



## AAG Annual Meeting

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### Paper Session:

#### 5171 Time Geography: New Research Directions, Developments, and Applications (I)

is scheduled on Saturday, 4/12/2014, from 8:00 AM - 9:40 AM in Meeting Room 4, Marriott, Second Floor

#### Sponsorship(s):

Transportation Geography Specialty Group  
Spatial Analysis and Modeling Specialty Group  
Geographic Information Science and Systems Specialty Group

#### Organizer(s):

[Hongbo Yu](#) - Oklahoma State University  
[Shih-Lung Shaw](#) - University of Tennessee  
[Kajsa Ellegård](#) - Linköping University, Technology and social change

#### Chair(s):

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

#### Abstract(s):

**8:00 AM Author(s):** \*Kristina Trygg - Stockholm University

Abstract Title: *How to understand the geography of work*

**8:20 AM Author(s):** \*Charlotta Isaksson - University West  
Kajsa Ellegård - Linköping University

Abstract Title: *Household micro structures as constraints to energy conservation*

**8:40 AM Author(s):** \*Elizabeth Marcusson, B.A, M.A, B.Sc, Dip. Ed. - Rudbecksskolan

Abstract Title: *Mobility, Freedom, Empowerment: Three dimensions of youthful context and substance*

**9:00 AM Author(s):** \*Hongmian Gong, Ph.D. - Hunter College

Abstract Title: *Combining Web GIS, Smartphone, Social Media, and Cloud Computing to Understand Spatiotemporal Transportation Data*

**9:20 AM Author(s):** \*Jiaoli Chen - University of Tennessee  
Shih-Lung Shaw, Ph.D. - University of Tennessee

Abstract Title: *Arranging daily activities based on a space-time-prism approach*

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**Session Description:** Recently there has been a reviving and growing interest in time geography in the research community. Endorsing an integrative space-time system to investigate spatial and temporal processes, time geography offers an elegant framework to study the dynamics of the interactions among individual agents and between the agents and their surrounding environment. Recent research progress has pushed forward the frontier of time geography in both theoretical and application aspects. The increasing availability of individual-based spatio-temporal data also opens up opportunities for new research directions, developments, and applications in time geography. The time geography sessions offer a forum for researchers to share their

innovative ideas of advancing time geography. A wide range of study topics that address conceptual, theoretical, technical, or empirical aspects of time geography are covered in these sessions, including (but not limited to):

- 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,
- using time-geographic framework for visual analytics,
- presenting further elaborations on time-geographic concepts,
- applying the framework to support a variety of studies, such as travel behaviors, activity patterns, accessibility analysis, social equity, location based services, animal ecology, public health, regional planning, etc.

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New Query