



AAG Annual Meeting

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Paper Session:

1201 CyberGIS Symposium: CyberGIS and Sustainability Sciences - Approaches, Cases, and Concepts

is scheduled on Tuesday, 4/9/2013, from 10:00 AM - 11:40 AM in Beaudry 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
[Timothy Nyerges](#) - University of Washington

Chair(s):

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

Abstract(s):

10:00 AM Author(s): *Kenan Li - Ph.D Candidate, Louisiana State University
Nina Lam - Louisiana State University

Abstract Title: *Modeling the Coupled Natural and Human System in the Lower Mississippi Deltaic Region: Critical Transitions Simulation from a Resilience Perspective*

10:20 AM Author(s): *David Bennett - University of Iowa

Abstract Title: *Measuring Sustainability and Identifying Windows of Opportunity*

10:40 AM Author(s): *Steven D. Prager - University of Wyoming

Abstract Title: *A Meta-analysis of Three Studies in the Context of Sustainability Information Science*

11:00 AM Author(s): *Timothy Nyerges - University of Washington
Mary Roderick - University of Washington

Abstract Title: *Toward a Sustainability Information Science: Core Concepts and Methodology*

11:20 AM Discussant: [Nina Lam](#) - Louisiana State University

Discussant(s):

[Nina Lam](#) - Louisiana State University

Session Description: Organizing Committee: Luc Anselin, Budhendra Bhaduri, Chen-Chieh Feng, Michael Gooch, 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)

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