Paper Session:

3117 CyberGIS Symposium: Time Geography I

is scheduled on Thursday, 4/11/2013, from 8:00 AM - 9:40 AM in Santa Barbara A, Westin, Lobby Level

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

Organizer(s):
Steven Farber - University of Utah

Chair(s):
Hongbo Yu - Oklahoma State University

Abstract(s):

8:00 AM Author(s): *Mark W Horner - Florida State University
Joni A Downs - University of South Florida

Abstract Title: *Exploring a Density-Based Accessibility Index for Mobile Objects*

8:20 AM Author(s): *Donggen Wang, Dr - HONG KONG BAPTIST UNIVERSITY
Tao Lin - Department of Geography, Hong Kong Baptist University

Abstract Title: *Urban Contexts and Time Use: A Comparative Study of Time Use and Travel Behavior between Hong Kong and Beijing*

8:40 AM Author(s): *Sam Stehle - Pennsylvania State University

Abstract Title: *A Modified Alignment Method for Matching Patterns of Spatio-Temporal Events*

9:00 AM Author(s): *Jae Hyun Lee - UC Santa Barbara
Konstadinos G. Goulias - UC Santa Barbara

Abstract Title: *Exploring the relationship between activity types and the types of business establishment*

9:20 AM Author(s): *Hongbo Yu - Oklahoma State University

Abstract Title: *Exploring Activity Patterns in a Large Tracking Dataset: A Time-Geography Approach*

Session Description: Recent research progress has pushed forward the frontier of time geography in both theoretical and application aspects. These research efforts include extending the time-geographic framework to study activities and interactions in a hybrid environment of physical and virtual spaces, developing probabilistic models for time geography, creating computational models and representations of time-geographic concepts, and applying the framework to support a variety of studies, such as travel behaviors, activity patterns, accessibility analysis, social equity, location based services, animal ecology, etc. Data-intensive science (also known as Big Data) has been suggested as a potential paradigm shift and has attracted significant attention in recent

years. We welcome papers that discuss implications of Big Data to time-geographic research or use large tracking data to conduct time-geographic studies.
In the meantime, we also welcome a wide range of studies that address conceptual, theoretical, technical, or empirical aspects of time geography. The time geography sessions at the AAG annual meetings during the past few years were well received and attracted good attendance. We would like to continue this tradition at the 2013 AAG annual meeting to offer a forum for researchers to share their innovative ideas of advancing time geography.

New Query