GISday

Lightning Talks

Washington University
Umrath Lounge
November 19th, 1pm-4:30pm

Data & GIS Services

Time	What	Who	Topic	Field
1:00	Intro 1	Aaron Addison		
1:10	Lecture	Derek Hoeferlin	GIS for Multi-Disciplinary Workshops	Architecture
1:30	LT	Tim Walter	Project work is focusing on mobility patterns of a random sample (n=~600) from Nashville, TN. Using GPS and Accelerometry data we are seeking to (1) identify physical activity patterns (2) improve greenway access (3) plan for future transportation/economic development within an 11 county region.	SW
1:38	LT	Tabea Linhard	Geographies of Border Crossing	IAS
1:46	LT	Luis O. Rivera-Gonzalez	Air Pollution Exposure Assessment Methods	EECE
1:54	LT	Jay Turner	Ulaanbaatar, Mongolia, is consistently ranked among the ten most polluted cities in the world for ambient particulate matter. The dominant emissions source is residential heating using coal, and the U.S. government has recently funded the replacement of more than 106,000 (>50%) of residential heating stoves with more efficient models. An impact assessment of the program was conducted using a household survey (n>1000), stove in-use emissions testing (n>100), air quality modeling, human exposure estimation, and health impact modeling. GIS was extensively used to conduct the air quality modeling which will be the focus of this presentation.	EECE
2:01	Break			
2:15	Intro 2	Aaron Addison		
2:20	LT	Mark Hogrebe	Poverty, Mobility, and Education Relationship Differences Across School Districts Analyzed with Spatial Mapping	Education
2:28	LT	Dale Kretz & Ethan Bennett	Creating a federal government	History
2:36	LT	Edward	Mapping Waterscapes and Ancient Mounds in Kentucky.	Archaeology

Washington University in St. Louis
University Libraries

		Henry		
2:44	LT	Bob Osburn	Using GIS to compile Geologic Maps	EPS
2:52		Julianne Sefko	Trials and tribulations to geocoding rural routes	Medicine
3:00	Break			
3:15	Intro 3	Aaron Addison		
3:20	Lecture	John Kelly	Redefining Cahokia's Spatial Dimensions	Archaeology
3:40	LT	Anupam Basu	Mapping Criminality in Early Modern London	IPH
3:48	LT	Alex Rivas	Analyzing Ancient Maya Causeways using GIS and Least-Cost Paths	Archaeology
3:56	LT	Karen DeMatteo	Carnivore conservation in Misiones, Argentina	Environmental Studies/Biology
4:04	LT	Michael Frachetti	Cities globally are considered containers of activity, within which intensive interaction and proximity generate epicenters and nodes of social networks. But are there cities with different form and alternative ways of shaping social interaction? In this paper we apply GIS to understand and model cities where epicenters of interaction are 'edgy', modular, and temporary. Comparative cases and a new Silk Road urban center are presented to illustrate an alternative model of urbanism.	Archaeology