



AAG Annual Meeting

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Paper Session:

3109 Spatial and Spatio-Temporal Data Mining & Visualization (4): Geo-Social Networks

is scheduled on Thursday, 4/11/2013, from 8:00 AM - 9:40 AM 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
[Wei Luo](#) - GeoVISTA Center, Department of Geography, Penn State University

Chair(s):

[Clio Andris](#)

Abstract(s):

8:00 AM Author(s): *Xining Yang - The Ohio State University
Xinyue Ye - Bowling Green State University
Daniel Z. Sui - The Ohio State University

Abstract Title: *A spatial-temporal exploration of the pulse of the city on Foursquare: A case study of Columbus, Ohio*

8:20 AM Author(s): *Yang Zhou - School of Remote Sensing and Information Engineering, Wuhan University, P.R.China
*Zhixiang FANG - State key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University
Qingquan Li - State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, P.R. China
Shih-Lung Shaw - Department of Geography, University of Tennessee, Knoxville, TN, USA
Yuguang Li - State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, P.R. China

Abstract Title: *Where are the critical places for taxi drivers to plan their routes in whole city?*

8:40 AM Author(s): *Zhuojie Huang - Department of Geography and Emerging Pathogens Institute, University of Florida
Xiao Wu - Department of Statistics, University of Florida
Andy Garcia - Department of Geography and Emerging Pathogens Institute, University of Florida
Andrew J Tatem - Department of Geography, University of Southampton

Abstract Title: *An open-access modeled passenger flow matrix for the global air network in 2010*

9:00 AM Author(s): *Wei Luo - GeoVISTA Center, Department of Geography, Penn State University
May Yuan - Center for Spatial Analysis, The University of Oklahoma

Abstract Title: *Spatial Dimensions of International Trade*

9:20 AM Author(s): *Natalie K Jensen - Augusta State University

Abstract Title: *Augusta MSA: A Socially-Fractured Metropolis*

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.

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