



AAG Annual Meeting

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Paper Session:

1574 [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (III)

is scheduled on Tuesday, 4/21/2015, from 2:40 PM - 4:20 PM in Lucerne 2, Swissôtel, Lucerne Level

Sponsorship(s):

Transportation Geography Specialty Group
Spatial Analysis and Modeling Specialty Group

Organizer(s):

[Hongbo Yu](#) - Oklahoma State University
[Shih-Lung Shaw](#) - University of Tennessee
[Kajsa Ellegård](#) - Linköping University

Chair(s):

[Hongbo Yu](#) - Oklahoma State University

Abstract(s):

2:40 PM Author(s): *Katerina Vrotsou - Linköping University

Abstract Title: *Uncovering projects in time-geographical diary data through interactive visual sequence mining*

3:00 PM Author(s): *Brian Swedberg - Penn State

Abstract Title: *PerSE: A visual analytics tool for identifying periodicity in spatio-temporal event data*

3:20 PM Author(s): *Tijs Neutens - Ghent University

Koos Fransen - Ghent University
Steven Farber - University of Toronto
Frank Witlox - Ghent University
Greet Deruyter - Ghent University
Philippe De Maeyer - Ghent University

Abstract Title: *Public transport gaps in Flanders (Belgium)*

3:40 PM Author(s): *Jiawen Yang - Peking University

Xiangfu Kong - Peking University
Weiqi Ju - Peking University

Abstract Title: *Developing congestion index based on taxi GPS data*

4:00 PM Author(s): *Matthew Michael Haffner - Oklahoma State University - Stillwater, OK

Hongbo Yu - Oklahoma State University

Abstract Title: *Measuring social interaction potential in Oklahoma City and Tulsa*

Session Description: Time geography, which was introduced by Torsten Hägerstrand in the late 1960s to study individual's activities and their constraints in space and time,

has attracted great attention from researchers beyond the field of human geography. The integrative space-time system of time geography offers a unique and effective framework to investigate spatial and temporal processes and interactions in a wide range of research fields. Recently, we have witnessed a trend of growing interest in applying time geography to study the dynamic processes in different areas. This trend is further enhanced by the increasing availability of individual-based spatio-temporal data and developments in computational implementation of time-geography concepts. Meanwhile, as the advancements in information and communications technologies are changing how people interact with each other, the society, and the environment, there is also a great need for further conceptual and theoretical developments in time geography to extend the framework and effectively address these changes.

The time geography sessions at the AAG annual meetings in the past were well received and attracted good attendance. We would like to continue this tradition at the 2015 AAG annual meeting to offer a forum for researchers to share their innovative ideas of advancing time geography. We welcome a wide range of studies that address conceptual, theoretical, technical, or empirical aspects of time geography. Topics for these sessions include (but are not limited to):

- development of existing and creation of new time-geographical concepts,
- theoretical expansions of the time-geographic framework to study activities and interactions in a hybrid environment of physical and virtual spaces,
- computational models and representations of time-geographic concepts,
- visual analytics using time-geographic framework,
- time-geographic developments in studies of everyday life and life biographies,
- developments of concepts and applications to strengthen the ecological dimension in time-geography,
- (re)integration of time-geography into contemporary developments in political and cultural geography,
- applications of time geography to support the study of travel behaviors, activity patterns, accessibility analysis, social equity, location based services, animal ecology, public health, regional planning, etc.
- implementations of time-geographic approach in recently emerged topics in geography, such as wellbeing, energy consumption, socio-technical transitions, etc.

Organizers:

Shih-Lung Shaw, The University of Tennessee
Hongbo Yu, Oklahoma State University
Kajsa Ellegård, Linköping University
Tim Schwanen, University of Oxford

New Query