**Presenter Biographies**
(listed alphabetically by last name)

**David Alvarez**
David Alvarez is a phase manager for Woolpert Inc. in Columbus, OH. David concentrations are in data management, quality control (QC), data collection, geospatial analysis, cartography and LiDAR with specific emphasis in hydrology, environmental management plans and urban infrastructure. David also serves as the GIS Division Director for the American Society for Photogrammetry and Remote Sensing (ASPRS).

**Kent Anness**
Kent Anness is the GIS Manager for the Kentucky Division of Geographic Information in Kentucky State Government. He has a bachelor’s degree in Geography from the University of Kentucky and has been working with GIS for over two decades.

**Ken Bailey**
Ken Bailey, GISP has worked at LOJIC for the last eighteen years. Has had a passion for wilderness areas and spends most of his free time mapping and photographing caves. He is currently the president of the Kentucky Karst Conservancy (KKC) which is working to purchase and protect Big Bat Cave.

**Kayla Barnowsky**
Kayla Barnowsky graduated from the University of North Alabama with a Bachelor of Science degree in Geography and a certification in GIS. In her studies she developed skills in GIS, map and interpretation, remote sensing, and aerial photography. She began working at GeoCue Group as a Business Development Associate in November of 2012. Working at GeoCue, she has gained additional knowledge of LIDAR and how extremely beneficial LIDAR can be to the GIS industry.

**Joe Barrows**
Joe Barrows was appointed by Governor Beshear as the Executive Director of the CMRS Board in July 2009. Joe, an attorney from Versailles, served 27 years in the General Assembly as the State Representative from Woodford County. He served 10 years as the Majority Whip and in 1998 sponsored HB 673 which created the CMRS Board and established its mission. In 2006, Joe sponsored HB 656 at the request of the CMRS Board and KENA/APCO which updated the original legislation and created the CMRS Grant Fund. KENA/APCO recognized Joe Barrows for a career of legislative contributions to the 911 community.
Matthew Basanta
Matthew Basanta is an Application Developer who has worked at Stantec for five years. He is based out of the company's Lexington office and specializes in custom application development and GIS analysis. He has been involved in numerous web and desktop development projects and attempts to focus his development around an agile development cycle.

Rachel Bello
Rachel Bello has over 17 years of public safety experience including PSAP Operations and IT Management, GIS, and consulting. She serves on the National Emergency Number Association’s Development Steering Council as Core Services Co-Chair. She has served on both the North Carolina 911 Board Next Generation 911 Committee and Study Committees. She is currently working on several state and regional NG9-1-1 deployments. She obtained her BS in Geography, and BS in Community and Regional Planning from Appalachian State University.

Jerry Biedenbender
Jerry Biedenbender is the GIS coordinator at SD1 in Northern Kentucky. A 2007 NKU graduate with a degree in geography. His Article on I&I was Published in the Winter 2012/2013 issue of the Esri News for Water & Wastewater. In 2013 he achieved his GISP.

Trisha Brush
Trisha Brush, GISP is the Director of GIS for the Northern Kentucky Area Planning Commission (NKAPC)/ Link-GIS partnership and has been there for 12 years. Trisha has 17 years of experience in GIS. Trisha previously worked for Miami County, Kansas where she was their GIS Coordinator for five years and built their GIS from the ground up. She has a bachelor’s degree from the University of Cincinnati in Geography and a MBA from Baker University in Kansas. Trisha is a member of KAM, URISA, and she also is Past President and founder of the Kentucky Association of Mapping Professionals (KAMP).

Michael Busby
GIS professional; Geography educator; Online educator; STEM promoter; Esri Murray State campus rep; Murray State faculty and staff; MAKE and Makerspace Advocate; dog pack leader; Read/Write/Think. All Opinions Mine.

Joe Busemeyer
Joe Busemeyer has worked in the GIS field since 2004 and with LINK-GIS/PDS since 2007. Joe's primary responsibilities with LINK-GIS/PDS include customizing ArcMAP, programming web applications, and custom mapping. Joe also works with city administratos and emergency management administrators in Northern Kentucky to meet their GIS needs. Joe previously worked for FMSM Engineers, Inc. (now Stantec) where he developed Digital Flood Insurance
Rate Maps (DFIRMs), for FEMA among other various projects. Joe earned his Master of Arts in Geography, from the University of Cincinnati. Joe is a member of the Kentucky Association of Mapping Professionals (KAMP) and serves on the Publication Committee. Joe is currently serving as Vice-Chair of the LINK-GIS Technical Committee. Joe was also Chair of the Cincy Area GIS User Group in 2010.

**Mike Callahan**
Mike Callahan is a Hydrologist for the National Weather Service in Louisville. His career in the NWS spans 36 years. He has been programming in Python since 2001 and lately has been writing scripts to automate the routine generation of maps for various weather parameters.

**Josh Cammack**
Josh Cammack, LTI Grad, Assc. Mechanical Engineering & Architectural Engineering Degrees with CAD concentration. Been with the City of Bardstown for just over 11 years as the GIS/Mapping department.

**Kevin Cary**
Kevin teaches undergraduate and graduate courses in GIS and spatial statistics for the Department of Geography and Geology at WKU and has served and continues to serve on GIS-based master’s thesis committees. He is also the GIS Director at WKU’s Center for GIS and WKU’s Esri Campus Site License Administrator. He’s been a certified GIS Professional since 2005 and also a reviewer of GISP applications for GISCI since 2008. He was first introduced to GIS in 1993 and has a bachelor’s degree in mathematics and a master’s degree in geography. Prior to coming back to academia in 2002, he had practical GIS experience in local government.

**Haluk Cetin**
Dr. Haluk Cetin is a Professor in the Department of Geosciences of Murray State University, Director of Hyperspectral Lab and a Research Associate at the Mid-America Remote Sensing Center (MARC). He started serving as Director of KentuckyView in October 2013. He is currently National Director of the American Society for Photogrammetry and Remote Sensing (ASPRS) Mid-South Region and the Faculty Advisor for Murray State University Student Chapter of ASPRS.

**David Chan**
David Chan has been working with the USDA-NRCS since January 2014 as a GIS Specialist, helping provide GIS support for NRCS field personnel. A Kentucky native, he holds a BS in Environmental Science from the University of Notre Dame and an MS in Natural Resources from the University of Arizona.
Ryan Cooper
Hailing from Brownsburg, Indiana, Ryan Cooper has BAs in Geography and German from Ball State University and an MA in Geography from the University of Kentucky. His interests are situated at the intersection of open source mapping technology, local governance, and place.

Steve Crabtree
Steve Crabtree, a graduate of the University of Kentucky, has been working for the USDA-Natural Resources Conservation Service for over 35 years and has served as the State GIS Coordinator for Kentucky since 1994. He is responsible for the implementation and support of GIS technology for NRCS throughout Kentucky.

Doug Curl
Doug Curl is currently the Section Head of the Kentucky Geological Survey Geologic Information Section where he has been employed for the past 16 years. He has an MS in geology from the University of Tennessee, and a BA in geology from Guilford College.

Scott Dickison
Scott Dickison is the lead GIS developer for the GIS Branch of the Kentucky Transportation Cabinet. He graduated from the University of Kentucky in 1996 with a degree in Geography and has almost 18 years of experience in GIS where he’s been employed in both the public and private sectors.

Scott Dobler
Scott Dobler has been employed as a geographer at Western Kentucky University since 2000. He received his undergraduate degree at Morehead State University and a MS at Bowling Green State University. He has served as The State Geographer for the Commonwealth of Kentucky and is currently a co-coordinator for the Kentucky Geographic Alliance. He is also serves as the chair for the Kentucky Geographic Names Committee.

Doug Eades
As Systems Integration Manager for KYEM, Doug Eades doesn’t see himself as a GIS professional, but fully understands the real world application of mapping in crisis situations. Doug’s goal is to break down the silos of information to deliver information to those who need it before, during and after a disaster.

Tom East
Tom East has been with LINK-GIS/PDSKC for 24 years, with 37 years of GIS experience at the federal, state and local levels. He currently serves as the KAMP’s treasurer. He earned his BS in Computer Science from Mississippi State University and began his career with the Corps of
Engineers at the Waterways Experiment Station in Vicksburg, MS, followed by working for MARIS, the Mississippi Automated Resource Information System, one of the earliest statewide GIS programs in the nation. Tom is an enthusiastic amateur astronomer and volunteers at the Cincinnati Observatory Center, the birthplace of American astronomy.

**Sarah Ehresman**
Sarah Ehresman is a Research Manager at the Kentucky State Data Center and a graduate student in the Department of Urban and Public Affairs at the University of Louisville.

**Michelle Ellington**
Michelle Ellington serves as the GIS Coordinator for Facilities Information Services (FIS). She manages four areas within FIS: GIS, CAD, Facilities Analysis, and the Facilities Library. These areas have been brought together to provide a synergy of more efficient exchange and analysis of facilities information. Michelle manages and continues to expand a data-rich geospatial library used for a variety of needs including campus planning and analysis, Master Planning, space reporting, asset management, and wayfinding. Data is published through custom designed web and mobile solutions that utilize modern and innovative graphical mapping techniques.

**Christine Emrich**
Dr. Christine Emrich is an Associate Professor of Geography and the Institute for Regional Analysis and Public Policy at Morehead State University. Dr. Christine Emrich, SPA, served as Director of KentuckyView between 2004 and September 2013.

**Charlie Fitzpatrick**
Charlie Fitzpatrick has been an Education Industry Manager for Esri since 1992, focusing on the use of GIS in K-12 school instruction. Before that he taught social studies in grades 7-12 (mostly 8th grade geography) for 15 years in Minnesota. When not at work he is probably playing with maps and computers or taking pictures of fish on coral reefs.

**Robert W. Forbes**
Bob has been employed by the University of Louisville since 1992 and is the present Director for the University of Louisville’s Center for Geographic Information Sciences, located within the Geography and Geosciences Dept. For these past 22 years, Bob has provided GIS course instruction for faculty, staff and students at the University of Louisville. Bob is also a part time lecturer at Bellarmine University. In addition, Bob works closely with other departments, colleges and schools integrating GIS into funded research as well as putting together the occasional “quickie” map. He is the Esri- Kentucky Council on Post-secondary education GIS software liaison for UofL and Bellarmine University.
**Christina Gnadinger**
Christina Gnadinger is an Applications Developer / Analyst for the Louisville Water Company. With more than decade of experience in GIS her recent role involves Oracle SOA development, including synchronizing and integrating GIS with Oracle business systems.

**Eric Green**
Eric Green received his Bachelor’s and Master’s Degrees in Civil Engineering at UK. He is a research engineer at the Kentucky Transportation Center. He is a licensed professional engineer in the state of Kentucky and GISP. He is currently in pursuit of his PhD. He started the software company Pin3.

**Jordan Hamm**
Jordan Hamm works as a GIS Analyst for SD1, a waste water / storm water utility in Northern Kentucky. He has been with SD1 for over 15 years, all of which has been spent in the GIS department.

**Carol Hanley**
Dr. Carol Hanley has worked as a science educator for 30 years. Currently, she serves as director of the Office of Environmental Programs – Outreach Services in the College of Agriculture, Food and Environments. In 2001, she came to the University of Kentucky as an extension specialist in 4-H youth development with responsibilities in statewide programming and extension agent development. From 2005 - 2012, she was the Director of Education and Communications at the Tracy Farmer Institute for Sustainability and the Environment, conducting professional development programs for teachers, environmental programs for students, outreach for community members, and supports UK faculty in research efforts. In 2007, Dr. Hanley and her team received a $1.2 million grant from NSF to conduct community-based science projects using GIS, remote sensing and 3-D modeling technology. In 2012, Dr. Hanley was awarded the Kentucky Science Teachers Association Distinguished Educator of the Year Award; Bluegrass Tomorrow, Robert Clay President’s Award and United Way of the Bluegrass, Excellence in Education Award.

**Timothy Hare**
Dr. Timothy S. Hare, Associate Professor of Anthropology in the Institute for Regional Analysis and Public Policy (IRAPP) is a part of the School of Public Affairs in the College of business and Public Affairs at Morehead State University. He teaches courses in anthropology, globalization, social theory, regional analysis, geographical information systems, and economic geography. He uses quantitative geographical analysis techniques, especially spatial statistics, to investigate transformations in systems of political economy, public health, and development. His current archaeological work focuses on exploring the urban organization and transformation of ancient
Mayápan. His current development research focuses on unraveling the social, political, economic, and cultural factors influencing health and justice topics in Kentucky and central Appalachia.

**Louis Hill**

Louis Hill has over 13 years of GIS experience and has been with the Boone County Planning Commission for 10 years. Louis received his Bachelor's degree in Urban Planning from Ball State University in 2001 and his Master's degree in Information and Communication Sciences from Ball State University in 2002. Louis manages user support and special GIS projects for the member agencies. He received his GISP certification in November 2008.

**Will Holmes**

Will Holmes is the GIS Branch Manager for the Office of IT at KYTC and has 18+ years of GIS experience. His GIS projects include areas like archaeology, economic development and transportation. He has a Masters and some PhD work from the University of Kentucky.

**Sung-ho Hong**

Dr. Sung-ho Hong is an Assistant Professor in the Department of Geosciences, Murray State University. His current research focuses on remote sensing and GIS, hydrogeology and specifically on estimation of the spatio-temporal distribution of energy balance components and soil moisture from various satellite images under a wide range of conditions.

**Marlin Howard**

Chief Marlin Howard, Fire Chief for City of Bardstown/Nelson County Volunteer Fire Dept. 18+ years’ experience as firefighter.

**F. Tyler Huffman**

Dr. F. Tyler Huffman graduated from the University of Kentucky with a bachelor’s degree in geography in 1996. Tyler continued on to earn his master’s degree in geography and certificate in GIS from the University of Connecticut in 2000. He then went on to work for Thompson Associates, the leading retail site location firm in the country. After two years, he returned to the University of Connecticut in order to pursue his PhD in geography. Tyler joined the Department of Geography, now Geography & Geology, at Eastern Kentucky University in 2006. He is the primary instructor for the Department’s intro and advanced GIS courses plus courses such as the Global Positioning System and GIS, GIS for Homeland Security and Urban GIS.

**Ben Hughes**

Ben Hughes graduated from Western Kentucky University in 2006 with a GIS certification and a B.S. in Geography. Ben worked at the Jefferson County PVA for 4 years performing parcel
maintenance and analysis of comparison neighborhoods. Ben is currently the senior GIS professional at FBI Louisville.

**Anne Jeffers**
Anne Jeffers is a Geographer with the US Census Bureau. She has been with the Census Bureau's Philadelphia Regional Office over 25 years. For most of those 25 years, she has worked a wide range of census geographic programs as well as ongoing surveys.

**Carey Johnson**
Carey Johnson is the CTP Program Manager for the Kentucky Division of Water (KDOH). He has overseen flood map updates for all counties in KY and is leading Risk MAP efforts for the Commonwealth. Prior to being CTP Program Manager, Carey was the state NFIP Coordinator for 3 years.

**Andrew Kellie**
Andrew Kellie is Professor Emeritus at Murray State University. He is a licensed surveyor in Kentucky and Virginia. Professor Kellie also has taught surveying at the Department of Civil Engineering, Virginia Tech, and the School of Engineering, University of Southern Queensland, Australia. His primary research interest is in 3D modeling.

**Larisa Kruger**
Larisa Kruger is an OSU Enterprise GIS Manager

**Jennifer Kuntz**
Jennifer Kuntz is a Solution Engineer at the Esri regional office in St. Louis, Missouri and has held various roles during her 23 years with Esri. She works with state and local governments to help them find the best GIS workflows to meet their needs.

**Tom Maggard**
Tom Maggard is a Senior Technician who provides GIS analysis and support for the City of Greenwood. He has 9 years’ experience in GIS, focusing on asset management and Stormwater. He has previously presented at the Indiana GIS, INAFSM, and Kentucky GIS Conferences.

**Andrew McKinney**
Andrew McKinney is the Mobile GIS Lead for the Office of Information Technology's GIS Support Services Branch. He has over 7 years of GIS experience in the public and not-for-profit sectors. He holds a bachelor’s degree from the University of Louisville in Geography and Geosciences with a concentration in GIS.
Laura Moore
Ms. Laura Moore teaches GIS Career and Technology Education for Jefferson County Public Schools. Since 1994, her career has included: Louisville Metro Public Works, Greene Horne & O’Mara, Inc., Lexington-Fayette Urban County Government, and GRW, Inc. A re-certified GISP, she is a current member of the GISCI Ethics Panel and a member of the KAMP Education Committee. Ms. Moore is the first Kentucky teacher to be selected to participate in the Esri’s 2014 T3G Institute.

Lance Morris
Lance holds a Master of Science degree in Geography from Murray State University, a Bachelor of Science Degree in Geosciences from Murray State University, and an Associate of Science degree in Petroleum Technology from Lincoln Trail Community College. Lance currently serves on the KAMP Education and Professional Development committee member, and the Awards committee, and is running for the 2014-2015 KAMP President elect office. Lance has been serving the public at the City of Owensboro and Daviess County GIS, for 13 years; he is an active committee member for the Green River Downs Syndrome Association, and loves to play Golf.

David Nail
David Nail is the USGS Geospatial Liaison to Indiana and Kentucky. He has over 25 years of service with the USGS and previously worked with the National Hydrography Data (NHD) program for 10 years as a project manager and production supervisor. David received his BS in Geology from Missouri State University.

Eric O’Neal
Eric O’Neal is a professional GIS Applications Developer with the Louisville Water Company, specializing in the Esri suite of products and APIs. He has been developing GIS applications for 10 years and holds a Master’s degree from the University of Louisville.

Andrew Oakley
Andrew Oakley is a 2008 graduate of the University of Kentucky Landscape Architecture Program. He is the lead GIS analyst as well as the IT manager for Carrollton Utilities. His focus for the past 2 years has been integration of GIS into the daily workflow of each company department via paperless technology.

Christy Powell
Christy has been in the GIS field since 1994 and with LINK-GIS/PDS since 1996. Christy’s primary responsibilities are programming and web development. Christy holds a Master of Science in Geosciences with an emphasis on Geographic Information Systems and Remote Sensing from
Murray State University. She is also a past President of the Kentucky Association of Mapping Professionals (KAMP).

**Cindy Rice**
Cindy Rice, student KYSU, working 2nd BS Agriculture, prev BS Computer Science, worked Emergency Management/CSEPP, GIS & other computer work; interest weather change in agriculture and using technology to manage land/livestock in sustainable environment short and long term for permaculture solutions adapting to various climate scenarios; plan MS Environmental Science

**Eric Rodenberg**
Eric Rodenberg is a Solution Engineer and has been with Esri for 12 years. Eric specializes in designing ArcGIS platform deployments and implementing efficient GIS workflows. Eric is a graduate of Wittenberg University. When not working, Eric enjoys traveling with family, playing sports and following his Wittenberg Tiger football team.

**Ruth Rowles**
Ruth Rowles has been working with GIS at the Public Service Commission since 1998. She has degrees in geography from Clark University, the University of Wisconsin at Madison, and the University of Kentucky.

**Matt Ruther**
Matt Ruther is the Director of the Kentucky State Data Center and an Assistant Professor in the Department of Urban and Public Affairs at the University of Louisville.

**Jeremy Sandifer**
Jeremy Sandifer is currently pursuing a M.Sc. in Applied Geography at the University of Louisville. He currently serves as a course instructor and research assistant for the Department of Geography and Geosciences at the University of Louisville and serves on the Education and Professional Development Committee for the Kentucky Association of Mapping Professionals (KAMP) with a focus on facilitating the empowerment of young citizen scientists through exposure to geo-spatial technology and open source data. His current research efforts involve the use of GIS and remote sensing for the observation and modeling of the urban heat island (UHI) in Jefferson County, Kentucky. Jeremy is a dedicated husband and father of two beautiful daughters, Abigail and Cassidy, both of which, he hopes, decide to pursue similar fields of intellectual inquiry.

**Jeff Sebulsky**
Jeff is a Kentucky transplant, originally from the Pittsburgh area. After completing his Masters work at Marshall University, he relocated to the Lexington area to teach high school social
Taking his classroom experience with him, Jeff served as a district Technology Integration Specialist before leading district-wide educational technology initiatives as the Chief Information Officer/District Technology Director for Clark County Public Schools in Winchester, Kentucky. Since 2013, Jeff serves as the State Coordinator for the Kentucky Department of Education’s Student Technology Leadership Program (STLP), which uses project-based learning principles to empower student learning and achievement through the utilization (and creation) of technology based solutions to school and community needs. Students create projects, products or services to meet those needs and then demonstrate what they’ve learned through the various STLP categories including Geospatial Literacy and Map Making. The best projects, products and services are invited to compete at the STLP State Championship each spring — and event which drew 7000 participants in 2014.

**Ben Shinabery**

Ben Shinabery is a land survey project manager at Qk4, Inc. where he specializes in digital terrain modeling, subsurface utility location, and 3D Laser Scanning. His survey experience includes field work in Michigan, Indiana, Kentucky, Tennessee, Alabama, and Florida. In his spare time, he enjoys cycling, golf, woodworking, and collecting historic maps and axes.

**Spencer Taylor**

Mr. Spencer Taylor is a senior student of Computer Science at Northern Kentucky University.

**L. Michael Trapasso**

L. Michael Trapasso, Ph.D. is Professor Emeritus in the Department of Geography and Geology at Western Kentucky University. He has taught meteorology, climatology, and physical geography courses, and is Curator of the College Heights Weather Instrument Museum. Through his research of the Civil War in Bowling Green he is considered a local historian.

**Hongmei Wang**

Dr. Hongmei Wang is an associate professor of Computer Science at Northern Kentucky University. She received her Ph. D in Information Sciences and Technology from Pennsylvania State University in 2007. Her research interests include Human Computer Interaction in GIS and applications of GIS and remote sensing.

**Keith Wethington**

Keith Wethington has been with the Kentucky Dept. of Fish & Wildlife Resources since 1996. He has served in present position as a Wildlife Program Coordinator for the KY Fish & Wildlife Information System since 1998. Responsible for implementation of GIS and development of species distribution database and creating maps for over 100 public hunting areas. Co-Principal

**Austin Williams**
Austin Williams is a senior year majoring in GIScience at WKU. He co-founded the WKU GIScience student Club last year and is serving as the club's Vice President. Since May, he has been a GIS intern with WKU's Planning, Design and Construction.

**Todd Williams**
Todd Williams, Vice Pres. Dir. Public Safety Solutions, MapSync Co. Assoc. Architecture UK. 20+ years’ experience in GIS, Engineering, Surveying, and Architectural fields. GIS solution implementation, training, consulting, and development.

**Amanda Witbeck**
Amanda Witbeck is a Geospatial Systems Specialist for UK Facilities Information Services. She designs and develops a variety of map products for multiple university areas including Parking and Transportation, Public Relations, Facilities Management, and numerous academic areas. Amanda serves as the FIS cartographic lead and has streamlined map production through implementing Lean practices.

**Sara Yurman**
Sara Yurman, GISP, is a founding partner in Spatial Focus, Inc, a consulting firm specializing in addressing and spatial data. In that capacity she has worked nationally and internationally, handling projects in locations as diverse as Little Rock, Arkansas, Bandah Aceh, Indonesia and Zrenjanin, Serbia. Sara is a member of the Address Standard Working Group, chairing the Quality Control section of the FGDC Address Standard. Prior to the Spatial Focus startup, Sara served as a GIS Manager for local, regional and state governments. She has been a URISA member throughout her career, currently serving on the board of Georgia URISA.

**Demetrio Zourarakis**
Demetrio Zourarakis serves as GIS and remote sensing analyst with the Kentucky Division of Geographic Information; his duties include data processing and information analysis, as well as outreach and agency consultation and coordination. He holds GISP (GISCI) and Certified Mapping Scientist (ASPRS) – Remote Sensing and GIS/LIS, certifications and re-certifications.