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

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Paper Session:

2419 Spatial and Spatio-Temporal Data Mining & Visualization (1): Events and Trajectories

is scheduled on Wednesday, 4/10/2013, from 12:40 PM - 2:20 PM in Santa Barbara C, 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
Harvey Miller - University of Utah

Chair(s):
Harvey Miller - University of Utah

Abstract(s):

12:40 PM   Author(s): *Atsushi Nara, PhD - University of Oklahoma
Marguerite Keesee, PhD - University of Oklahoma
Mukul Sonwalkar, PhD - University of Oklahoma
William Greenwood - University of Oklahoma
Meredith Denney - University of Oklahoma
May Yuan, PhD - University of Oklahoma

Abstract Title: *Space-Time Analytics of Movement Patterns from GPS Data*

1:00 PM   Author(s): *Anthony C Robinson, PhD - GeoVISTA Center, Department of Geography, The Pennsylvania State University
Frank Hardisty, PhD - GeoVISTA Center, Department of Geography, The Pennsylvania State University
Sam Stehle - GeoVISTA Center, Department of Geography, The Pennsylvania State University
Donna Peuquet, PhD - GeoVISTA Center, Department of Geography, The Pennsylvania State University

Abstract Title: *Visualizing Event Sequences in Geographic Data with STempo*

1:20 PM   Author(s): *Brandon Zook - Florida State University
Tetsuo Kobayashi - Florida State University

Abstract Title: *Interactive geovisual analytical toolkit for team sports*

1:40 PM   Author(s): *Muhammed Y. Idris - The Pennsylvania State University
Jennifer M Smith - Pennsylvania State University
Joshua Stevens - The Pennsylvania State University

Abstract Title: *NVizABLE: A Network Visualization and Big Data Learning Environment*

2:00 PM   Author(s): *Hu Wang - University of South Carolina
Diansheng Guo - University of South Carolina

Abstract Title: *Spatial Interaction Modeling and Error Analysis of U.S. Migration*

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