Paper Session:

3417 CyberGIS Symposium: Time Geography II

is scheduled on Thursday, 4/11/2013, from 12:40 PM - 2:20 PM 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):
Steven Farber - University of Utah

Abstract(s):

12:40 PM Author(s): *Thomas Leysens - Joseph Fourrier University - PACTE
Sonia Chardonnel - Joseph Fourrier University
*Thomas Thevenin - University of Burgundy - THEMA / CNRS
Arnaud Banos - University of Paris

Abstract Title: *Understanding complexity of an agent based model in a time geographical dataset*

1:00 PM Author(s): *Joni Downs - UNIVERSITY OF SOUTH FLORIDA
Mark Horner - Florida State University

Abstract Title: *Computation of probabilistic space-time prisms*

1:20 PM Author(s): *Xiao Li - University of Utah
Steven Farber - University of Utah

Abstract Title: *Spatial Representation in the Social Interaction Potential Metric: an Analysis of Scale and Parameter Sensitivity*

1:40 PM Author(s): *Ying Song - University of Utah
Harvey J Miller - University of Utah

Abstract Title: *Modeling Visit Probabilities within Network-Time Prisms*

2:00 PM Author(s): *Jed A Long - University of Victoria
Trisalyn A Nelson - Department of Geography, University of Victoria
Farouk S Nathoo - Department of Mathematics & Statistics, University of Victoria

Abstract Title: *A Kinetic-Based Probabilistic Space-Time Prism*

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