



## AAG Annual Meeting

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### Paper Session:

#### 1274 [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (I)

is scheduled on Tuesday, 4/21/2015, from 10:00 AM - 11:40 AM 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):

[Shih-Lung Shaw](#) - University of Tennessee

#### Abstract(s):

**10:00 AM Author(s):** \*Kristina Trygg - Lecturer

Abstract Title: *Understanding renovation process involving many actors by using the time-geographical framework*

**10:20 AM Author(s):** \*Steven Farber - University of Toronto - Scarborough  
Harvey J Miller - The Ohio State University  
Morton O'Kelly - The Ohio State University  
Tijs Neutens - Ghent University

Abstract Title: *Measuring segregation using patterns of daily travel behavior: a social interaction based model of exposure*

**10:40 AM Author(s):** \*Jennifer A. Miller - University of Texas at Austin

Abstract Title: *Towards a better understanding of dynamic interaction metrics for wildlife*

**11:00 AM Author(s):** \*Martin Dijst - Utrecht University

Abstract Title: *A Relational Interpretation of Time Geography*

**11:20 AM Author(s):** \*Kajsa Ellegård - Linköping University

Abstract Title: *Time-geography - developments and prospects in the global context*

**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

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