



AAG Annual Meeting

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Paper Session:

1527 CyberGIS Symposium: Novel CyberGIS Applications

is scheduled on Tuesday, 4/21/2015, from 2:40 PM - 4:20 PM in Grand Suite 5, Hyatt, East Tower, Gold Level

Sponsorship(s):

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

Organizer(s):

[Shaowen Wang](#) - University of Illinois at Urbana-Champaign
[E. Lynn Usery](#) - U.S. Geological Survey
[Dawn J. Wright](#) - Esri

Chair(s):

[Shaowen Wang](#) - University of Illinois at Urbana-Champaign

Abstract(s):

2:40 PM Author(s): *Iliyana D. Dobрева, Ph.D. Candidate - Texas A&M University
Jyh C. Liu, Ph.D. - Texas A&M University
Michael P. Bishop, Ph.D. - Texas A&M University
Liang Da - Texas A&M University

Abstract Title: *Parallelization of a GIS-based Spectral Solar Radiation Model*

3:00 PM Author(s): *Bev Wilson - University of Illinois at Urbana-Champaign

Abstract Title: *CyberGIS as a planning support system: A review of present practices and future prospects*

3:20 PM Author(s): *Yi Qiang, Ph.D. - Department of Environmental Sciences, Louisiana State University
Nina Lam, Ph.D. - Department of Environmental Sciences, Louisiana State University
Kenan Li, Ph.D. candidate - Department of Environmental Sciences, Louisiana State University
Heng Cai, Ph.D. student - Department of Environmental Sciences, Louisiana State University
Lei Zou, Ph.D. student - Department of Environmental Sciences, Louisiana State University

Abstract Title: *Modeling the Coupled-Natural and Human Dynamics in a Vulnerable Coastal System Using CyberInfrastructure*

3:40 PM Author(s): *Yizhao Gao - University of Illinois
Shaowen Wang - University of Illinois
Anand Padmanabhan - University of Illinois

Abstract Title: *Mapping spatio-temporal patterns of events: social media as an indicator*

4:00 PM Author(s): *You Wan - Wuhan University in China
*Mengjun Kang - Wuhan University in China

Abstract Title: *The Spatial-temporal hot event detection based on Sina Weibo check in*

data

Session Description: AAG 2015 Symposium on CyberGIS for Fostering New Frontiers of Geographic Research and Education

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
