



AAG Annual Meeting

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Paper Session:

3409 Spatial and Spatio-Temporal Data Mining & Visualization (6)

is scheduled on Thursday, 4/11/2013, from 12:40 PM - 2:20 PM in San Fernando, Westin, Lobby Level

Sponsorship(s):

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

Organizer(s):

[Diansheng Guo](#) - UNIVERSITY OF SOUTH CAROLINA

Chair(s):

[Budhendra Bhaduri](#) - Oak Ridge National Laboratory

Abstract(s):

12:40 PM Author(s): *Robert Stewart, Ph.D. - Oak Ridge National Laboratory

Abstract Title: *Towards a 3D Virtual Gaming Environment for ST Analytics*

1:00 PM Author(s): *Scott Robeson - Indiana University
Kenji Matsuura - University of Delaware
Cort Willmott - University of Delaware
Elsa Nickl - University of Delaware

Abstract Title: *Using Spatial Percentiles to Estimate Recent Variations in Terrestrial Air Temperature*

1:20 PM Author(s): *Xin Miao - Missouri State University
Hongjie Xie - The University of Texas at San Antonio

Abstract Title: *A New Strategy of Ensemble Classifier: Ensemble Networks Algorithms*

1:40 PM Author(s): *Zengwang Xu - University of Wisconsin Milwaukee

Abstract Title: *Spatial patterns in the US county age specific net migration from 1950 to 2000*

2:00 PM Author(s): *Budhendra Bhaduri - Oak Ridge National Laboratory
Anil Cheriyaat - Oak Ridge National Laboratory
Ranga Raju Vatsavai - Oak Ridge National Laboratory
Eddie Bright - Oak Ridge National Laboratory
Marie Urban - Oak Ridge National Laboratory
Amy Rose - Oak Ridge National Laboratory

Abstract Title: *On Increasing Resolution of Global Population Data*

Session Description: Due to the ubiquity of location-aware technologies, surveys, and social media, big data with high spatio-temporal resolution have become increasingly available, such as massive mobility data, spatially embedded social networks, high-resolution remote sensing images, public health data, climate change data, etc. While

these data offer unprecedented opportunities to advance our understanding of complex geographic processes and phenomena, there are many challenging research questions in analyzing such spatio-temporal data to obtain new knowledge. This special session(s) invites research contributions in the theory, methodology, implementation, and application of spatial/spatiotemporal data mining, simulation, and visual analytics for analyzing spatio-temporal data and deriving new knowledge and theory.

New Query