--->
(60) 2015 Annual Meeting, Chicago, Illinois

AAG Annual Meeting

Annual Meeting Home | AAG Home | Contact Us | RSS

Problems logging in? Get Help

Register to Attend | About the Meeting | Schedule & Program | Jobs Center | Call for Papers | Grants & Awards | Get Involved | For Exhibitors & Sponsors

Panel Session:

2190 Spatial Data Mining and Big Data Analytics (5)

is scheduled on Wednesday, 4/22/2015, from 8:00 AM - 9:40 AM in 406 Classroom, University of Chicago Gleacher Center, 4th Floor

Sponsorship(s):
Geographic Information Science and Systems Specialty Group
Spatial Analysis and Modeling Specialty Group
Cartography Specialty Group

Organizer(s):
Diansheng Guo - UNIVERSITY OF SOUTH CAROLINA
Harvey J. Miller - The Ohio State University

Chair(s):
Diansheng Guo - UNIVERSITY OF SOUTH CAROLINA

Panelist(s):
May Yuan - University of Texas - Dallas
Paul A. Longley - University College London
Michael F. Goodchild - University of California - Santa Barbara
Shih-Lung Shaw - University of Tennessee
Donna J. Peuquet - Pennsylvania State University
Sean Ahearn - Hunter College - City University

Session Description: Big and dynamic spatial data have been, and continue to be, collected with modern data acquisition techniques such as global positioning systems (GPS), high-resolution remote sensing, census surveys, and internet-based volunteered geographic information.While these data offer unprecedented opportunities to advance our understanding of complex geographic processes and phenomena, there are many challenging research questions in analyzing such data to obtain new knowledge. We invite research contributions in the theory, methodology, implementation, and application of spatial data mining, simulation, and visual analytics for big spatial data analytics. Potential topics include (but not limited to):

Theories and models to represent, quantify, and enable discovery of new types of spatial patterns and relationships;

Computational, statistical, and visual analytical methodologies for big data analytics, knowledge discovery, and decision support in geographic domains;

Domain-specific data analytics and applications: public health, spatial epidemiology, transportation, urban mobility, climate change, crime analysis, migration, geo-social networks, among others;

Simulation, benchmark data generation, complexity modeling, predictive analytics;

Big data collection, curating and management methodologies for heterogeneous data, e.g., texts, videos, images, etc.

New Query