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

Paper Session:

2646 Computational and Statistical Methods for Spatiotemporal Data Analytics

is scheduled on Wednesday, 4/10/2013, from 4:40 PM - 6:20 PM in Malibu Parlor 3158, Westin, 31st Floor

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

Organizer(s):
Guofeng Cao - University of California, Santa Barbara
Shaowen Wang - University of Illinois at Urbana-Champaign

Chair(s):
Guofeng Cao - University of California, Santa Barbara

Abstract(s):

4:40 PM Author(s): *Guofeng Cao - University of Illinois at Urbana-Champaign
Shaowen Wang - University of Illinois at Urbana-Champaign

Abstract Title: *A Statistical Framework for Spatiotemporal Dynamics Modeling*

5:00 PM Author(s): *Hui Xu - University of Michigan
Amy Burnicki - University of Michigan
Daniel G Brown - University of Michigan

Abstract Title: *Geostatistical simulation of multi-categorical land-cover changes*

5:20 PM Author(s): *Colin Robertson - Wilfrid Laurier University
Jed Long - University of Victoria

Abstract Title: *GIS-based space-time modelling of infectious disease spread*

5:40 PM Author(s): *David Hill - Thompson Rivers University

Abstract Title: *Ubiquitous Sensing for Real-Time Spatial Rainfall Estimation*

6:00 PM Author(s): *Marie Urban - Oak Ridge National Laboratory
Robert Stewart - Oak Ridge National Laboratory
Devin White - Oak Ridge National Laboratory
Eddie Bright - Oak Ridge National Laboratory
Budhendra Bhaduri - Oak Ridge National Laboratory

Abstract Title: *Developing Uncertainty in Population Density Data*

Session Description: This session focuses on sharing the state of the art of statistical modeling and computing methods for spatiotemporal data analysis, and exploring novel applications of these methods in a wide variety of domains, including but limited to remote sensing, land use and land cover changes, public health, GIScience, transportation, and socio-economic studies.

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