and Lois Lenkner. “Economics of Use Waiver Determination for the Contaminants in Phase II of the Safe Drinking Water Act.” Proceedings: Third Annual Water Quality Conference, Columbia, MO, February 4-5, 1993.

Xu, Feng, Tony Prato, Christopher Fulcher and Lois Lenkner. “Economics of Waiver Use Determination for Contaminants in Phase II of the Safe Drinking Water Act.” Research Report No. 5, Center for Agricultural, Resource and Environmental Systems, College of Agriculture, Food and Natural Resources, University of Missouri-Columbia, December 1992.

Prato, Tony, Yun Wang, Christopher Fulcher, Tim Haithcoat and Christopher Barnett. “Costs and Benefits of Wetland Restoration of Hydric Cropland in Missouri: A Preliminary Assessment.” Report No. G-2029, U.S. Department of the Interior, U.S. Geological Survey, Missouri Water Resources Center, University of Missouri-Columbia, August 1992.

Prato, Tony, Joe Vandepopuliere, Charles Fulhage, Tim Haithcoat, Xu Feng, Christopher Fulcher and Mark Jenner. “Managing Land Application of Broiler Litter to Optimize Economic Value and Water Quality.” Report No. G-1572-04, U.S. Geological Survey, U.S. Department of the Interior and Missouri Water Resources Center, University of Missouri-Columbia, August 1991.

Prato, Tony and Christopher Fulcher. “Vulnerability of Missouri Groundwater to Nitrate and Pesticide Contamination.” Research Bulletin 1066, Missouri Agricultural Experiment Station, University of Missouri-Columbia, 1990.

PRESENTATIONS AT INTERNATIONAL MEETINGS AND CONFERENCES

(This section does not include presentations at international meetings and conferences if the presentation paper is included in the proceedings; see the *Proceedings and Research Reports* section)

Fulcher, Christopher, Joyce Essien, Jeff Etchason, and Roxanne Medina. “Deliberation Technology and Community Issues Management: A Global Framework for Visualizing and Analyzing the Impact of Place-based Public Policy.” Working Group on Social Indicators WG06 - “Are Things Getting Better or Worse, and Why? The Role of Social Indicators to Inform Public Policy”, First ISA Forum of Sociology – Sociological Research and Public Debate, Barcelona, Spain, September 5-8, 2008. *Forthcoming*.

Fulcher, Christopher, Roxanne Medina-Solomon and Kathryn Englehardt-Cronk. “Understanding and Measuring What Matters: An Overview of Knowledge Integration Management (KIM) and the Collaboration that Makes it Happen.” Fifth International Community Indicators Consortium Conference, Jacksonville, Florida, March 7-9, 2007.

Fulcher, Christopher. “Bridging the Rural-Urban Differential using Internet GIS for Policy Analysis.” 44th Annual Conference of the Urban and Regional Information Systems Association (URISA), Vancouver, British Columbia, Canada, September 26-29, 2006.

Barnett, Yan and Christopher Fulcher (*Co-presenters*). “DisAbility Spin: Disability Community Connection in Missouri.” 44th Annual Conference of the Urban and Regional Information Systems Association (URISA), Vancouver, British Columbia, Canada, September 26-29, 2006.

Fulcher, Christopher, Prof. Tirso Paris, Dr. D.S. Priyarsono, and Dr. Lee Dong Phil (*Panel Discussants*). Session on “Information Technology in Agriculture and Rural Sector.” 5th Asia Pacific Agriculture Policy Forum. Cheju National University, Jeju Island, South Korea, September 13-17, 2006.

Essien, Joyce and Christopher Fulcher. “The Public Good in Information Systems and Community Processes.” Third International Community Indicators Conference, Burlington, Vermont, December 1-3, 2005.

Fulcher, Christopher (*Presenter*) and Catherine Kaukinen. “Internet Mapping as a Public Policy Tool: An Application to Health Care Provision.” 17th Biennial Conference of the Association for Canadian Studies in the United States, Portland, OR, November 19-23, 2003.

Kaukinen, Catherine (*Presenter*) and Christopher Fulcher. "Visualizing Access and Quality of HIV Service Providers: Variation Across Toronto Neighborhoods." 17th Biennial Conference of the Association for Canadian Studies in the United States, Portland, OR, November 19-23, 2003.

Fulcher, Christopher. "Local Government Informatics." Rocky Mountain Summit: Sustaining Ecosystems and their People, Whitefish, Montana, September 22-25, 2002.

Fulcher, Christopher. "The Role of Internet GIS in Public Participation: Connecting Who, What, When, Why to Where." Rocky Mountain Summit: Sustaining Ecosystems and their People, Whitefish, Montana, September 22-25, 2002.

Fulcher, Christopher. "Spatial Decision Support Systems for Local Government: The Unintended Consequences of Tightened Security on the Local Decision Making Process." 2002 International Symposium on Technology and Society (ISTAS'02), Raleigh, North Carolina, June 6-8, 2002.

Fulcher, Christopher (*Invited Speaker*). "Web-based Collaborative Research: Synthesis and Dissemination Tools for Informing Public Policy." Agriculture and Environment - International Symposium to Commemorate the 50th Anniversary of College of Agriculture, Chonnam National University, Kwangju, Korea, October 10, 2001.

Fulcher, Christopher. "Implementing Internet-based Tools for Synthesis and Dissemination of Information: Organizational Challenges and Opportunities." Seminar on the Saemangeum Tideland Reclamation Project, Chonbuk National University, Chonju, Korea, October 12, 2001.

Fulcher, Christopher (*Invited Speaker*). "The Role of Geoinformatics in Community Decision Support." IWS Internet Workshop 2001 Conference: International Workshop on Next Generation Internet and its Applications, National Center of Sciences, Tokyo, Japan, February 21-23, 2001.

Fulcher, Christopher. "A Web-Based Integrated Resource Management System (IRMS)." ISEE 2000 - People and Nature: Operationalising Ecological Economics, The Australian National University, Canberra, Australia, 5-8 July 2000.

Fulcher, Christopher. "Web-based Agricultural Land Use Trends Visualization System." AFITA 2000 - Second Asian Conference for Information Technology in Agriculture, Suwon, Korea, June 15-17, 2000.

Fulcher, Christopher (*Invited Speaker*). "An Internet-Based Integrated Resource Management System." Asia-Pacific Advanced Network (APAN) / IWS [Internet Workshop] '99 Conference: International Workshop on Advanced Multimedia Communication Network in Asia-Pacific Area, Osaka, Japan, February 18-20, 1999.

Fulcher, Christopher. "An Internet-Based Integrated Resource Management System." Rural Development Corporation, Ansan City, Kyonggi-do, Korea, October 28, 1998.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Z. Barnett. "Economic and Environmental Impact Assessment Using A Watershed Management Decision Support System." The 7th International Symposium on Society and Resource Management, Columbia, MO, May 27-31, 1998.

PRESENTATIONS AT U.S. MEETINGS AND CONFERENCES

(This section does not include presentations at U.S meetings and conferences if the presentation paper is included in the proceedings; see the *Proceedings and Research Reports* section)

Fulcher, Christopher, Joyce Essien, Jeff Etchason, and Roxanne Medina. "Community Issues Management System: A National Framework for Visualizing and Analyzing Community Health and Human Service Delivery and Outcomes." Association for Community Health Improvement 5th Annual Conference, Atlanta, Georgia, March 5-7, 2008. *Forthcoming*.

Fulcher, Christopher, Steve Katsinas and David Hardy. "One Map is Worth a 1000 Words: Using GIS Mapping System to Tell Your Story to Funders, Policy Makers and the Public." The Rural Community College Alliance (RCCA) 2007 Conference, Albuquerque, New Mexico, September 23-25, 2007.

Fulcher, Christopher (*invited speaker*). "Beyond the Technology: The Role of Internet Geographic Information Systems in Public Policy Decision Making for Higher Education Administration." 2006 National Collegiate FM Technology Conference, Columbia, Missouri, August 1-4, 2006.

Fulcher, Christopher, Cathy Grace and Elizabeth Shores (*Co-presenters*). "The Early Childhood Atlas: Using Maps for Policy Analysis and Advocacy." NAEYC (National Association for the Education of Young Children) Public Policy Forum, Washington D.C., March 15, 2006.

Fulcher, Christopher and Erin Wilson (*Co-presenters*). "Place-based Storytelling: Visualizing and Mapping your College Community." 4th Annual Rural Community College Alliance, Duluth, Minnesota, September 11-13, 2005.

Fulcher, Christopher (*invited speaker – Plenary session*), Fungai Chanetsa, Yan Barnett and Chris Barnett. "BRFSS Sampling Methodology and Vulnerable Populations: A Spatial Analytic Approach." 2004 NLM Training Conference, Indianapolis, Indiana, June 9-10, 2004.

Kaukinen, Catherine and Christopher Fulcher (*PAA Best Poster Award*). "Visualizing the Accessibility and Spatial Equity of HIV-Related Services: A Geographic Analysis of Chicago Neighborhoods." 2004 Population Association of America Annual Meeting, Boston, Massachusetts, April 1-3, 2004.

Fulcher, Christopher, Fungai Chanetsa, Yan Barnett and Chris Barnett. "Integrating BRFSS Data with Demographic and Health Service Indicators." 21st Annual Behavioral Risk Factor Surveillance System Conference, Scottsdale, Arizona, February 9-12, 2004.

Fulcher, Christopher and Catherine Kaukinen. "HIV/AIDS Community Health Information System." American Medical Informatics Association 2003 Symposium, Washington D.C., November 8-12, 2003.

Mosley, Jane, Catherine Kaukinen, Christopher Fulcher and L. Tiehen. "The Influence of Individual and Neighborhood Characteristics on the Use of Food Stamps and Food Pantries." Paper presented at the 25th Annual Association for Public Policy Analysis and Management (APPAM) Research Conference, Washington, D.C., November 6-8, 2003.

Fulcher, Christopher. "The Use of Internet Mapping in Support of Rural Public Policy and Decision Support." First Annual Conference - National Consortium of Rural Geospatial Innovations in America, Penn State, State College, Pennsylvania, October 23-25, 2003.

Fulcher, Christopher (*Invited Speaker*). "Geographic Information Systems, Decision Making in Municipal Government, and the CARES Program." 2002 Missouri Municipal League Annual Conference, St. Louis, Missouri, September 8-11, 2002.

Fulcher, Christopher (*Invited Speaker*). "How Cities, Counties, and State will Communicate with the Public: Internet Mapping Tools for Local Government." 53rd Annual Traffic & Safety Conference and Seminars, Columbia, Missouri, May 13-15, 2002.

Fulcher, Christopher (*Invited Speaker*). "Land Use Visualization." Breimyer Seminar on Land Use Conflict in Missouri, University of Missouri, Columbia, Missouri, February 6, 2001.

Fulcher, Christopher. "Informatics and Local Governance." 24th Annual Conference on Teaching Public Administration, Arizona State University, Tempe, Arizona, February 4-5, 2001.

Fulcher, Christopher (*Invited Speaker*). "The WebCT Experience at MU - One Year Later." Converging Technologies: Reaching Learners in the Digital Age, MOREnet Consortium & ET@MO TeleLearning Conference 2000, Marriott's Tan-Tar-A Resort, Osage Beach, Missouri, April 6-7, 2000.

Fulcher, Christopher (*Invited Speaker*). "Technologies for Community-Based Decision Making." Missouri Environmental Quality Conference - Global Climate Change and Agro-environmental Policies: Millennium Challenges, University of Missouri Campus - Reynolds Alumni Center, Columbia, Missouri, February 3rd, 2000.

Fulcher, Christopher. "Community Mapping: An Internet-Based Tool for Community Decision Support." 13th Annual Conference of the Public Administration Theory Network, "Multiple Perspectives, Multiple Works," Ft. Lauderdale, Florida, January 28-29, 2000.

Fulcher, Christopher (*Invited Speaker*). "Virtual Reality, Course Management, and On-Line Learning." The Knight Higher Education Collaborative/Missouri College and University Presidents Roundtable and The Committee on Technology and Instruction's 1999 Fall Conference, *Transforming Teaching and Learning Through Technology*. Tan-Tar-A Resort, Lake of the Ozarks, MO, September 14-16, 1999.

Fulcher, Christopher. "A Tale of Two Futures: Observations of How Attitudes Could Impact Access and Control of GIS and Remote Sensing Technologies." 4th Iowa GIS Users Conference: Coordinating GIS for Iowa's Future, Buena Vista University, Storm Lake, IA, July 28-30, 1999.

Fulcher, Christopher. "Livestock Decision Support System (LPRODSS)." 4th Iowa GIS Users Conference: Coordinating GIS for Iowa's Future, Buena Vista University, Storm Lake, IA, July 28-30, 1999.

Fulcher, Christopher. "Community GIS – Education and Research." 4th Iowa GIS Users Conference: Coordinating GIS for Iowa's Future, Buena Vista University, Storm Lake, IA, July 28-30, 1999.

Fulcher, Christopher. "A Tale of Two Futures: Observations of how Attitudes Could Impact Access and Control of GIS and Remote Sensing Technologies." 4th Annual Missouri GIS Conference, Jefferson City, MO, March 16-17, 1999.

Zeyuan, Qiu, Menghua Wang, Obi Duru, Jim Meyer and Christopher Fulcher (*Presenter*). "Hydrological and Water Quality Modeling of Dardenne Creek Watershed in St. Charles County, Missouri Using HSPF." 1999 Missouri Natural Resources Conference. Tan-Tar-A Resort, Lake of the Ozarks, MO, February 1-3, 1999.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Z. Barnett. "Economic and Environmental Impact Assessment Using WAMADSS." Soil and Water Conservation Society Annual Conference, San Diego, CA, July 5-9, 1998.

Fulcher, Christopher and Caryl Radatz (*Co-presenters*). "Digitized Soil Surveys and Data Applications." 1998 North Central Regional Cooperative Soil Survey Conference – "After the Once-Over," Columbia, MO, June 14-18, 1998.

Fulcher, Christopher. "An Internet-Based Decision Support System using ArcView Internet Map Server." Missouri Department of Natural Resources Division of Environmental Quality 1998 DEQ Conference, Lake of the Ozarks, MO, May 26-27, 1998.

Fulcher, Christopher and Yan Barnett (*Co-presenters*). "CARES Watershed Information Clearinghouse." 3rd Annual Missouri GIS Conference, Jefferson City, MO, March 16-17, 1998.

Fulcher, Christopher and Yan Barnett (*Co-presenters*). "CARES Watershed Information Clearinghouse." EPA Regional Wetlands and Water Quality Conference, Kansas City, MO, February 24-25, 1998.

Fulcher, Christopher and Tony Prato (*Co-presenters*). "Decision Support Systems for Land and Water Resource Management." 1998 Missouri Natural Resources Conference, Lake of the Ozarks, MO, February 18-20, 1998.

Fulcher, Christopher and Tony Prato (*Co-presenters*). "Computer Tools for Watershed Analysis." Missouri Environmental Quality Conference, Columbia, MO, February 3, 1998.

Fulcher, Christopher (*Invited Speaker*). "GIS Lessons Learned - A Management Perspective of an Applied Research Center." 2nd Annual Missouri Geographic Information System Conference, Jefferson City, MO, March 10-11, 1997.

Barnett, Christopher and Christopher Fulcher (*Co-presenters*). "Soil Survey Digitizing, Process and Application." 1997 Missouri Soil Scientist Workshop - Soil Survey of the Future, University of Missouri Forest, Williamsville, MO, Feb. 19-21, 1997.

Fulcher, Christopher (*Invited Speaker*). "Decision Support System Software and Watershed Planning." 5th Annual Nonpoint Source Pollution Management Conference, Columbia, MO, Feb. 25-27, 1997.

Fulcher, Christopher (*Invited Speaker*). "A Watershed Management Decision Support System." NRCS Workshop on Economics and GIS, Blacklands Research Center, December 18 - 19, 1996.

Fulcher, Christopher and Christopher Barnett (*Co-presenters*). "Let's Talk Digital Dirt." Missouri Association of Soil and Water Conservation Districts Focus on Conservation - 1996 Training Conference, Lake of the Ozarks, MO, Dec. 2-4, 1996.

Fulcher, Christopher (*Presenter*), Tony Prato and Yan Zhou. "Watershed Management Decision Support System." Watershed Stewardship in Missouri: Status and Opportunities - A Workshop, Columbia, MO, April 2-3, 1996.

Fulcher, Christopher. "Interactive computer demonstration of the Watershed Management Decision Support System (WAMADSS)." 9th Missouri Forest, Fish and Wildlife Conference, Lake of the Ozarks, MO, January 31 - February 2, 1996.

Fulcher, Christopher. "Applying GIS to Natural Resources." 9th Missouri Forest Fish and Wildlife Conference, Lake of the Ozarks, MO, January 31 - February 2, 1996.

Fulcher, Christopher (*Presenter*) and Steve Vance. "GIS - What is this Technology and Why Should You Care?" Computers on the Farm - Missouri Users Conference and Vendor Show, Columbia, MO, January 3-4, 1996.

Prato, Tony, Christopher Fulcher (*Presenter*) and Feng Xu. "Decision Support System for Total Watershed Management." Interdisciplinary Conference on Animal Waste Resources Association and the Land-Water Interface, Fayetteville, AK, July 16-19, 1995.

Xu, Feng, Tony Prato and Christopher Fulcher (*Presenter*). "Optimal Farm-Level Use and Value of Broiler Litter." Interdisciplinary Conference on Animal Waste Resources Association and the Land-Water Interface, Fayetteville, AK, July 16-19, 1995.

Fulcher, Christopher (*Presenter*) and Tony Prato. "Decision Support Systems for Wetlands and Floodplain Management." Missouri Workshop: Solving Landowner Problems and Improving the Protection and Restoration of Wetland and Riparian Systems through Local/State/Federal Resource Management Approaches. The Association of State Wetland Managers, Columbia, MO, February 13-14, 1995.

Fulcher, Christopher (*Presenter*), Tony Prato, and Christopher Barnett. "Enhanced Input parameter Generation for the AGNPS Model." The 1994 Mid-Central ASAE Conference, St. Joseph, MO, March 11-12, 1994.

Fulcher, Christopher (*Presenter*) and Christopher Barnett. "Vulnerability of Missouri Drinking Water to Chemical Contamination: A Spatial Analysis Approach." American Water Resources Association 29th Annual Conference and Symposium on Effluent Management, Tucson, AZ, August 29 – Sept. 2, 1993.

Fulcher, Christopher (*Invited Speaker*). "Summary Report of Atrazine Detections in North Missouri Lakes and Streams: A Source of Rising Concern for Agricultural Impacts on Drinking Water in Missouri." Conference on Agriculture and the Environment: Challenges and Opportunities, Inservice Education #25, Columbia, MO, June 8-9, 1993.

INVITED LECTURES AND PRESENTATIONS

(This section does not include invited lectures if the paper is included in the proceedings; see the *Proceedings and Research Reports* section)

Fulcher, Christopher. "Community Issues Management – A Community Convening Tool for Making More Informed Decisions." Atlanta Regional Health Forum Convening, Atlanta, Georgia, January 10, 2008.

Fulcher, Christopher. "Community Issues Management – A Community Convening Tool for Making More Informed Decisions." American Cancer Society Convening, Atlanta, Georgia, December 12, 2007.

Fulcher, Christopher, Roxanne Medina-Solomon and Chris Kerrigan. "Community Issues Management – A Community Convening Tool for Making More Informed Decisions." CIM Soft Launch Community Convening, Charleston, South Carolina, October 30, 2007.

Fulcher, Christopher. "Community Issues Management – A Community Convening Tool for Making More Informed Decisions." Medical University of South Carolina - School of Nursing Convening, Charleston, South Carolina, October 29, 2007.

Fulcher, Christopher, Roxanne Medina-Solomon and Chris Kerrigan (*Co-presenters*). "Community Issues Management – A Community Convening Tool for Making More Informed Decisions." Community presentation at the Steelcase Corporate Headquarters, Grand Rapids MI, June 5, 2007.

Fulcher, Christopher, Roxanne Medina-Solomon and Chris Kerrigan (*Co-presenters*). "Understanding and Measuring What Matters: An Overview of Community Issues Management and the Collaboration that makes it happen." Private Reception at the 2007 United Way Staff Leaders Conference, Pittsburgh, PA, May 17, 2007.

Fulcher, Christopher. "A Community-Based Integrated Health and Human Services Information System (IHHSIS) for Lehigh Valley, Pennsylvania." The Dorothy Rider Pool Health Care Trust and Lehigh Valley Hospital and Health Network, Allentown, PA, April 24, 2007.

Fulcher, Christopher. "The Rural Policy Research Institute's Community Information Resource Center (RUPRI-CIRC): An Overview of Applications." The Disparity Reducing Advances (DRA) Project April 2007 Partners Meeting, Institute for Alternative Futures, Alexandria, VA, April 11, 2007.

Fulcher, Christopher and Chris Kerrigan (*Co-presenters*). "Understanding and Measuring What Matters: An Overview of Knowledge Integration Management and the Collaboration that makes it happen." United Way Convening, San Antonio, TX, March 10, 2007.

Fulcher, Christopher. "The Rural Policy Research Institute's Community Information Resource Center (RUPRI-CIRC): An Overview of Applications." Lehigh Valley Research Consortium, The Dorothy Rider Pool Health Care Trust, and Lehigh Valley Hospital and Health Network, Allentown, PA, February 8, 2007.

Fulcher, Christopher and Jocelyn Richgels (*Co-presenters*). "The Rural Policy Research Institute's Community Information Resource Center (RUPRI-CIRC): An Overview of Applications." American Public Human Services Association, Washington, DC., January 16, 2007. APHSA

Fulcher, Christopher, Roxanne Medina-Solomon and Chris Kerrigan. "Understanding and Measuring What Matters: Trident United Way's Knowledge Integration Project." United Way of America, Alexandria, VA, December 1, 2006.

Fulcher, Christopher. "The Chain is only as Strong as its Weakest Link: The Role of the American Community Survey in Rural Public Policy Decision Making." Brookings Briefings on the Census: Better Data for Better Decisions: The Value of the American Community Survey to the Nation. Urban Markets Initiative, The Brookings Institution, Washington, DC., June 23, 2006.

Fulcher, Christopher. "Beyond Data: The Role of Soils Information in Agricultural and Environmental Decision Making." National Institute for Agricultural Science and Technology (NIAST), Suwon, South Korea, June 13, 2006.

Fulcher, Christopher. "Application of Information Technology and its Effects in Agriculture: A Report on the MU-RDA Collaborative Research Project and an Update on Research Activities at CARES." Rural Development Administration, Suwon, South Korea, June 12, 2006.

Fulcher, Christopher. "The Importance of *Where* in Understanding the *Who, What, When, Why* and *How* in Public Policy." Iowa State University Institute of Science and Society, Ames, IA, March 1, 2006.

Fulcher, Christopher. "Dynamic Mapping of Community Accessibility within an Integrated Community Resource Framework." National Institute on Disability and Rehabilitation Research, Washington DC, February 22, 2006.

Fulcher, Christopher. "Integrated GIS for Planning and Public Policy Decision Making." Midwest Transportation Consortium, Transportation Scholar Seminars Videoconference for Iowa and Missouri, February 17, 2006.

Fulcher, Christopher. "Informing Rural Public Policy: An Informatics Approach." Korea Rural Economic Institute, Seoul, South Korea, January 12, 2006.

Fulcher, Christopher. "The Role of Informatics in Municipal Government Decision Making and Community Development." Pyeongtaek City Mayor and Administration, Pyeongtaek City, South Korea, January 9, 2006.

Fulcher, Christopher. "The Use of Internet Mapping in Support of Rural Healthcare and Public Policy Development." Twenty-eighth Annual Rural Hospital Conference, Breckenridge, Colorado, May 5, 2005.

Fulcher, Christopher. "CARES Internet GIS Applications as They Relate to NLM-SIS' TOXMAP Effort." National Library of Medicine - Specialized Information Services, Washington DC, November 7, 2003.

Fulcher, Christopher. "The Role of Internet GIS in Decision Support System Development and Implementations at CARES." National Library of Medicine - Specialized Information Services, Washington, DC, August 27, 2003.

Fulcher, Christopher. "The Role of Internet-based GIS in E-Government and Citizen Participation." Jackson County eGovernment Assessment and Workshop, Kauffman Foundation, Kansas City, Missouri, May 22, 2003.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). "Accessibility of HIV/AIDS Service Providers: The Application of Spatial Analysis and Internet Mapping for Research Service Provision and Public Policy." The Clinical Epidemiology Rounds, St. Michaels Hospital - Inner City Health Research Unit (A teaching hospital affiliated with the University of Toronto), Toronto, Canada, February 27, 2003.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). "Mapping HIV Interventions in Toronto and Chicago." AIDS Committee of Toronto (ACT), Toronto, Canada, December 12, 2002.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). "Mapping HIV Interventions in Toronto and Chicago." Women's Outreach Network (ACT), Toronto, Canada, December 12, 2002.

Fulcher, Christopher. "A Community Informatics Approach to Resource Management." Rural Research Institute of Korea Agricultural & Rural Infrastructure Corporation, Ansan, S. Korea, October 22, 2002.

Fulcher, Christopher. "The Move Toward E-Government." MU Asian Affairs Center Sponsored: Public Administration and Business Management Program - Overview of U.S. Policy and Development in Different Areas (Week 7), Columbia, Missouri, October 3, 2002.

Fulcher, Christopher. “The Role of Technology in Research, Teaching, and Outreach.” MU New Faculty Orientation, Columbia, Missouri, August 19, 2002.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). “STD/HIV/AIDS Interventions across Toronto and Chicago Neighborhoods: A Spatial Analytic Approach For Public Policy.” AIDS Committee of Toronto (ACT), Toronto, Canada, June 25, 2002.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). “STD/HIV/AIDS Interventions Across Chicago Neighborhoods: A Spatial Analytic Approach For Public Policy.” Chicago Department of Public Health – Division of STD/HIV/AIDS Public Policy and Programs, Chicago, Illinois, April 25, 2002.

Fulcher, Christopher and Catherine Kaukinen (*Co-presenters*). “HIV/AIDS and Victim Interventions Across Chicago Neighborhoods: A Spatial Analytic Approach For Public Policy.” Chicago Department of Public Health – Office of Violence Prevention, Chicago, Illinois, February 19, 2002.

Fulcher, Christopher. “A Bridge over Troubled Waters: The Role of Technology in Integrating the Missions of Teaching, Research and Outreach.” Educational Technologies at Missouri Fall Speaker Series, October 24, 2001.

Fulcher, Christopher. “The Role of Informatics in Community Decision Making.” Health Management and Informatics, University of Missouri Health Management and Informatics, October 16, 2001.

Fulcher, Christopher. “Institutional Considerations and Public Policy Implications of Operationalizing an Internet-based Geographic Information System.” Korea Rural Economic Institute, Seoul, Korea, October 8, 2001.

Fulcher, Christopher. “An Internet-Based Integrated Resource Management System.” Rural Development Corporation, Ansan City, Kyonggi-do, Korea, October 28, 1998.

Fulcher, Christopher. “An Internet-Based Integrated Resource Management System.” National Agricultural Research Center, Tsukuba, Japan, October 20, 1998.

WORKSHOPS

Fulcher, Christopher, Chris Barnett and Bryan Mayhan. “Workshop on Internet Geographic Information Systems – A Framework for Making Wiser Public Choices.” Full Day Workshop at the Texas Comptroller’s Training Facility, Austin, Texas, September 18, 2007.

Fulcher, Christopher and Jocelyn Richgels. “Community Issues Management: A Community Information System for Wiser Public Choices in Poverty Alleviation.” Workshop: National Symposium on Poverty and Economic Security, Bethesda, MD, May 29 – 31, 2007.

Fulcher, Christopher and Erin Wilson. “A Dynamic Atlas of Community Knowledge: A Workshop for using Internet GIS as a Tool for Decision Support.” Workshop: Third International Community Indicators Conference, Burlington, Vermont, December 1-3, 2005.

Fulcher, Christopher. “GIS and Decision Making for Local Government Policy Makers.” Workshop: Missouri Association of Councils of Government, University of Missouri, Columbia, Missouri, October 9, 2003.

Fulcher, Christopher. "Internet GIS: Pre-Conference Short Course." Workshop: 7th Biennial MidAmerica GIS Symposium: Strengthening the Growing Geodata Community, Marriott's Tan-Tar-A Resort, Osage Beach, Missouri, May 14-18, 2000.

Fulcher, Christopher. "GIS on the Internet. Conference Workshop: 4th Iowa GIS Users Conference: Coordinating GIS for Iowa's Future, Buena Vista University, Storm Lake, IA, July 28-30. 1999.

Fulcher, Christopher, Fred Young, David Larson and Tim Neigh (*co-presenters*). "Modeling Reality with GIS: Current Practices and Future Directions." Conference Seminar: 3rd Annual Missouri GIS Conference, Jefferson City, MO, March 16-17, 1998.

SCIENTIFIC REVIEW PANELS

Centers for Disease Control and Prevention Public Health Research: Health Protection Research Initiative Investigator Initiated Research Panel. Atlanta, GA. 2004.

Environmental Protection Agency: Environmental Monitoring for Public Access and Community Tracking (EMPACT) 1999 Metro Area Grants Peer Review Panel. Washington, D.C. 1999.

PROFESSIONAL AND COMMUNITY ORGANIZATIONS

- Rotary International – Columbia South – Webmaster and Weekly Newsletter Editor
- Central Missouri Returned Peace Corps Association - Webmaster and Newsletter Editor
- Knights of Columbus

ACADEMIC HONORS, AWARDS, FELLOWSHIPS, PERSONAL HISTORY

- National Library of Medicine Post Doctoral Fellowship, Bio- and Health Informatics Research Training (BHIRT) Program, Department of Health Management and Informatics, School of Medicine, MU. May 2003 – April 2005.
- Best Poster Award, 2004 Population Association of America Annual Meeting, Boston, Massachusetts, April 1-3, 2004. Kaukinen, Catherine and Christopher Fulcher. "Visualizing the Accessibility and Spatial Equity of HIV-Related Services: A Geographic Analysis of Chicago Neighborhoods."
- Award of Recognition for developing and maintaining the Missouri Chapter of the Soil and Water Conservation Society web site. 1999 Missouri Natural Resources Conference. Tan-Tar-A Resort, Lake of the Ozarks, MO, February 1-3, 1999.
- Soil and Water Conservation Society Honorable Mention Award for "Converting Hydric Cropland to Wetland in Missouri: A Geoeconomic Analysis", *J. of Soil and Water Cons.* 50:(1995)101-106.
- Invited participant, Institute on the Economics of the Climate Resource, National Center for Atmospheric Research, Boulder, CO, June 5-7, 1995.
- Graduate Professional Council, Representative (Agricultural Economics), 1990-1991
- Graduate Student Organization, President (Agricultural Economics), 1989-1990
- Texas A&M Corps of Cadets, Class of 1983
- International experience: Traveled extensively both domestically and internationally as a "third culture kid" (military dependent). Experiences include living in Germany, England, El Salvador, and Nevis, several states in the U.S. (Arizona, California, Colorado, Louisiana, Kansas, Maryland, Missouri, Nebraska, and Texas); instilled a global world view and skills required to readily adapt to new surroundings and social situations.

PROFESSIONAL DEVELOPMENT

- The Community of the Future and the United Way (Douglas K. Smith). Small group convening with Mr. Smith to discuss book and its application to participants' projects. The United Way of America, Alexandria, Virginia, March 16-17, 2006.
- Health Informatics Applications of Geographic Information Systems (GIS): From Data Visualization to Spatial Analysis (Catherine Schenck-Yglesias, C. Virginia Lee, Carol Hanchette, Janet Heitgerd, and Vicki Hertzberg). MedInfo 2004 – International Medical Informatics Association (IMIA): 11th World Congress on Medical Informatics, San Francisco, CA, September 7-11, 2004.
- Writing for the Informatics Literature (N. K. Roderer and D. McClellan). American Medical Informatics Association 2003 Symposium, Washington D.C., November 8, 2003.
- Ethical and Social Challenges for Health Computing: Return to Fundamentals (K. W. Goodman). American Medical Informatics Association 2003 Symposium, Washington D.C., November 9, 2003.
- Does Space Matter? Analyzing and Visualizing Spatial Effects in Sociology (Richard P. Appelbaum, Luc Anselin, Geoffrey Jacquez, Donald G. Janelle, John R. Logan, Deirdre Oakley). American Sociological Association 98th Annual Meeting, Atlanta, Georgia, August 16-19, 2003
- Spatial Regression Analysis (Luc Anselin). The Inter-University Consortium for Political and Social Research, the Center for Spatially Integrated Social Science and the National Science Foundation, Ann Arbor, Michigan, August 5-9, 2002.
- Accessibility in Space and Time: A GIS Approach (Mei-Po Kwan, Alan Murray, Morton O'Kelly, Michael Tiefelsdorf). Center for Spatially Integrated Social Science and The Ohio State University (Geography), Columbus, Ohio, July 22-26, 2002.
- Spatial Data Analysis (Luc Anselin). The Inter-University Consortium for Political and Social Research, the Center for Spatially Integrated Social Science and the National Science Foundation, Santa Barbara, California, July 16-20, 2001
- Building Community Through Public Deliberation. University of Missouri Public Policy Institutes in Cooperation with the Kettering Foundation, Columbia, MO, September 8-10, 1999. Participant.
- Empowering Communities for the Future. Community Development Academy – Course 2, Mercy Center, St. Louis, MO, Fall, 1999. Participant.
- Building Communities from the Grassroots. Community Development Academy – Course 1, Mercy Center, St. Louis, MO, March 21-26, 1999. Participant.
- Implementing Issue Forums in Missouri Communities. PIE #145, UMStL, St. Louis, MO, July 27-29, 1998.

ACADEMIC SERVICE

- Task Force on Disabilities, Committee Service, 2005 - 2006.
- Geospatial Working Group, Committee Service, 2005 - 2006.
- National Library of Medicine Site Visit Planning Group member; served as NLM Fellows' representative (April 14, 2004).
- Persons with Disabilities Standing Committee for the University of Missouri – Columbia (participant – 2003, 2004).
- MU Disability Policy Working Group (2003, 2004).
- Internet2 Geospatial Working Group - Steering committee member (a consortium being led by over 190 universities working in partnership with industry and government to develop and deploy advanced network applications and technologies, accelerating the creation of tomorrow's Internet).
- Undergraduate Policy Committee, Department of Agricultural Economics, MU (2000-2001).
- Social Committee - Chair, Social Science Unit, MU (2000-2001).
- Outreach and Extension Sustainable Agriculture Base Program Committee. Appointed, Sept. 1999.
- Courses and Curricula Committee, College of Agricultural, Food and Natural Resources, MU (1999 – 2000).

- College Information and Teaching Technology Committee, College of Agricultural, Food and Natural Resources, MU (1999 – 2000).
- On-line learning collaboration with MU School of Veterinary Medicine for developing web-based course content, quizzes and class management tools (Software used: Asymetrix Toolbook II Instructor and Librarian). Collaboration initiated in fall semester, 1998; on-line software used in winter semester, 1999 for Agricultural Economics 70; used WebCT for winter semesters 2000, 2001.
- Natural Resource and Environment Committee member for the MU Social Science Unit Research and Outreach component of the CSREES Review, March 24-28, 1997.
- Master's thesis review committee for AAEEA competition, member (Agric. Economics), 1997.

DOCTORAL AND MASTERS COMMITTEES AND GRADUATE STUDENTS SUPERVISED

Student's Name	Department/School	Degree	Role	Status
Akbaba, Yasemin	Political Science	PhD	Committee Member	Graduated (2006)
Carani, David	Public Affairs	MS	Advisor/Supervisor	Graduated (2005)
Clark, Anthony	Agricultural Economics	PhD	Committee Member	Graduated (2007)
Crank, Laura	Rural Sociology	PhD	Committee Member	Graduated (2007)
Dolle, Kristopher	Public Affairs	MS	Advisor/Supervisor	Graduated (2005)
Franken, Jason	Agricultural Economics	MS	Committee Member	Graduated (2003)
Jang, Yunjeong	Public Affairs	MS	Advisor/Supervisor	Graduated (2004)
Li, Yitan	Political Science	PhD	Committee Member	Transferred to USC
Namulanda, Gonza	Health Management and Informatics	MS	Committee Member	Graduated (2005)
Parsons, Tye	Public Affairs	MS	Advisor/Supervisor	Graduated (2004)
Yee-Sook Shin	Civil and Environmental Engineering	PhD	Committee Member	Student
Sturges, Denyse	Information Science and Learning Technologies	PhD	Committee Member	Student
Woo, Byung-Joon	Agricultural Economics	PhD	Committee Member	Graduated (2005)