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(58) 2013 AAG Annual Meeting, Los Angeles, California

AAG ASSOCIATION of AMERICAN GEOGRAPHERS

AAG Annual Meeting

Paper Session:

1501 CyberGIS Symposium: CyberGIS Applications

is scheduled on Tuesday, 4/9/2013, from 2:40 PM - 4:20 PM 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
Budhendra Bhaduri - Oak Ridge National Laboratory

Chair(s):
Chaowei Yang - George Mason University

Abstract(s):

2:40 PM   Author(s): *Jing Deng - China University of Geosciences, Beijing
Wenwu Tang - UNCC
Ross Meentemeyer - UNCC
Xinqi Zheng - CUGB

 Abstract Title: *Automatic Calibration of a Multi-level Land Change Model: A Combined Evolutionary Optimization and High-performance Computing Approach*

3:00 PM   Author(s): *Chandra Giri - United States Geological Survey
Chandra Giri - USGS

 Abstract Title: *Next Generation of Global Land Cover Characterization, Mapping, and Monitoring: Challenges and Opportunities*

3:20 PM   Author(s): *Devin Alan White - Oak Ridge National Laboratory
Peter J Doucette - National Geospatial-Intelligence Agency
Cheng Liu - Oak Ridge National Laboratory
Michael J Lenihan - National Geospatial-Intelligence Agency

 Abstract Title: *Routing with Confidence: Efficiently Enhancing Dijkstra's Algorithm to Take Advantage of Rigorous Uncertainty Propagation Techniques*

3:40 PM   Discussant: Budhendra Bhaduri - Oak Ridge National Laboratory

Discussant(s):
Budhendra Bhaduri - Oak Ridge National Laboratory

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