



AAG Annual Meeting

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Paper Session:

5271 Time Geography: New Research Directions, Developments, and Applications (II)

is scheduled on Saturday, 4/12/2014, from 10:00 AM - 11:40 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):

[Kajsa Ellegård](#) - Linköping University, Technology and social change

Abstract(s):

10:00 AM Author(s): *Mattias Hellgren - Linköpings University

Abstract Title: *Doing Quantitative Analyse of Time-Diary Data from a Time-Geographic Perspective -- Challenges and Possibilities*

10:20 AM Author(s): *Katerina Vrotsou - Linköping University

Abstract Title: *Rethinking the space-time cube from an activity perspective*

10:40 AM Author(s): *Magdalena Cedering - Dept. of Social and Economic Geography, Uppsala Universitet

Abstract Title: *Consequences of school closure in Swedish rural areas*

11:00 AM Author(s): *Wei Wang - University of Iowa
 Kathleen Stewart - University of Iowa

Abstract Title: *Retrieving Patterns of Hazard Events through Tweets*

11:20 AM Author(s): *Kajsa Ellegård - Linköping University, Technology and social change

Abstract Title: *The whole and its parts - elementary events as tools for analyzing individual paths*

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.

New Query