

# University of Kentucky GIS Day

## ~ Agenda ~

November 17, 2011

### UK STUDENT CENTER

#### EVENT OVERVIEW

- 9:00 AM **GIS Day Begins**
- 9:30 AM- 10:00 AM **Welcome and Keynote Speaker**, Laxmi Ramasubramanian, UCGIS President-Elect - *(Rm. 305A Small Ballroom)*
- 10:05 AM- 10:25 AM **GIS Day Proclamation**, Mayor Jim Gray, Lexington-Fayette County Urban Government - *(Rm. 305A Small Ballroom)*
- 10:30 AM- 10:50 AM **What is GIS: An Introduction**, Kentucky Association of Mapping Professionals (KAMP) - *(Rm. 305A Small Ballroom)*
- 9:00 AM - 4:30 PM **Sessions/Activities In Progress** - *(see agenda pgs. 2-4)*, *(Note: Medicine & Public Health Track runs until 4:45 PM)*

#### EVENT SCHEDULE

- 9:00 AM- 12:00 PM **GPS Workshop**, (College of Ag Environmental and Natural Resources Initiative & Tracy Farmer Institute for Sustainability & the Environment) - *(Rm. 313 Whitehall Classroom Building)*
- 9:00 AM- 4:00 PM **Mobile LiDAR System Exhibit**, Electrical and Computer Engineering - *(Administration Drive)*
- 11:00 AM- 4:00 PM **Learning Tracks** - *(see agenda pg. 2)*
- 11:30 AM- 4:00 PM **Lightning Talks** - *(see agenda pg. 3)*
- 11:00 AM- 3:00 PM **Poster Sessions** - *(see agenda pg. 4)*
- 11:30 AM- 1:00 PM **Geo-Jeopardy**, Geography Department - *(Rm. 305 Grand Ballroom)*
- 2:00 PM - 3:00 PM **Geo-Trivia**, Kentucky Transportation Center - *(Rm. 305 Grand Ballroom)*
- 4:30 PM **GIS Day Giveaways & Wrap Up** - *(Rm. 305 Grand Ballroom)*

Special thanks to Campus Services, Parking & Transportation, Auxiliary Services, Follett's Bookstore, Center for Computational Sciences, College of Arts and Sciences, and the UK Geospatial and Science Technology Group for their support with this event.



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# LEARNING TRACKS & SESSIONS

	CAREER BUILDING	TECHNICAL DEVELOPMENT	PUBLIC SAFETY	GIS EXPLORATION	APPLIED GIS	MEDICAL & PUBLIC HEALTH				
	Student Center, Rm. 249	Student Center, Rm. 206	Student Center, Center Theatre (212)	Student Center, Rm. 228	Student Center, Rm. 230	Worsham Theatre / Rm. 211 (AM only)				
11:00-11:20AM	No Sessions	ArcGIS Server 10 and Flex 4 Capabilities <i>(39 Degrees North)</i>	No Sessions	Exploring GIS in Public Digital Humanities <i>(UK Geography)</i>	Planning and Urban Design with GIS <i>(Urban Collage)</i>	<b>GIS &amp; Community Health Session (Rm. 211)</b> 11:00 - Introduction 11:05 - Using GPS & GIS Technologies to Characterize Relationships Among Travel Behavior, Food Accessibility, & Health 11:25 - Utilizing GIS in Public Health Gerontology Research				
11:30 - 11:50AM		No Session		Expand Your CAD Skillset: CAD & GIS Integration Using AutoCAD Geospatial Tools <i>(Autodesk)</i>	No Session	No Session	No Session			
12:00 - 12:20PM				No Session				No Session	No Session	No Session
12:30 - 12:50PM										
1:00 - 1:20PM	No Session	No Session	No Session	No Session	No Session					
1:30 - 1:50PM						No Session	No Session	No Session	No Session	No Session
2:00 - 2:20PM	No Session	No Session	No Session	No Session	No Session					
2:30 - 2:50PM						No Session	No Session	No Session	No Session	No Session
3:00 - 3:20PM	No Session	No Session	No Session	No Session	No Session					
3:30 - 3:50PM						No Session	No Session	No Session	No Session	No Session
4:00 - 4:30PM	No Session	No Session	No Session	No Session	No Session					
4:45PM						No Session	No Session	No Session	No Session	No Session
1:00 - 1:20PM	No Session	No Session	No Session	No Session	No Session					
1:30 - 1:50PM						No Session	No Session	No Session	No Session	No Session
2:00 - 2:20PM	No Session	No Session	No Session	No Session	No Session					
2:30 - 2:50PM						No Session	No Session	No Session	No Session	No Session
3:00 - 3:20PM	No Session	No Session	No Session	No Session	No Session					
3:30 - 3:50PM						No Session	No Session	No Session	No Session	No Session
4:00 - 4:30PM	No Session	No Session	No Session	No Session	No Session					
4:45PM						No Session	No Session	No Session	No Session	No Session

## LIGHTNING TALKS - Rm. 305A (Small Ballroom)

TIME	PRESENTER	TITLE
11:30 AM - 11:37 AM	Bluegrass Community & Technical College (BCTC)	The Certificate in Geographic Information Systems Technology at BCTC
11:40 AM - 11:47 AM	Jefferson Community and Technical College	Discussion of GIS programs at Jefferson Community and Technical College
11:50 AM - 11:57 AM	Murray State University	Esri Business Analyst and Community Analyst Tools
12:00 PM - 12:07 PM		Explore Your World: Murray State University's GIS Initiatives
12:10 PM - 12:17 PM	SD1	Saving Time and Improving Efficiencies with ArcGIS Server
12:20 PM - 12:27 PM	Lexington Downtown Development Authority	Interactive Downtown Marketing
12:30 PM - 12:37 PM	UK Geography	How Cities Modify Their Weather: Mapping Cloud-to-Ground Lightning in Atlanta, Georgia
12:40 PM - 12:47 PM		Physiographic Mapping of Forest Biomass in the Eastern U.S.
12:50 PM - 12:57 PM		Political Ecology of Kentucky Coalfields
BREAK		BREAK
1:10 PM - 1:17 PM		Visualizing Demographic Characteristics of the SunRail Commuter Shed in Orlando, Florida
1:20 PM - 1:27 PM		Mapping Flickr Photos
1:30 PM - 1:37 PM	UK Anthropology	Mapping the Socially Differentiated Effects of Changing Forest Cover in Zambia
1:40 PM - 1:47 PM	UK Geography	Crossed By the Border: A Historical Geography of the US/Mexico Borderlands
1:50 PM - 1:57 PM		Geographies of the World's Knowledge
2:00 PM - 2:07 PM		Geography of the Meth Epidemic
2:10 PM - 2:17 PM		Geocoding Historic Photos in Downtown Lexington
2:20 PM - 2:27 PM		Crowdsourced data and the Underground Marijuana Economy
2:30 PM - 2:37 PM		Introducing The New Mappings Collaboratory
2:40 PM - 2:47 PM		GIS and Redistricting Tools
2:50 PM - 2:57 PM		GIS: It's Out There
3:00 PM - 3:07 PM		The UK Geographical Society
3:10 PM - 3:17 PM		UK Geospatial Technology Group (GST)
3:20 PM - 3:27 PM	UK Landscape Architecture	Landscape Architecture: The Geospatial Intersection of Teaching, Research, and Outreach
3:30 PM - 3:37 PM	Kentucky Geological Survey (KGS)	Creating Dynamic Thematic Maps: Natural Breaks Classification with ArcGIS Javascript API
3:40 PM - 3:47 PM		Accessing Kentucky Vector and Raster Data Using ESRI Layerfiles
3:50 PM - 3:57 PM	UK Electrical and Computer Engineering	Aerial Sensor Platforms for High Altitude Balloon and Blimp Systems



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<b>POSTER SESSIONS</b> - Rm. 305, (Grand Ballroom)	
<b>PRESENTER</b>	<b>TITLE</b>
<b>11:00 AM - 12:00 PM</b>	
KY Transportation Center (KTC), College of Engineering	Archaeological Site Predictive Modeling Using an Expert Fuzzy Inference System
	Asset Management Web Application: I-65 Pipe Inspection Inventory
Bluegrass Area Development District (BGADD)	District Water System Mapping: Parksville Water District 2010
	Proposed Trails w/in Jessamine Parks and Rec
<b>12:00 PM - 1:00 PM</b>	
KY Transportation Center (KTC), Geography	Habitat Suitability Modeling for Threatened and Endangered Species - Case Study: Blackside Dace
KY Transportation Center (KTC), College of Engineering	Fedtrak - TSA Tier 1 Highway Security Sensitive Material Shipment Tracking
	Conflation of Disparate Transportation Networks
<b>1:00 PM - 2:00 PM</b>	
UK Landscape Architecture	Landscape Architecture: The Geospatial Intersection of Teaching, Research, and Outreach
	Cloud Computing and Web 2.0 Mapping Technologies for Disseminating Land Use Planning Information
UK Plant and Soil Sciences	GIS and Terrain Analysis for Sizing Vegetative Filters Around Grassed Waterways and Streams in Agricultural Landscapes
	On-the-Go pH Sensor: Field Evaluations in Kentucky
UK Horticulture	Global Bioenergy Potential from High-Lignin Agricultural Residue
<b>2:00 PM - 3:00 PM</b>	
UK Geography	Scale-dependent Predictability of DEM-based Landform Attributes for Soil Spatial Variabilities
UK Biology	HIV-Malaria Co-Infection: Effects of Malaria on the Prevalence of HIV in East Sub-Saharan Africa
Kentucky Geological Survey (KGS)	Web-based GIS Applications for Visualizing Geologic and Hydrologic Data in Kentucky



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