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(60) 2015 Annual Meeting, Chicago, Illinois

AAG Annual Meeting

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Paper Session:

3128 Human Dynamics in the Mobile Age IV

is scheduled on Thursday, 4/23/2015, from 8:00 AM - 9:40 AM in Plaza A, Hyatt, East Tower, Green Level

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

Organizer(s):
Xinyue Ye - Kent State University
Ming-Hsiang Tsou - San Diego State University
Edwin Chow - Texas State University

Chair(s):
Shih-Lung Shaw - University of Tennessee

Abstract(s):

8:00 AM   Author(s): *Yang Xu - University of Tennessee, Knoxville
Shih-Lung Shaw - University of Tennessee, Knoxville
Ziliang Zhao - University of Tennessee, Knoxville
Ling Yin - Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences
Jie Chen - State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences
Feng Lu - State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences

 Abstract Title: *A Tale of Two Cities - Understanding Human Mobility Patterns using Actively Tracked Cellphone Location Data*

8:20 AM   Author(s): *Ziliang Zhao - University of Tennessee, Knoxville
Shih-Lung Shaw, PhD - University of Tennessee, Knoxville
Yang Xu - University of Tennessee, Knoxville
Ling Yin, PhD - Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

 Abstract Title: *Three mirrors of urban dynamics: a comparison of urban population flows derived from three tracking datasets*

8:40 AM   Author(s): *Jiaoli Chen - University of Tennessee
Shih-Lung Shaw, Ph.D. - University of Tennessee
Qingquan Li, Ph.D. - Shenzhen University
Zhixiang Fang, Ph.D. - Wuhan University
Yuguang Li, Ph.D. - Wuhan University

 Abstract Title: *Where and When Similar Taxi Trajectories Are in A City*

9:00 AM   Author(s): *Shiwei LU - Wuhan University
Zhixiang FANG - Wuhan University
Shih-Lung SHAW - University of Tennessee
Ling YIN - Chinese Academy of Sciences

Abstract Title: *Using Mobile Phone Tracking Data to Improve the Accuracy of Estimated Flow Volumes and Directions for Huff's Model*

9:20 AM   Author(s): *Shih-Lung Shaw, Dr. - Department of Geography, University of Tennessee
Shiwei Lu - State Key Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University
Zhixiang Fang, Dr. - State Key Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University

Abstract Title: *How Big is Big Enough in the Big Data Era - A Case Study of Spatial Interaction Model*

Session Description: New insight into the dynamics of social systems can not only help to verify the existing social behavioral theories but also contribute to problem solving in the range of areas vital for the current mobile and data-rich age. Growing evidence has witnessed the interconnected spatial patterns and relationships between cyberspace and our real world. A large number of socioeconomic and human behavior datasets can be easily collected using mobile technology and social media platforms. Coupling spatial and behavioral science research can provide effective and efficient ways to visualize and analyze these big data collected for social behavioral research.

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