



AAG Annual Meeting

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Paper Session:

1474 [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (II)

is scheduled on Tuesday, 4/21/2015, from 12:40 PM - 2:20 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):

[Kajsa Ellegård](#) - Linköping University

Abstract(s):

12:40 PM Author(s): *Helena Köhler - Department of Thematic Studies - Environmental Change

Abstract Title: *What resources are needed to use fewer resources? A time-geographical study of household hot water use.*

1:00 PM Author(s): *Ying Song - The Ohio State University
Harvey J Miller - The Ohio State University
Xuesong Zhou - Arizona State University

Abstract Title: *Estimating the Speed-related Costs of Network-Time Prisms with Applications in Emissions Modeling and Air Quality*

1:20 PM Author(s): *Mattias Hellgren - Linköpings University

Abstract Title: *Energy use, Everyday life and Time-geography*

1:40 PM Author(s): *Qinyue Pan - Oklahoma State University
Hongbo Yu - Oklahoma State University

Abstract Title: *Space-time path based clustering method to analyze gender difference on activity patterns*

2:00 PM Author(s): Kajsa Ellegård - Linköping University
*Jenny Palm - Linköping University

Abstract Title: *Homeliness - a concept to analyze people's use of their homes*

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