

Space-Time Integration in GIS and GIScience

Every year, the Association of American Geographers (AAG) identifies a particularly timely or relevant set of themes to feature during its Annual Meeting. Last year, an overriding theme was climate change, for example, and previous years have included featured sessions on topics such as human rights, landscape and literature, sustainable development in Africa, and the geography of water.

A special symposium focused on the research status, recent advances, and research needs of space-time integration, modeling, and analysis in geography and GIScience will be organized within the AAG Annual Meeting in Seattle, Washington, April 12–16, 2011. This special set of invited papers will feature many leading GIScience researchers from Asia and Europe, as well as from other regions of the world, and will form a high-profile international symposium within the AAG Annual Meeting.

Space-time analysis is a rapidly growing research frontier in geography, GIS, and GIScience. Advances in integrated GPS/GIS technologies; the availability of large datasets (over time and space); and increased capacity to manage, integrate, model, and visualize complex data in (near) real time offer the GIS and geography communities extraordinary opportunities to begin to integrate sophisticated space-time analysis and models in the study of complex environmental and social systems, from climate change to infectious disease transmission.

This special symposium builds on momentum from a space-time analysis workshop cosponsored by the AAG, Esri, University of Redlands, and University of Southern California in early 2010, as well as several other initiatives during the past few years. GIScientists, geographers, modelers, computer programmers, GPS/GIS systems scientists, climate change scientists, epidemiologists, ecologists, planners, transportation experts, and others with active research expertise in integrating space-time in GIS and geography are encouraged to participate in this special symposium.

The symposium will open with plenary ses-

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sions led by prominent theorists and pioneers in space-time GIScience and technology research.

In addition to the Space-Time GIScience Research Symposium, other special themes of the AAG Seattle meeting will include session tracks focused on Asian geographies and research collaborations; geography and public health; diversifying our discipline; and the changing role of universities in today's globalizing societies. These and hundreds of other cutting-edge research and education sessions and workshops will be held at the Seattle meeting. The AAG Annual Meeting, with over 8,000 attendees from more than 60 countries, represents one of the most dynamic, substantive, and innovative GIScience research and scholarship events in the world.

Symposium Organizers

Michael Goodchild—University of California, Santa Barbara
 Doug Richardson—Association of American Geographers
 Mei-Po Kwan—Ohio State University
 Luc Anselin—Arizona State University
 Kathleen Stewart—University of Iowa
 Tomoki Nakaya—Ritsumeikan University, Japan
 Dan Griffith—University of Texas, Dallas
 Martin Dijst—Utrecht University, the Netherlands
 Jeremy Mennis—Temple University
 Elizabeth Wentz—Arizona State University
 Michael Gould—Esri
 Donggen Wang—Hong Kong Baptist University, China
 Jean McKendry—Association of American Geographers
 May Yuan—University of Oklahoma
 Seraphim Alvanides—Northumbria University, UK

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