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

AAG Annual Meeting

AAG ASSOCIATION of AMERICAN GEOGRAPHERS

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Paper Session:

3210 Spatiotemporal Thinking, Computing and Applications 2: Thinking

is scheduled on Thursday, 4/11/2013, from 10:00 AM - 11:40 AM in San Gabriel A, Westin, Lobby Level

Sponsorship(s):
Cyberinfrastructure Specialty Group
Geographic Information Science and Systems Specialty Group
Spatial Analysis and Modeling Specialty Group

Organizer(s):
Chaowei Yang - George Mason University
Keith Clarke - University Of California, Santa Barbara

Chair(s):
Ronald Eastman - Clark University

Abstract(s):

10:00 AM   Author(s): *Ona Strikas - Florida State University
James B Elsner - Florida State University

 Abstract Title: *The Influence of Coal Plants and Highways on Cloud-to-Ground Lightning Frequency*

10:20 AM   Author(s): *Xuwei Chen - Northern Illinois University
*Richard Greene - Northern Illinois University

 Abstract Title: *The Spatial-Temporal Dynamics of China's Changing Urban Hierarchy: 1950-2005*

10:40 AM   Author(s): *Yijie Chen - University of Georgia
Lan Mu - University of Georgia

 Abstract Title: *Seasonality of Low Birth Weight Prevalence and Effect of Heat Stress on Birth Outcomes in Georgia, U.S.*

11:00 AM   Author(s): *Sam Copeland - SUNY Buffalo

 Abstract Title: *Social Network Measures for Modeling Spatio-temporally Dynamic Disease Diffusion*

11:20 AM   Author(s): *Weining Zhu - Central Michigan University

 Abstract Title: *Spatial Chromatic Model: Understanding Space In An Object-Oriented Manner*

Session Description: Following the success of last year's spatiotemporal thinking, computing and application sessions, we are organizing a series of paper and panel sessions on STCA to continue the discussion and to take the first steps toward building a research agenda. The topics include but are not limited to
1.   What are spatiotemporal thinking, computing and applications?
2.   Are there undiscovered spatiotemporal principles or laws?
3.   Forming and/or utilizing spatiotemporal thinking as a methodology and innovative

conceptual process to develop geographic science discovery and application.

4.   How do we detect spatiotemporal changes using remote sensing and sensor web technologies?

5.   What are the new computing, software, and application products to address spatiotemporal problems?

6.   How can spatiotemporal thinking and computing be used to manage and develop cloud computing and Big Data solutions?

7.   How can spatiotemporal thinking and computing be used to optimize agent based modeling?

8.   Exploration of spatiotemporal patterns for various geographic sciences, such as climate change, ocean science, environmental science, disaster and sustainability studies.

9.   Does a spatiotemporal approach facilitate better understanding of the physical and social sciences?

10.   How do we educate the next generation workforce with spatiotemporal knowledge and methods?

11.   How best to communicate spatiotemporal knowledge.

New Query