



## AAG Annual Meeting

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### Paper Session:

#### 4473 Spatial Epidemiology VI: spatial modeling

is scheduled on Friday, 4/11/2014, from 12:40 PM - 2:20 PM in Meeting Room 6, Marriott, Second Floor

#### Sponsorship(s):

Health and Medical Geography Specialty Group  
 Spatial Analysis and Modeling Specialty Group  
 Geographic Information Science and Systems Specialty Group

#### Organizer(s):

[Eric Delmelle](#) - UNC-Charlotte  
[Tijs Neutens](#) - Ghent University

#### Chair(s):

Xun Shi - Dartmouth College

#### Abstract(s):

**12:40 PM Author(s):** \*Timothy C Matisziw - University of Missouri - Columbia  
 Charles H Nilon - University of Missouri - Columbia  
 Sonja Wilhelm-Stanis - University of Missouri - Columbia  
 Joseph LeMaster - Kansas State University  
 Jane A McElroy - University of Missouri - Columbia  
 Stephen P. Sayers - University of Missouri - Columbia

Abstract Title: *Exploring Spatio-temporal Relationships between Physical Activity the Urban Environment*

**1:00 PM Author(s):** \*Meifang Li - Sun Yat-sen University  
 Xia Li - Sun Yat-sen University  
 Xun Shi - Dartmouth University  
 Xiaoping Liu - Sun Yat-sen University

Abstract Title: *Spatial variation and temporal dynamics of incidence and mortality of common cancers in China during 2003-2009*

**1:20 PM Author(s):** \*Christian Schuster - Humboldt-Universität zu Berlin  
 Tobia Lakes - Humboldt Universität zu Berlin

Abstract Title: *Spatial patterns of heat stress and risk factors in Berlin*

**1:40 PM Author(s):** \*Xun Shi, Ph.D. - Dartmouth College  
 Elijah Stommel, MD - Geisel School of Medicine at Dartmouth  
 Tracie A. Caller, MD - Geisel School of Medicine at Dartmouth  
 Dongmei Wang, MS - Department of Geography, Dartmouth College  
 Dominic L. Filiano - Geisel School of Medicine at Dartmouth  
 Walter Bradley, MD - University of Miami/Miller School of Medicine

Abstract Title: *Detecting spatial association between ALS disease and cyanobacteria in water bodies in Florida*

**2:00 PM Author(s):** \*Alemayehu A. Midekisa - Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, Brookings, SD, USA  
 Michael C. Wimberly - Geospatial Sciences Center of Excellence (GSCE), South Dakota

State University, Brookings, SD, USA  
Gabriel B. Senay - US Geological Survey Earth Resources Observation and Science  
(EROS) Center, Sioux Falls, SD, USA

Abstract Title: *Mapping Wetland Habitats for Malaria Vectors using Multi-Sensor  
Satellite Observations*

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**Session Description:** Six sessions around the theme of spatial and spatiotemporal epidemiology are organized at the 2014 AAG Annual Meeting in Tampa, Florida (April 8-12). Sessions focus on the development of spatial and spatiotemporal methodology to answer fundamental epidemiological questions.

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