



## AAG Annual Meeting

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### Paper Session:

#### 2227 CyberGIS Symposium: CyberGIS Foundations and Principles

is scheduled on Wednesday, 4/22/2015, from 10:00 AM - 11:40 AM in Grand Suite 5, Hyatt, East Tower, Gold Level

#### Sponsorship(s):

Cyberinfrastructure Specialty Group  
Geographic Information Science and Systems Specialty Group  
Spatial Analysis and Modeling Specialty Group

#### Organizer(s):

[Shaowen Wang](#) - University of Illinois at Urbana-Champaign  
[Eric Shook](#) - Kent State University  
[Timothy L. Nyerges](#) - University of Washington

#### Chair(s):

[Eric Shook](#) - Kent State University

#### Abstract(s):

**10:00 AM Author(s):** \*Eric Shook - Kent State University  
Jayakrishnan Ajayakumar - Kent State University  
Sandeep Vutla - Kent State University  
Gowtham Kukkadapu - Kent State University

Abstract Title: *Lowering Barriers for CyberGIS*

**10:20 AM Author(s):** \*Mary J. Roderick - University of Washington  
Timothy L. Nyerges - University of Washington

Abstract Title: *Plug-n-Participate: The Structured Participation Toolkit (SPT) in Action*

**10:40 AM Author(s):** \*Vijay Lulla - IUPUI  
Aniruddha "Rudy" Banerjee - IUPUI

Abstract Title: *Some ideas from open source worth embracing in GIS*

**11:00 AM Author(s):** \*Hao Hu - University of Illinois at Urbana Champaign  
Tao Lin - University of Illinois at Urbana Champaign  
Shaowen Wang - University of Illinois at Urbana Champaign

Abstract Title: *A Stochastic Programming Approach for Spatial Optimization and Analysis Considering Uncertainties in Geographic Data*

**11:20 AM Author(s):** \*Myeong-Hun Jeong - CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign  
Anand Padmanabhan - CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign  
Shaowen Wang - CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign

Abstract Title: *Monitoring radiation level changes with surface networks*

**Session Description:** CyberGIS - geographic information science and systems (GIS) based on advanced infrastructure of computing, information, and communication technologies (aka cyberinfrastructure) – has emerged over the past several years as a vibrant interdisciplinary field and played essential roles in enabling computing-, data- and collaboration-intensive geospatial research and education across a number of domains with significant societal impact.

At AAG 2015 annual meeting, we will hold the Symposium on CyberGIS for Fostering New Frontiers of Geographic Research and Education by building on the great success of the AAG 2013 CyberGIS Symposium and AAG 2014 Symposium on Synergistic Advances of CyberGIS and Geography. A suite of panel and paper sessions will address new frontiers of geographic research and education enabled by cutting-edge CyberGIS particularly related to the following themes: big data and computation, collaborative geographic problem solving, complex systems, geospatial semantics, novel applications, and social media.

Organizing Committee: Luc Anselin, Marc Armstrong, Yuqi Bai, David Bennett, Budhendra Bhaduri, Guofeng Cao, Guido Cervone, Edwin Chow, Chen-Chieh Feng, Michael Finn, Daniel Goldberg, Michael Goodchild, Diansheng Guo, Qunying Huang, Krzysztof Janowicz, Bin Jiang, Karen Kemp, Steve Kopp, Mei-Po Kwan, Nina Lam, Wenwen Li, Xingong Li, Yan Liu, Mark McKenney, Harvey Miller, Timothy Nyerges, Anand Padmanabhan, Ed Parsons, Yi Qiang, Sergio Rey, Britta Ricker, Johnathan Rush, Eric Shook, Terry Slocum, Alexandre Sorokine, Wenwu Tang, Piyushimita Thakuriah (Vonu), Jim Thatcher, Jie Tian, Ming-Hsiang (Ming) Tsou, E. Lynn Usery, Shaowen Wang, Nancy Wilkins-Diehr, Bev Wilson, Dawn Wright, May Yuan, Chuanrong Zhang, and A-Xing Zhu

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