



AAG Annual Meeting

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Paper Session:

3617 CyberGIS Symposium: CyberGIS for Taming Big Data

is scheduled on Thursday, 4/11/2013, from 4:40 PM - 6:20 PM in Santa Barbara A, Westin, Lobby 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
[Krzysztof Janowicz](#)

Chair(s):

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

Abstract(s):

4:40 PM Author(s): *Yanli Zhao - University of Illinois at Urbana-Champaign
Shaowen Wang - University of Illinois at Urbana-Champaign
Anand Padmanabhan - University of Illinois at Urbana-Champaign

Abstract Title: *Spatial strategies for scalable spatial data analysis on heterogeneous parallel computing architecture*

5:00 PM Author(s): *Benoit Parmentier - National Center for Ecological Analysis and Synthesis UCSB

Brian McGill - Ecology and Environmental Science University of Maine
Jim Regetz - National Center for Ecological Analysis and Synthesis UCSB
Adam Wilson - Ecology & Evolutionary Biology University of Yale
Walter Jetz - Ecology & Evolutionary Biology University of Yale
Robert Guralnick - Ecology and Evolutionary Biology, University of Colorado at Boulder
Mark Schildhauer - National Center for Ecological Analysis and Synthesis UCSB
Martha Narro - iPlant Collaborative

Abstract Title: *Comparison of interpolation methods for production of high resolution climate datasets*

5:20 PM Author(s): *Zachary T Palmer - Oak Ridge National Laboratory
David E. Axley - Oak Ridge National Laboratory
Marie L. Urban - Oak Ridge National Laboratory
Eddie A. Bright - Oak Ridge National Laboratory

Abstract Title: *Application Development for Population Density Involving Large-scale Datasets*

5:40 PM Discussant: [Budhendra Bhaduri](#) - Oak Ridge National Laboratory

5:55 PM Discussant: [Krzysztof Janowicz](#)

Discussant(s):

Budhendra Bhaduri - Oak Ridge National Laboratory
Krzysztof Janowicz

Session Description: Organizing Committee: Luc Anselin, Budhendra Bhaduri, Chen-Chieh Feng, Michael Goochield, Krzysztof Janowicz, Timothy Nyerges, Anand Padmanabhan, Alexandre Sorokine, Ming-Hsiang (Ming) Tsou, E. Lynn Usery, Shaowen Wang (Chair), Nancy Wilkins-Diehr, Dawn Wright, and Chaowei Yang

CyberGIS - defined as cyberinfrastructure-based GIS - has emerged as a new generation of GIS representing an important research domain within the contexts of both cyberinfrastructure and GIScience while empowering extreme digital transformation of geographic research and education. We are organizing a series of CyberGIS activities as part of AAG 2013, including multiple panels and paper sessions, to facilitate the sharing of the state of the art and discussions about opportunities and challenges, cutting-edge progress, and major trends and impacts of CyberGIS.

Panel Sessions

CyberGIS and Sustainability Sciences: Making Connections
CyberGIS Education
From Big Data to the Long Tail: Data Discovery, Archiving, Workflows, and Integration from the NSF DataNet Projects
Frontiers and Roadmaps: Academic Viewpoints
Industry Perspectives

Paper Sessions

CyberGIS Applications
CyberGIS, Linked Data, and Geospatial Semantics
CyberGIS for Supporting Climate Studies
CyberGIS and Sustainability Sciences: Approaches, Cases, and Concepts
CyberGIS for Taming Big Data
Geospatial Ontology, Semantics, and Metadata (2 sessions)
GIS&T BoK - Making Space for Knowledge
Science of CyberGIS
Technologies and Social Dimensions
Time Geography (2 sessions)

Sponsors

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

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