

Kevin B. Cary

1/2019

Geographic Information Systems/Science & Geography Program
Department of Geography and Geology
Western Kentucky University
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EDUCATION

Master of Science, Geography May 2001
Western Kentucky University, Bowling Green, Ky.
THESIS – *A Model of Precipitation Rates*

Bachelor of Science, Mathematics May 1995
Austin Peay State University, Clarksville, Tenn.
Geography Minor

PROFESSIONAL CERTIFICATION

GISP (Recertified as a GIS Professional, Cert. #50231, **expires in 2020 of February**), Feb. 2015
GIS Certification Institute (gisci.org), Des Plaines, Ill.

GISP (Recertified as a GIS Professional, Cert. #49516, expired in February 2015), Feb. 2010
GIS Certification Institute (gisci.org), Des Plaines, Ill.

GISP (Initial Certification as a GIS Professional, Cert. #50231, expired in February 2010), Feb. 2005
GIS Certification Institute (gisci.org), Des Plaines, Ill.

ACADEMIC EXPERIENCE

Current Appointments:

Instructor of GIS and GIS Director, Rank: Instructor II July 2016 – Present
Department of Geography and Geology
Western Kentucky University

ESRI Campus Site License Administrator July 2002 – Present
Department of Geography and Geology
Western Kentucky University

Kentucky Wesleyan College Nov. 2015 – Present
3000 Frederica St, Owensboro, KY 42301

Adjunct Graduate Faculty of Geoscience 2004 – Present
Department of Geography and Geology
Western Kentucky University

Past Appointments:

Instructor of GIS and GIS Director, Rank: Instructor I July 2002 – July 2016
Department of Geography and Geology
Western Kentucky University

Adjunct Instructor 1999 – 2001
Department of Arts and Sciences
Bowling Green Community College of WKU

Graduate Teaching Associate Department of Geography and Geology Western Kentucky University	1998 – 1999
Research Assistant (Graduate Assistantship) College Heights Weather Station Western Kentucky University	1997 – 1999
Research Assistant (Graduate Assistantship) Kentucky Climate Center Western Kentucky University	1997 – 1998

Courses Taught:

Geographic Information Systems (Sum05, F05, Sum07, F08, S09, Sum09, Sum10, S13)
 Geotechnologies in a Global Community (S15, S16, W17 Online, S17, W18, S18, Sum18)
 GIS for Agriculture (F12)
 GIS Analysis and Modeling (F03, F05, F06, F07, S08, S09, F09, S10, F10, S11, F11, F12, F13, F14, F15, F16, F17, F18)
 GIS Application Development (F02, S03, S04)
 GIS Databases (F17, S18)
 GIS for Engineers (S07, S09)
 Internet GIS (S07, S08, F08, S09, F09, S10, F10, S11, F11, S12, S13, F13, S14, S15, S16, F17, S18, F18)
 Introduction to GIS (F02, S03, Sum03, Sum04, F04, S05)
 Introduction to the Physical Environment (S99, F99, S00, Sum00, F00, S01, Sum01)
 Meteorology (F98 – My first class)
 Selected Topics in GIS Undergraduate and Graduate Courses: (SUM03, S04, F04, S05, F06, S06, SUM06, F06, F07, S08, F08, F10, S13, F13, F15, and S16 in Enterprise GIS, Advanced Customization with GIS Applications, Meteorology GIS, 3D GIS, Public Health GIS, Geoprofile Development, and Web Map Application Development)
 Spatial Data Analysis & Interpretation (F10, S11, Sum11, F11, S12, Sum12, F12, S13, F13, S13, S14, F14, S15, F15, S16, F16, S17, F17, S18, F18)
 Study Abroad in Western Australia and Sydney (Sum06)
 World Regional Geography (F99, S00, F00, S01, F03, S04, F04, S05, S06, F06, F07, S08, F08, F09, S10, Sum13, S14, Sum14, Sum15)
 Online World Regional Geography through WKU DELO and WKU On Demand (S12, Sum12, F12, W12, S13, Sum13, F13, W14, S14, Sum14, F14, W15, S15, Sum15, F15, W16, S16, Sum 16, F16, S17, Sum 17, F17, W18, S18, Sum18, F18)

Thesis Reviewer & Committee Member:

Present. Kipper, Chelsey. *A Geochemical Comparison of Two Telogetic Karst Springs During Reverse Flow, Mammoth Cave, Ky.* (WKU Master's Thesis)
 Present. Bentley, Matt. *Geophysical Investigation of the Mississippian Carbonates of South Central Kentucky and North Central Tennessee.* (WKU Master's Thesis)
 2018. Osborne, Cesalea. *Impacts of Land Use on the Hydrology of the Hidden River Groundwater Basin, Horse Cave, Hart County, Kentucky.* (WKU Master's Thesis)
 2018. Hampton, Tori. *A Climatology of High-Wind Events in the Eastern United States during 1973–2015 Kentucky.* (WKU Master's thesis)
 2016. Na-Yemeh, Dolly. *Synoptic Conditions and Equivalent Temperature Variations in Kentucky.* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1930> (WKU Paper 1930)
 2016. Riggie, Matthew. *A Spatial Analysis of Settlement, Availability, and Quality of Life of the Burmese Refugee Population in Bowling Green, Kentucky* (WKU Undergraduate honors thesis).

2014. Aryee, Frank *An Assessment of the GOBG Transit System in Bowling Green, Kentucky* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1344> (WKU Paper 1344)
2013. Chen, Yan. *Spatial Analysis of Fatal Automobile Crashes in Nashville, Tennessee, 2001-2011* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1300> (WKU Paper 1300)
2012. Fowler, Brandon. *Understanding Colombian Violence Through Geographic Information Systems and Statistical Approaches* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1229> (WKU Paper 1229)
2012. Blinn, Chris. *Creation of a Spatial Decision Support System as a Risk Assessment Tool Based on Kentucky Tornado Climatology* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1153> (WKU Paper 1153)
2011. Oris, Nathan. *Spatial Analysis of Fatal Automobile Crashes in Kentucky* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1119> (WKU Paper 1119)
2011. Gilliland, Joshua. *A Climatology of High-Wind Events Associated with Post-Tropical Cyclones in the United States*. (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/1074> (WKU Paper 1074)
2010. Epperson, Ann. *Internet GIS as a Historic Place-Making Tool for Mammoth Cave National Park*. (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/227> (WKU Paper 227)
2010. Hall, Jon. *Geographic Factors of Residential Burglaries A Case Study in Nashville, Tennessee* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/229> (WKU Paper 229)
2009. Brunt, Matthew. *Analysis of Mammoth Cave Pre-Park Communities*. (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/132> (WKU Paper 132)
2008. Broome, John. *Simulation Modeling of Karst Aquifer Conduit Evolution and Relations to Climate* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/36> (WKU Paper 36)
2006. Croskrey, Andrea. *Hydrogeologic Groundwater Sensitivity and Vulnerability Mapping in South-Central Kentucky* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/450> (Paper 450).
2006. Pricope, Narcisa. *Modeling Soil Erosion in the Upper Green River Basin, Kentucky* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/258> (WKU Paper 258)
2004. Medlin, Jenna. *A Spatial Analysis of the Impact of Development on Wetland Habitat in Mount Pleasant, South Carolina Policy*. (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/535> (WKU Paper 535)

Article Reviewer:

- 2017 (Oct.). Spatial statistics and Transportation article review for *Journal of Transport Geography*.
- 2016 (Sep.). Spatial statistics article review for *Journal of Transport Geography*.
- 2016 (May). Spatial statistics article review for *Journal of Transport Geography*.
- 2015 (Aug.). GIS and Stochastic mathematical model article review for *Journal of Transport Geography*.
- 2014 (Nov.). Stochastic mathematical model article review for *Journal of Transport Geography*.
- 2014 (Apr.). GIS and spatial statistics article review for *Journal of Transport Geography*.
- 2014 (Feb.). GIS and spatial statistics article review for *Journal of Transport Geography*.
- 2012 (Apr.). GIS and spatial statistics based article review for *Journal of Transport Geography*.
- 2010 (Sep.). GIS-based Article review for *FOCUS on Geography*.

Grants:

2018. (Value worth up to \$4,500) Cary, K. B., and Hughes, J. Byron. Awarded a Faculty-Undergraduate Student Engagement (FUSE) program grant proposal for undergraduate research using GIS to Map Ogden College Majors Enrolled at WKU During the Fall 2016 semester.
2015. (Value worth up to \$4,500) Cary, K. B., and Uthoff, Ryan. Awarded a Faculty-Undergraduate Student Engagement (FUSE) program grant proposal for undergraduate research using GIS to identify high tunnel location and service regions in Kentucky.
2014. (\$2,500) Cary, K. B., and McKillip, Peggy. Submitted Proposal on Baker Arboretum

web mapping services to Global Spatial Data Infrastructure Small Grants Program but not awarded due to "...more deserving underdeveloped nations."

- 2011. (\$21,500) Funds to replace computers in GIS Lab by WKU Academic Quality.
- 2009. (\$100,000) Spencer, S. L. (Principal), Siewers, H. (Supporting), Moore, P. (Supporting), Cary, K. B. (Other), Spencer, D. (Other), Grant, "Blueways in Warren County", Operations, Recreation Trails Foundation.
- 2008. (\$9,150) Two Servers for WKU Center for GIS to implement an Enterprise GIS, Funding by WKU PIE Grant.
- 2007. (\$17,000) Large Format Printer for WKU's Center for GIS, Funding by WKU PIE Grant.
- 2007. (\$5000) Warren County Blueways Internet Mapping Website, Funding by WKU PIE Grant.
- 2006. (\$10,000) 2nd Phase of Mapping WKU's Telephone Lines, Funding by WKU Information Technology Department.
- 2005. (\$5000) Center for GIS Server, Funding by WKU Academic Quality.
- 2004. (\$10,000) 1st Phase of Mapping WKU's Telephone Lines, Funding by WKU Information Technology Department.
- 2003. (\$5,000) Mapping WKU's Parking Lots, Funding by WKU Facilities Management and Parking & Transportation Committee.
- 2002. (\$5,000) Mapping WKU's Video Cable and Conduits, Funding by WKU Information Technology Department.

Abroad:

- 2008 (Feb. & Nov.). Bogota, Colombia, South America: GIS Assessment for federal grant.
- 2006/2007 (Dec. & Jan.). USAID China associated w/ Hoffman Environmental Institute: Setting up a GIS computer laboratory and giving GIS workshops at Southwest University of China for the environmental health project. Beijing (December 28th to January 4th) and Chongqing (Jan. 4th – Jan. 16th)
- 2006 (June). Western Australia and Sydney: Study Abroad Instructor. Perth, Fremantle, Mount Magnet, Newman, Karijini National Park, Wittenoom, Port Hedland, and Geraldton. Sydney and the Blue Mountains

Service:

(Current)

- 2015 – Present. Faculty Undergraduate Student Engagement Grant Application Reviewer.
- 2015 – Present. Community Collaborative Rain, Hail & Snow Network (CoCoRaHS.org) Observer.
- 2015 – Present. Internal WKU Green River Preserve Research Advisory Board.
- 2013 – Present. Service to the WKU community mapping out spatial distribution of alumni and majors: Engineering, Biology, Geography, and Geology.
- 2009 – Present. Service to Logan County Geographic Information Systems Corporation, Inc (a 501 c 3 non-profit)
- 2009 – Present. WKU Baker Arboretum GIS and GPS development and supervision with Arboriculturist Peggy McKillip.
- 2008 – Present. GISP Reviewer, WKU GIS Certification Institute (GISCI). A qualitative reviewer of GISP (GIS Professional Certification) applications. "Accepted applicants are certified and sent the appropriate documentation. Rejected applications may have their applications held for up to one year to submit additional material" (gisci.org).
- 2007 – Present. Advisor and consultant on GIS activities and products for WKU's Ky. Mesonet with Prof. Stuart Foster, Director of Ky. Mesonet, and Prof. Rezaul Mahmood, Associate Director of Kentucky Mesonet.
- 2006 – Present. Website Administrator of WKU Geographic Information Science (<http://www.wku.edu/gis/>)
- 2002 – Present. WKU Department of Geography and Geology GIS program committee.

(Past)

- 2017 – 2018. Ogden Space Committee
- 2016 – 2018. WKU Big Data Task-force (Creation of Graduate Certificate in Data Analytics).
- 2017. WRUS-AM 610 (Russellville, Ky.). An hour long radio interview with Thomas Harned of Logan Economic Alliance for Development (LEAD) discussing geographic information systems and economic development.
- 2016 – 2017. 2017 Solar Eclipse Maps for WKU's Planetarium.
- 2015 – 2018. Ky. Association of Mapping Professionals (KAMP) Scholarship Chair.
- 2015 – 2017. Kentucky State Police mapping project.
- 2015 – 2017. International Year (AY17) of South Korea at WKU advisory committee.
- 2016. WKU Department of Geography and Geology Dept. Head Steering Committee.
- 2015 – 2016. Kentucky GIS Conference Presentation Selection Committee.
- 2013 – 2016. Faculty advisor of WKU undergraduate student GIScience Club.
- 2015 – Dec. 1015. Faculty–Undergraduate Student Engagement (FUSE) committee grant reviewer.
- 2014 – May 2015. WKU Department of Geography and Geology World Regional Geography course committee on developing assessment questions for new Colonnade requirements.
- 2012 – May 2015. Enterprise GIS Committee for WKU Facilities Management and Planning, Design, and Construction.
- 2012 – May 2015. WKU Department of Geography and Geology Professional Science Masters in Geographic Information Science and Technology development committee.
- 2012 – Jan. 2014. WKU's Statistics Focus Group.
- 2014. WKU's Computing Across the Curriculum Committee
- 2013 – Jan. 2014. WKU Department of Geography and Geology GIS Instructor Hiring Committee
- 2013. WKU Department of Geography and Geology's GIS and Society course with Prof. Scott Dobler in restructuring course for new Colonnade general education requirements.
- 2013. WKU's "Effective Data Collection of Bicycle Travel Behavior A case study in a small community, Bowling Green, Kentucky", Yan, Jun, Cary, Kevin B (support), Jennifer Tougas, and Luke Miles.
- 2012. WRUS-AM 610 (Russellville, Ky.). An hour long radio interview with Thomas Harned of Logan Economic Alliance for Development (LEAD) discussing geographic information systems and economic development.
- 2011 – May 2012. "Using GIS to Assess Losses from Emerald Ash Borer at (WKU) Baker Arboretum", Stone, Martin J, Peggy, William, Cary, Kevin B (Support), On-Going, Scholarly. Using GIS/GPS to predict/assess losses from ash trees as the Emerald Ash Borer insect invades from the north.

Custom Maps, Web Maps, Websites, & Servers:

- 2013 – Present. Kentucky Experimental Drought Viewer [web map]. Retrieved from <http://gisapps.wku.edu/flexviewers/expdrought/>
- 2012 – Present. WKU Mesonet Web Map (<http://gisapps.wku.edu/wkymesonetgps.html>). Created SDE geodatabase service updating WKU Mesonet attributes every fifteen minutes as a feature service in ArcGIS for Server for use and display in a web map showing temperature, wind speed, wind direction, precipitation totals, and solar radiation.
- 2010 – Present. Migrated ArcIMS web maps into ArcGIS for Server as a map service and a web map in FlexViewers. Maps at http://www.loganleads.com/QCMS_LEAD/index.asp?Page=MapRoom with <http://gisapps.wku.edu/flexviewers> prefix are managed and maintained.
- 2008 – Present. Warren County, Ky. Blueways Web Map (<http://gisapps.wku.edu/Apps/WCBW/>). Created a web map showing Warren County streams, input/output points for canoe and kayaks, and points of interests along streams with hyperlinks for pictures. Web map was first created in ArcIMS and currently in a Silverlight viewer using ArcGIS for Server map services.

- 2006 – Present. Website Administrator of WKU Geographic Information Science (<http://www.wku.edu/gis/>)
- 2004 – Present. Maintain servers (stand-alone, 1U and 2U) associated with WKU's Center for GIS for floating licenses, web map services, SDE geodatabase services, ArcGIS for Server administration, MS SQL, PostgreSQL, and PostGIS.
2015. Six large format maps for *Kentucky State Police (KSP)*, and *Commonwealth Attorney's Office*, July and August, 2015.
2014. Shopping Extravaganza Challenge [map] for *Bowling Green Area Convention & Visitors Bureau*.
2014. Kentucky Community and Technical College System Enrollment and Distances Map for Greg Arbuckle's grant proposal, fall.
2014. Network Distances in Miles Map from WKU and Nearby Community and Technical Colleges for Rajalingam Dakshinamurthy's NIH grant proposal, Aug.
2008. Map for Study Abroad Poster/Ad for China.

COMPUTER SKILLS

GIS, GPS, & Database Software: ArcGIS Pro 2.X, 1.X, ArcGIS Desktop (ArcInfo) 8.X, 9.X, & 10.X, ArcView 3.X, ArcInfo 7, ArcPad 5, 6, 7, 8, & 10, ArcIMS 4.0.1, 9.X & 10, GeoServer, ArcGIS Server 9.X, 10.X, ArcGIS Image Server 10, ArcSDE, ArcGIS Online: Web Map, Web AppBuilder, feature layers, Pop-ups HTML, Analysis, Google Earth Pro, ArcGIS Earth, ArcGIS Extensions: Spatial Analyst / Network Analyst / Geostatistical Analyst / 3D Analyst (ArcScene) / Survey Analyst / Publisher / ArcPress / ArcScan, QGIS, SAGA GIS, GRASS, ArcView 3 Extensions: AutoBound 4 / Spatial Analyst / Network Analyst / ArcPress, WhiteBox GAT, Microsoft SQL Enterprise, PostgreSQL, PostGIS, Intergraph 2013 License Administration, ERDAS Imagine Pro, ERDAS Virtual GIS, IDRISI, Petra, Surfer, MapInfo, AutoCAD(D), Autodesk Map 6, Aspen, Pathfinder, GIS Data Viewers (ArcExplorer, ArcGIS Explorer, Google Earth, ERDAS ViewFinder, MapInfo Proviewer, Autodesk DWF Viewer, and Geomedia Viewer).

GPS & GIS Hardware: Desktops, Laptops, Trimble GeoXH, Trimble GeoXT, Trimble Juno, Trimble GPS Pro XRS, Trimble TSC1 Asset Surveyor, Trimble GPS Pocket Pathfinder, Consumer Grade GPS: Garmin GPS and Magellan GPS, Surveying Total Station, Surveying Level, HP Designjet Printers (Z6100ps, 5000ps, 1050c, & 800), LASER & Inkjet Printers, VIDAR TruInfo Scanner (i.e., Large Format Scanner), and DrawingBoard Digitizer.

Development, Design & Web Maps : ArcPy, ArcObjects, ArcObject UMLs, Visual Studio, ESRI Object Browser, MapObjects, AXL, HTML, CSS, XML, AML, BASIC, JSON, PHP, Visual BASIC, VBA, SQL, Pascal, Python, Java Script, ArcGIS API for JavaScript, ArcGIS Viewer for Flex, ArcGIS Viewer for Silverlight, OpenLayers, QGIS2Web, and Leaflet.

Operating Systems & Software Utilities: Windows Server OS: Server 2003, Server 2008, and Server 2012, Windows Desktop OS: Windows 7 Enterprise, Vista, XP Pro, 2K, CE, NT, 9X and 3.X, MS-DOS/IBMDOS, VAX/VMS, MacOS, OS2, Unix/Linux, PythonWin, Idle, PKZip Utilities, WinZip, GZip, Compress, BadCopy Pro, and Local Area Networking (Novell).

Statistics: R 3.X, R Studio, R Spatial Stats, R Mapping, ArcGIS Spatial Statistics, GeoDa, S-Plus 5, 6, 7 & 8, S-Plus Spatial Stats, S-Plus for ArcView 3, SPSS, PSPP, ArcGIS Geostatistical Analyst, MS Excel, CurveFit, Derive, TI-85 Calculator and Mathematica 4.

Weather & Climate: UniData IDV Weather RADAR Software, Climatronics Data Logger, and PC208 Data Retrieval.

World Wide Web & Design: BlackBoard, LaTeX, ArcIMS, DreamWeaver MX, Visual Studio, Fireworks MX, Microsoft's IIS, Apache Web Service, Apache's Tomcat Servlet, Servlet Exec, Adobe Photo Shop / Acrobat / Distiller, GIMP 2, Corel Draw, Google SketchUp, Hypersnap DX, Microsoft Office, WordPerfect, Crystal Reports, and Wordperfect Suite.

1980s Technology: Apple Macintosh, Apple Iie, Apple Iic, Atari 800XL, Commodore Vic-20, Commodore 64/128, IBM PC i8088, IBM PC/AT, IBM PS1, IBM PS2, IBM Clones, and Bulletin Board Systems (BBS).

AWARDS & NOMINATIONS

2018. Nominated for Member of Kentucky's Geographic Information Advisory Council by Travis Powell, General Counsel and Associate Vice President of Kentucky Council on Postsecondary Education.
2015. Nominated for WKU's inaugural *Undergraduate Faculty Mentoring Award*. This award honors faculty members for excellent mentoring of undergraduate students in research and creative activity.
2013. Nominated for Member of Kentucky's Geographic Information Advisory Council by Department of Geography and Geology's Department Head, Dr. David Keeling, and Western Kentucky University's Provost, Dr. Gordon Emslie.
- 2009 *Exemplary System Award in Geographic Information Science* at WKU Kentucky Association of Mapping Professionals (<http://kampro.org/>).
2006. Appointed *Kentucky Colonel*: "Kentucky Colonels are unwavering in devotion to faith, family, fellowman and country. Passionate about being compassionate. Proud, yet humble. Leaders who are not ashamed to follow. Gentle but strong in will and commitment. The Honorable Order of Kentucky Colonels, as a Brotherhood, reaches out to care for our children, support those in need and preserve our rich heritage" (<http://kycolonels.org/>).
2004. Kecarius – "Greek God of GIS" Geoscience Graduate Students' award, Department of Geography and Geology, Western Kentucky University.
1999. *Outstanding Geography Graduate Student* award, 1998 – 1999, Department of Geography and Geology, Western Kentucky University.

PUBLICATIONS (Papers and Maps)

- Hunt, M., Jones, S., Cary, K., Carter, D., Hall, M., & Main, M. (in press). *Genetic Medical Clinic in Kentucky: A Needs Assessment of Anabaptist Households*, The Journal of Amish and Plain Anabaptist Studies, forthcoming.
- Cary, K. (2018). Allen County, Kentucky Preface Map [map]. In: Glen Conner. *Our Sense of Place: A History of Allen County, Kentucky Communities*. Acclaim Press, 2018 (ISBN-10: 1-948901-07-2, ISBN-13: 978-1-948901-07-9, LCCN: 2018909180).
- Cary, K. (2018). Breweries and Adaptive Reuse: Case Study Locations [Map]. In "Craft Breweries and Adaptive Reuse in the U.S. The Use and Reuse of Space and Language" (Neil Reid, Margaret M. Gripshover, and Thomas L. Bell), Handbook of the Changing World Language Map (Edited by Stanley Brunn). Bowling Green, KY.
- Cary, K. (2017). *Downing Museum and Baker Arboretum Visitor's Map* [Brochure, Map], Bowling Green, KY.
- Cary, K. and Conner, G. (2016). Large format printed maps of Scottsville with aerials and SanBorn [maps] for *Scottsville Allen County Planning Commission* and *Allen County Historical Society*. March 8, 2016.
- Cary, K. (2015). Bowling Green and Warren County [map]. In: Peggy Gripshover. Submitted on August 26, 2015 to *Journal of Cave and Karst Studies*.
- Cary, K. (2015). Hialeah and Miami [map]. In: Joseph Scarpaci. "A Tale of Two Cities: Hialeah's Economic Ties with Havana", *FOCUS on Geography* Vol. 58, No. 2, Summer.
- Cary, K. (2015). Generating Scheduled Rasters using Python, *2015 Education [ESRI] Conference Proceedings*.
- Cary, K. (2014). ArcGIS Providing Opportunities for WKU's Kentucky Mesonet, *2014 Education [ESRI] Conference Proceedings*.
- Cary, K. (2015). Twenty-seven figures of areas during 1812 era in U.S. [maps]. In: Glen Conner. *Frontiersmen in the War of 1812*. Acclaim Press, February 2, 2015 (ISBN-10: 1938905903, ISBN-13: 978-1938905902, LCCN: 2014921890).
- Cary, K. (2014). Kentucky Horse Farm Locations [map]. In: Peggy Gripshover. "Born to Run: Kentucky Derby Winners' Foaling Locations in Kentucky, 1875 – 2013", *FOCUS on Geography* Vol. 57, No. 2, Summer.

- Cary, K. (2013). Habitat for Humanity Cities [map]. In: Christa Smith. "The Rise of Habitat for Humanity Subdivisions", *FOCUS on Geography* Vol. 56, No. 3, Fall.
- Cary, K. (2013). Bangladesh and Vicinity [map]. In: Kari B. Jensen. "Child Slavery and the Fish Processing Industry in Bangladesh", *FOCUS on Geography* Vol. 56, No. 2, Summer.
- Cary, K. (2012). Igboland [map]. In Njoku Akuma-Kalu. "Establishing Community Traditions: Lessons from Folkloristics", *Journal of American Folklore* 125(497):327342 Copyright 2012 by the Board of Trustees of the University of Illinois.
- Cary, K. (2012). Medellin, Colombia, Transportation [map]. In: Dizgun, J., Drummond, H., and Keeling, D. "Medellin: A City Reborn?", *FOCUS on Geography* Vol. 55, Issue 4, Winter.
- Cary, K. (2012). West Africa Declared Territory of Azwad [map]. In: David Keeling. "A Picture is Worth 1000 Words: Isolation and Decline in Timbuktu, Mali", *FOCUS on Geography* Vol. 55, Issue 3, Fall.
- Cary, K. (2012). North-Central Wales and Bala, Wales [map]. In: David Keeling. "How Green is My Valley – The Changing Landscape of Bala, Wales", *FOCUS on Geography* Vol. 55, Issue 2, Summer.
- Cary, K. (2012). Tongatapu Area [map]. In: J. Connel. "A Picture is Worth 651 Words: A Tongan Gravestone", *FOCUS on Geography* Vol. 55, Issue 2, Summer.
- Cary, K. (2012). U.S. Onion Farms [map]. In: Peggy Gripshover and Tom Bell. "Patently Good Ideas: Innovations and Inventions in U.S. Onion Farming, 1883–1939", *Material Culture: The Journal of the Pioneer America Society* Vol. 44, No. 1, Spring.
- Cary, K. (2011). Lincolnshire Districts [map]. In: David Keeling. "Transportation Landscapes – Lincolnshires 'By-Pass' Railway", *FOCUS on Geography* Vol 54, Issue 2, Summer.
- Cary, K. (2011). Ecuador [map]. In: Austin Beahm. "The Slippery Slope of Tourism and Oil in the Amazon: The Story of Tena, Ecuador", *FOCUS on Geography* Vol. 54, Issue 2, Summer.
- Cary, K. (2010). Rowan County, Kentucky [map]. In: Smith. "The Creation of New Deal Landscapes: An Examination of WPA Voting Houses in Kentucky", *FOCUS on Geography* Vol. 53, Issue 3, Fall.
- Cary, K. (2010). Interests in the World [map]. In: David Keeling. "Connected Places, Interactive Spaces – Transport Infrastructure for a Global Society. Connected Places, Interactive Spaces – Transport Infrastructure for a Global Society", *FOCUS on Geography* Vol. 53, Issue 1.
- Cary, K., Spencer, S., and Stenger-Ramsey (2009). Submitted: Warren County Blueways: Bringing the Rivers back to your Community, *National Recreation and Park Association*, Journal 6.
- Cary, K., Spencer, S., and Stenger-Ramsey (2008). Water Trails and Blueways, *Kentucky Recreation & Park Society*, Vol. 58 No. 4.
- Cary, K. (2008). South America [map]. In: David Keeling. "South American IIRSA Regions Map and Proposed High-Speed Rail Corridor Map. Latin America's Transport Conundrum", *Journal of Latin American Geography* 2nd ed., vol. 7, pp. 133 – 154.
- Cary, K. (2007). New Bachelor's Degree in GIS: Western Kentucky University Adds Degree to its Program, *ESRI GIS Educator*.
- Cary, K. (2007). Network Analysis: A Walk Around Campus Redlands, *ESRI Education User Conference Proceedings*.
- Ault, D., and Cary, K. (2004). Partnering with Academic Departments to Improve Facilities Management Information Systems, *Southeastern Regional Association of Physical Plant Administrators (SRAPPA) Proceedings*.
- Cary, K. (2003). A Project-Based Approach to Incorporating GIS into the Education Curriculum, *ESRI Education User Conference Proceedings*.
- Cary, K., and Jonasson, O. (2002). GIS in Horry County South Carolina 1990-Acre Fire with Olaf Jonasson, *ESRI International User Conference Proceedings*.
- Cary, K. (2001). *A Model of Precipitation Rates in Kentucky, 1965 – 1996* (Master's thesis). Retrieved from <http://digitalcommons.wku.edu/theses/682> (WKU Paper 682)
- Cary, K. (1998). Mean Annual Temperature. Retrieved from <http://www.kyclimate.org/factsheets/meantemp.html>

PRESENTATIONS

2018. Presentation on *Geotechnologies in a Global Community* at Kentucky's Annual GIS Conference, Bowling Green, Ky., Oct.
2017. Presentation with Ryan Uthoff on *Accessible Regions of EQIP High Tunnels in Kentucky* at ESRI UC Conference, San Diego, Calif., July.
2016. Presentation on *GIS: From Map Makers to Solution Providers* at Garrard County High School to a 9th grade advance science class, Lancaster, Ky., Nov.
2016. Presentation on *Data Exploration and Visualization Using GIS Grant* at Kentucky Agriculture Science and Monitoring Committee Meeting, Bowling Green, Ky., Oct.
2016. Presentation presented by Scott Dobler at panel discussion titled *The Kentucky Esri Postsecondary Site License Program 15 Years and Counting Success Stories Education in Kentucky* at Kentucky's Annual GIS Conference, Louisville, Ky., Sep.
2016. Presentation with Ryan Uthoff on *Mapping High Tunnels in Kentucky: An Undergraduate Engagement Grant* at ESRI EdUC Conference, San Diego, Calif., June.
2016. Presentation in Session 12: Applying GIS and Geospatial Technology in Real-World Projects at WKU American Planning Association Kentucky Spring Conference, Bowling Green, Ky., May.
2016. Presentation on WKU GIS to a KAMP quarterly meeting, Owensboro, Ky., April.
2015. Presentation on *Creative Mapping of Historical Events: A Behind-The-Scenes Look at Mapmaking* to WKU's Department of Geography and Geology, Bowling Green, Ky., Oct.
2015. Presentation on *Generating Scheduled Rasters using Python* at Kentucky's Annual GIS Conference, Owensboro, Ky., Oct.
2015. Paper presentation on *Generating Scheduled Rasters using Python* at Esri's EdUC Conference, San Diego, Calif., July.
2015. Exhibitor/Volunteer. Volunteered for Kentucky Association of Mapping Professionals (KAMP) vendor booth at Kentucky Association of Professional Surveyors (KAPS) Annual Conference, Feb. 27, 2015.
2014. Presentation on GIS to WKU's Association of Computing Machinery (ACM) Student Chapter, Bowling Green, Ky., Nov. 6, 2014.
2014. Presentation/Panelist on *Enterprise-wide Solutions and Best Practices in Kentucky's Esri Site Postsecondary License Program* at Kentucky's Annual GIS Conference, Louisville, Ky., Oct.
2014. Presentation titled *The Cartography of Kentucky's Involvement in the War of 1812* at Kentucky's Annual GIS Conference, Louisville, Ky., Oct.
2014. Paper presentation on *ArcGIS Providing Opportunities for WKU's Kentucky Mesonet* at Esri's EdUC Conference, San Diego, Calif., July.
2014. Presentation/Panelist on *Geospatial Education Initiatives in Kentucky – Decades-Old, Overnight Success Stories* at American Society for Photogrammetry and Remote Sensing, Louisville, Ky., March.
2014. Presentation titled *GIS Programs at WKU* at Annual Meeting of the Cumberland Chapter of URISA, Bowling Green, Ky., Jan.
2013. Presentation titled *WKU GIS, Ky. Mesonet at WKU, and Web Maps* (with Luke Miles) at Kentucky's Annual GIS Conference, Louisville, Ky., Oct.
2013. Presentation titled *Partnering with Academics to Utilize and Maintain a University Enterprise GIS* (with Josh Montgomery and Thomas Woodall) at Kentucky's Annual GIS Conference, Louisville, Ky., Oct.
2013. Presentation titled *Modeling Campus* at ESRI's EdUC 2013 Conference, San Diego, Calif., July.
2012. Panel discussion titled *Developing Best Practices in ESRI Site License Program for Postsecondary Education in Kentucky* at Kentucky's Annual GIS Conference, Louisville, Ky., Sep.
2012. Presentation titled *GIS Internships in the Campus Community* at Kentucky's Annual GIS Conference, Louisville, Ky., Sep.
2012. Presentation titled *GIS Internships in the Campus Community* at ESRI's EdUC 2012 Conference, San

- Diego, Calif., July.
2012. Workshop and presentation on GIS for REU Students, Bowling Green, Ky., June.
2012. Presentation titled *WKU GIS* for Kentucky Association of Mapping Professionals, Bowling Green, Ky., June.
2011. Presentation titled *Using ArcGIS in a Statistics Course* at ESRI's EdUC 2011. Conference, San Diego, Calif., July.
2010. Panel Discussion titled *Managing Change: How to Benefit from New Deployment, Upgrades, and Virtualized Learning Tools in Kentucky's Education Continuum* at Kentucky's GIS Conference, Frankfort, Ky., Oct.
2010. Presentation titled *Student Projects in a GIS Course*. ESRI's EdUC 2010 Conference. San Diego, California, July.
2009. Paper presentation titled *Warren County Blueways: Expanding River Awareness/Stewardship* with Steve Spencer and Tammy Stenger-Ramsey at The First Southeastern Water Trails Forum, Chattanooga, Tenn., Oct.
2009. panel discussion titled *Centers/Labs for Geospatial Ed. and Research in Ky – A Look Back and A Look Forward* at the Kentucky Geospatial Summit, Kentucky Association of Mapping Professionals, Frankfort, Ky., Oct.
2009. presentation titled *Warren County Blueways: Expanding River Awareness/Stewardship* with Steve Spencer and Tammy Stenger-Ramsey at The First Southeastern Water Trails Forum, Chattanooga, Tenn., Oct.
2009. Presentation (accepted but not presented due to overflow) titled *The Challenges of File Management* at ESRI's EdUC 2009 Conference, San Diego, Calif., July.
2009. Paper presentation titled *Warren County Blueways: Building Local Economies by Expanding River Awareness/Stewardship* at the 2009 Campus Community Partnerships for Sustainability Conference, WKU, Bowling Green, Ky., Apr.
2009. Paper presentation titled *Lets Get Wet: Service Learning with the Warren County Blueways* with Steve Spencer and Tammy Stenger-Ramsey at the National Conference of the WEA, Bloomington, Ind., Feb.
2009. Presentation titled *WKU's GIS Program* at a Kentucky Association of Mapping Professionals meeting, WKU, Bowling Green, Ky., Jan.
2008. Paper presentation titled *Warren County Blueways: Student Engagement with Tangible Results* with Dr. Spencer at the Engaging the Spirit: Celebrating Student Success, WKU, Bowling Green, Ky., Aug.
2008. presentation titled *Networks and Streams*, ESRI's EdUC 2008 Conference. San Diego, Calif., Aug.
2008. Presentation titled *Warren County Blueways Internet Mapping Service Project* at the 15th Annual Kentucky GIS Conference, Lexington, Ky., July.
2007. Presentation on collaborative grants with GIS, Ogden College, Bowling Green, Ky., Oct.
2007. Presentation titled *ArcGIS and WKU's Computer Labs* at the 2007 Kentucky GIS Conference, Louisville, Ky., Aug.
2007. Paper presentation titled *Network Analysis: A Walk Around Campus* at ESRI's EdUC 2007 Conference, San Diego, Calif., June.
2006. Presentation titled *Network Analysis: A Classroom Project* at ESRI's EdUC 2006. Conference, San Diego, Calif., Aug.
2006. Panel discussion on GIS in Kentucky Schools at the 2006 Kentucky GIS Conference with Dr. Demetrio Zourarakis, Ft. Mitchell, Ky., July.
2005. Presentation titled *Mapping WKU's Information and Communication Infrastructure for GIS* with graduate student Shwu-Jing Jeng at the 2005 Kentucky GIS Conference, Bowling Green, Ky., Aug.
2004. Paper presentation titled *Partnering with Academic Departments to Improve Facilities Management Information Systems* with Doug Ault, PE at the Southeastern Regional Association of Physical Plant

- Administrators (SRAPPA), New Orleans, La., Nov.
2004. Paper presentation titled *A Project-Based Approach to Incorporating GIS into the Education Curriculum* at Kentuckys 2004 GIS Conference. Lexington, Ky., Sep.
2004. Presentation titled *ESRI's University Site License at WKU* at Kentuckys 2004. GIS Conference, Lexington, Ky., Sep.
2004. Panel discussion on ESRI's University Site License at ESRI's EdUC 2004 Conference with Lynne O'Connor, San Diego, Calif., Aug.
2003. Presentation titled *What is GIS?* for GIS Day at Western Kentucky University, Bowling Green, Ky., Nov.
2003. Panel discussion on GIS Day at the Second Annual Middle Tennessee Forum on Geographic Information Systems, Nashville, Tenn., Sep.
2003. Panel discussion on GIS Day at Kentuckys 2003 GIS Conference. Louisville, Ky., Aug.
2003. Paper presentation titled *GIS in Emergency Management: A Case Study of the Long Bay Fire in South Carolina* at Kentuckys 2003 GIS Conference, Louisville, Ky., Aug.
2003. Paper presentation titled *A Project-Based Approach to Incorporating GIS into the Education Curriculum* at the ESRI Education User Conference 2003. San Diego, Calif., July.
2002. Presentation titled *The GIS Facility at Western Kentucky University* at the Southern Kentucky GIS Users Group, Bowling Green, Ky., Dec.
2002. Demonstration presentation on GIS for GIS Day, Western Kentucky University, Bowling Green, Ky., Nov.
2002. Presentation titled *GIS Program at Western Kentucky University* at the first Annual Middle Tennessee Forum on Geographic Information Systems, Nashville, Tenn., Oct.
2001. Paper presentation titled *Aerial and Ground GPS Methods Used for the North Myrtle Beach Fire at Geolina (North Carolina & South Carolina GIS Users) GIS Conference with co-presenter Olaf Jonasson (Horry County GIS Analyst), Myrtle Beach, South Carolina, Dec.*
- 2001 GPS Demonstration using ArcPad 5 and a Trimble Pocket Pathfinder with an iPaq, a demonstration presented to Geolina (North Carolina & South Carolina GIS Users) GIS Conference, co-presenter Olaf Jonasson (Horry County GIS Analyst), Myrtle Beach, S.C., Dec.
2001. Presentation titled *Geographic Information Systems* to the Conway City Council, Conway Department Heads, Conway Citizens, Kiwanis Club, and Planning Commission, Conway, S.C., Oct.
2000. Master's thesis presentation titled *A Model of Precipitation Rates in Kentucky, 1965 - 1996* to the Department of Geography and Geology at Western Kentucky University, Bowling Green, Ky., Apr.
1998. Paper presentation titled *Western Kentucky Precipitation Rates* at The Kentucky Academy of Sciences, Louisville, Ky.
1998. Paper presentation titled *Western Kentucky Precipitation Rates* at Sigma Xi (The Scientific Research Society), Bowling Green, Ky.
1997. Paper presentation titled *A Model of Mean Annual Temperature in Kentucky* at Sigma Xi (The Scientific Research Society), Bowling Green, Ky.

WORKSHOP INSTRUCTOR

- 2016 Workshop Instructor on *Consuming Kentucky Weather and Climate Web Map Services* at a Ky. Assoc. Mapping Professionals Workshop at WKU, Bowling Green, Ky., May.
- 2014 Presentation and Workshop Instructor on *Sinks, Streams and Watersheds: Prehistoric Worms are eating my Car!* at a Ky. Assoc. Mapping Professionals Workshop at WKU-Owensboro, Owensboro, Ky., March.
- 2011 Workshop Instructor on Editing Features in ArcGIS Desktop at Kentucky's Annual GIS Conference, Frankfort, Ky., Oct.
- 2008 Workshop Instructor on Introducing ArcGIS for Desktop and Spatial Analyst Extension for Colombian

- (South America) Geoscire group, Bowling Green, Ky., June.
- 2008 Workshop Instructor on Introducing ArcGIS for Desktop at Southwest University, Chongqing, China, Jan.
- 2005 Workshop Instructor on Introducing ArcGIS for Desktop for Mammoth Cave Park Rangers and Administrators, Bowling Green, Ky., June.

ABSTRACTS

- Cary, K. (2018). Geotechnologies in a Global Community [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Owensboro, Ky., Oct.
- Cary, K. and Ryan Uthoff (2016). Mapping High Tunnels in Kentucky: An Undergraduate Engagement Grant [Abstract]. *Esri Education GIS Conference Agenda*, San Diego, Calif., June.
- Cary, K. (2015). Generating Scheduled Rasters using Python [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Owensboro, Ky., Oct.
- Cary, K. (2015). Generating Scheduled Rasters using Python [Abstract]. *Esri Education GIS Conference Agenda*, San Diego, Calif., July.
- Cary, K. (2014). Enterprise-wide Solutions and Best Practices in Kentucky's Esri Site Postsecondary License Program Panel [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Louisville, Ky., Sep.
- Cary, K. (2014). The Cartography of Kentucky's Involvement in the War of 1812 [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Louisville, Ky., Sep.
- Cary, K. (2014). ArcGIS Providing Opportunities for WKU's Kentucky Mesonet [Abstract]. *Esri Education GIS Conference Agenda*, San Diego, Calif., July.
- Cary, K. and Miles, L. (2013). WKU GIS, Ky. Mesonet at WKU, and Web Maps [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Louisville, Ky., Oct.
- Cary, K., Montgomery, J. and Woodall, T. (2013). Partnering with Academics to Utilize and Maintain a University Enterprise GIS [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Louisville, Ky., Oct.
- Cary, K. (2012). Modeling Campus [Abstract]. *ESRI's EdUC 2012 Conference Proceedings*, San Diego, Calif., July.
- Cary, K. (2012). GIS Internships in the Campus Community [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Louisville, Ky., Sep.
- Cary, K. (2012). GIS Internships in the Campus Community [Abstract]. *ESRI's EdUC 2012 Conference Proceedings*, San Diego, Calif., July.
- Cary, K. (2011). Workshop on Editing in ArcGIS Desktop [Abstract]. *Kentucky's Annual GIS Conference Agenda*, Frankfort, Ky., Oct.
- Cary, K. (2011). Using ArcGIS in a Statistics Course [Abstract]. *ESRI's EdUC 2011 Conference Proceedings*, San Diego, Calif., July.
- Cary, K. (2010). Student Projects in a GIS Course [Abstract]. *ESRI's EdUC 2010 Conference Proceedings*, San Diego, Calif., July.
- Cary, K. (2009). The Challenges of File Management [Abstract]. *ESRI's EdUC 2009 Conference Proceedings*, San Diego, Calif., July.
- Cary, K., Spencer, S., and Stenger-Ramsey, T. (2009). Warren County Blueways: Building Local Economies by Expanding River Awareness/Stewardship [Abstract]. *2009 Campus Community Partnerships for Sustainability Conference Agenda*, WKU, Bowling Green, Ky., Apr.
- Cary, K., Spencer, S., and Stenger-Ramsey, T. (2009). Lets Get Wet: Service Learning with the Warren County Blueways [Abstract]. *National Conference of the WEA Agenda*, Bloomington, Ind., Feb.
- Cary, K., and Spencer, S. (2008). Warren County Blueways: Student Engagement with Tangible Results [Abstract]. *Engaging the Spirit: Celebrating Student Success Agenda*, WKU, Bowling Green, K., Aug.
- Cary, K. (2008). Networks and Streams, *ESRI's EdUC 2008 Conference Proceedings*. San Diego, Calif., Aug.

- Cary, K. (2008). Warren County Blueways Internet Mapping Service Project [Abstract]. *15th Annual Kentucky GIS Conference Agenda*, Lexington, Ky., July.
- Cary, K. (2007). ArcGIS and WKU's Computer Labs [Abstract]. *2007 Kentucky GIS Conference Agenda*, Louisville, Ky., Aug.
- Cary, K. (2007). Network Analysis: A Walk Around Campus [Abstract]. *ESRI's EdUC 2007 Conference Proceedings*, San Diego, Calif., June.
- Cary, K. (2006). Network Analysis: A Classroom Project [Abstract]. *ESRI's EdUC 2006 Conference Proceedings*, San Diego, Calif., Aug.
- Cary, K. and Jeng, S. (2005). Mapping WKU's Information and Communication Infrastructure for GIS [Abstract]. *2005 Kentucky GIS Conference Agenda*, Bowling Green, Ky., Aug.
- Ault, D., and Cary, K. (2004). Partnering with Academic Departments to Improve Facilities Management Information Systems, *Southeastern Regional Association of Physical Plant Administrators (SRAPPA) Agenda*, New Orleans, La., Nov.
- Cary, K. (2004). A Project-Based Approach to Incorporating GIS into the Education Curriculum [Abstract]. *Kentucky's 2004 GIS Conference Agenda*, Lexington, Ky., Sep.
- Cary, K. (2004). ESRI's University Site License at WKU [Abstract]. *Kentuckys 2004 GIS Conference Agenda*, Lexington, Ky., Sep.
- Cary, K. (2003). GIS in Emergency Management: A Case Study of the Long Bay Fire in South Carolina [Abstract]. *Kentuckys 2003 GIS Conference Agenda*, Louisville, Ky., Aug.
- Cary, K. (2003). A Project-Based Approach to Incorporating GIS into the Education Curriculum [Abstract]. *ESRI Education User Conference Proceedings*, San Diego, Calif., July.
- Cary, K., and Jonasson, O. (2001), Aerial and Ground GPS Methods Used for the North Myrtle Beach Fire [Abstract]. *Geolina (North Carolina & South Carolina GIS Users) GIS Conference Agenda*, Myrtle Beach, S.C., Dec.

CONFERENCES, PROFESSIONAL DEVELOPMENT, and PROFESSIONAL MEETINGS

2018. Kentucky GIS Conference. Bowling Green, Ky. Oct.
2018. ESRI International User Conference 2016. San Diego, Calif., July.
2018. ESRI Education User Conference 2016. San Diego, Calif., July.
2017. Western Governors University Seminar, Salt Lake City, Utah, Oct.
2017. ESRI International User Conference 2017. San Diego, Calif., July.
2017. Kentucky Mesonet Advisory Board Meeting at WKU-Elizabethtown. Elizabethtown, Ky., Jan.
2017. URISA Cumberland Chapter Annual Meeting at Austin Peay State University. Clarksville, Tenn., Jan.
2016. ESRI International User Conference 2016. San Diego, Calif., June.
2016. ESRI Education User Conference 2016. San Diego, Calif., June.
2016. American Planning Association Kentucky Spring Conference. Bowling Green, Ky. May.
2016. KAMP Quarterly Meeting. Owensboro, Ky. April.
2016. WKU Student Research Conference. Bowling Green, Ky. April.
2015. Southeastern Division of the Association of American Geographers (SEDAAG). Pensacola, Fla. Nov.
2015. Kentucky GIS Conference. Owensboro, Ky. Oct.
2015. ESRI International User Conference 2015. San Diego, Calif., July.
2015. ESRI Education User Conference 2015. San Diego, Calif., July.
2015. Kentucky Association of Professional Surveyors (KAPS) Annual Conference. Bowling Green, Ky. Feb.
2015. Kentucky Association of Mapping Professionals Quarterly Meeting. WKU, Bowling Green, Ky. Jan.
2014. Kentucky GIS Conference. Louisville, Ky. Sep.
2014. ESRI International User Conference 2014. San Diego, Calif., July.
2014. ESRI Education User Conference 2014. San Diego, Calif., July.
2014. American Society for Photogrammetry and Remote Sensing. Louisville, Ky. March.
2014. Annual Meeting of the Cumberland Chapter of URISA. Bowling Green, Ky. Jan.
2013. Kentucky GIS Conference. Louisville, Ky. Sep.

- 2013. ESRI International User Conference 2013. San Diego, Calif., July.
- 2013. ESRI Education User Conference 2013. San Diego, Calif., July.
- 2012. Kentucky GIS Conference. Louisville, Ky. Sep.
- 2012. ESRI International User Conference 2012. San Diego, Calif., July.
- 2012. ESRI Education User Conference 2012. San Diego, Calif., July.
- 2012. Kentucky Association of Mapping Professionals Quarterly Meeting. Bowling Green, Ky. June.
- 2011. Kentucky GIS Conference. Frankfort, Ky. Oct.
- 2011. ESRI International User Conference 2011. San Diego, Calif., July.
- 2011. ESRI Education User Conference 2011. San Diego, Calif., July.
- 2010. Kentucky GIS Conference. Frankfort, Ky. Oct.
- 2010. ESRI International User Conference 2010. San Diego, Calif., July.
- 2010. ESRI Education User Conference 2010. San Diego, Calif., July.
- 2009. Kentucky Association of Mapping Professionals' Geospatial Summit (Conf.). Frankfort, Ky., Sep.
- 2009. ESRI International User Conference 2009. San Diego, Calif., July.
- 2009. ESRI Education User Conference 2009. San Diego, Calif., July.
- 2009. Campus Community Partnerships for Sustainability. WKU, Bowling Green, Ky., Apr.
- 2009. Kentucky Association of Mapping Professionals. WKU, Bowling Green, Ky., Jan.
- 2008. ESRI International User Conference 2008. San Diego, Calif., Aug.
- 2008. ESRI Education User Conference 2008. San Diego, Calif., Aug.
- 2008. 15th Annual Kentucky GIS Conference, Lexington, Ky., July.
- 2007. Kentucky GIS Conference, Louisville, Ky., July/Aug.
- 2007. ESRI International User Conference 2007. San Diego, Calif., June.
- 2007. ESRI Education User Conference 2007. San Diego, Calif., June.
- 2006. ESRI International User Conference 2006. San Diego, Calif., Aug.
- 2006. ESRI Education User Conference 2006. San Diego, Calif., Aug.
- 2006. Kentucky GIS Conference, Ft. Mitchell, Ky., July.
- 2006. Annual Tennessee Geographic Information Council (TNGIC), Franklin, Tenn., March.
- 2005. Kentucky GIS Conference, Bowling green, Ky., Aug.
- 2005. Kentucky Climate Center's 1st Climate Services Symposium, Bowling Green, Ky., May.
- 2004. Southeastern Regional Association of Physical Plant Administrators. New Orleans, La., Nov.
- 2004. Kentucky GIS Conference. Lexington, Ky., Sep.
- 2004. ESRI International User Conference 2004. San Diego, Calif., Aug.
- 2004. ESRI Education User Conference 2004. San Diego, Calif., Aug.
- 2004. American Water Resource Association, "GIS and Water Resources III". Nashville, Tenn., May.
- 2003. Middle Tennessee Forum on Geographic Information Systems. Nashville, Tenn., Sep.
- 2003. Kentucky GIS Conference. Louisville, Ky., Aug.
- 2003. ESRI International User Conference 2003. San Diego, Calif., July.
- 2003. ESRI Education User Conference 2003. San Diego, Calif., July.
- 2003. International Conference on Karst Hydrogeology & Ecosystems, Bowling Green, Ky., June.
- 2002. Middle Tennessee Forum on Geographic Information Systems. Nashville, Tenn., Oct.
- 2001. Geolina GIS Conference. Myrtle Beach, S. C., Dec.
- 1998. The Kentucky Academy of Sciences. Louisville, Ky.
- 1998. Sigma Xi (The Scientific Research Society). Bowling Green, Ky.
- 1997. Sigma Xi (The Scientific Research Society). Bowling Green, Ky.

MEMBERSHIPS

Community Collaborative Rain, Hail & Snow Network (CoCoRaHS)	Sep. 2015 – Present
Cumberland Chapter of URISA	Feb. 2014 – Present
Kentucky Association of Mapping Professionals (KAMP)	Nov. 2003 – Present
Middle Tennessee GIS Users Group	Oct. 2002 – Present
SouthEastern Division of the Association of American Geographers	Oct. 2015 – Oct. 2016
WKU GIScience Club (Faculty Advisor)	Sep. 2013 – March 2016
Kentucky Academy of Science (KAS)	Sep. 2003 – Sep. 2008

Southern Kentucky GIS Users Group (SKY GIS)	Sep. 2002 – Jan. 2007
President	Jan. 2004 – Jan. 2005
Vice President	Jan. 2003 – Dec. 2003
The Association of American Geographers (AAG)	Oct. 2001 – Oct. 2005
Horry/Georgetown GIS User Group (Assoc. w/ South Carolina Arc Users Group)	Sep. 2001 – Sep. 2002
Federation International Football Association (FIFA)	Jan. 1991 – Jan. 1998
United States Soccer Federation	Jan. 1991 – Jan. 1998
Kentucky High School Athletic Association (KHSAA)	Aug. 1992 – Aug. 1997
Southern Kentucky High School Soccer Referees	Aug. 1995 – Aug. 1997
Western Kentucky High School Soccer Referees	Aug. 1992 – Aug. 1997

WORK EXPERIENCE

GIS Coordinator	2001 – 2002
Planning Department	
City of Conway, Conway, S.C.	
GIS Intern	Summer 2001
Barren Area Development District	
Bowling Green, Ky.	
Subcontractor for Baron Aviation of Vichy, Missouri	2000 – 2001
Bowling Green & Warren County Regional Airport	
Bowling Green, Ky.	
Counselor and Mathematics Tutor	Summer 2000
CoGynesis Learning Labs	
Bowling Green, Ky.	
Federation International Football Association Referee	1991 – 1998
Indiana, Kentucky, and Tennessee	
Approved Level High School Soccer Official/Referee	1996 – 1997
Kentucky High School Athletic Association (KHSAA)	
West Kentucky, and Southcentral Kentucky	
Registered Level High School Soccer Official/Referee	1992 – 1996
Kentucky High School Athletic Association (KHSAA)	
West Kentucky and Southcentral Kentucky	
Clerical Position (DoD Summer Hire Program)	Summer 1987
Criminal Investigation Department of the United States Army	
Department of Defense	
Heidelberg, West Germany	
Laborer Position (DoD Summer Hire Program)	Summer 1987
United States Army Hammonds Barracks	
Department of Defense	
Mannheim, West Germany	

PERSONAL EXPERIENCE

Bowling Green, Ky.	2002 – Present
Conway (Myrtle Beach), S. C.	2001 – 2002
Bowling Green, Ky.	1995 – 2001
Hopkinsville, Ky. and Clarksville, Tenn. (1991 – 1995)	1989 – 1995
London, Ky.	1988 – 1989
Heidelberg, W. Germany	1986 – 1988
Zweibrücken, W. Germany	1985 – 1986
Ft. Hood, Tex.	1983 – 1985

Petersburg, Va.	Summer 1983
Seoul, S. Korea	1981 – 1983
Ft. Knox, Ky.	1977 – 1981
Honolulu, Hawai'i	1974 – 1977
Ft. Leonard Wood, Mo. (Place of Birth)	1972 – 1974

INTERESTS

Aviation, auto mechanics, BBQ, beach, beer brewing, biking (BMX, mountain and road), birding, canoe & kayak, collecting playing cards, comic books, fishing, charcoal grilling, guitar, hiking, NHL, running (5K, 10K and half marathon – no speedster here), skateboarding, snowboarding, soccer, swimming, traveling, and woodworking.