Call for Poster Presentations

Exploratory Visualization, Analysis and Data Mining in Transportation Research and Applications

84th Annual Meeting of the Transportation Research Board
Washington, DC, January 9-13, 2005

Co-sponsors: Task force on Visualization in Transportation (ABJ95T) and Committee on Spatial Data and Information Sciences (ABJ60)

Transportation research and applications exist in an increasingly data-rich and computation-rich environment. Data collection devices linked to location-aware technologies, cell phones, in-vehicle navigation systems, intelligent transportation systems and wireless Internet clients can capture data on individual movement patterns. High spatial, temporal and spectral resolution remote sensing systems and other environmental monitoring devices gather vast amounts of digital imagery, video, and sound on transportation infrastructure and its performance. In contrast, traditional analytical methods were developed when data collection was expensive and computational power was weak. These techniques can be overwhelmed by the increasing volume and diverse nature of digital data.

This session will involve poster presentations on cutting-edge techniques and applications of exploratory visualization, analysis and data mining in theoretical and applied transportation research. We are interested in submissions based on research and development within any transportation-related domain. We encourage the submission of projects that clearly demonstrate the potential for generating new knowledge that lead to innovative scientific insights or policy prescriptions in transportation theory or application.

Full papers (limited to 7500 words) must be submitted through the TRB website by August 1, 2004.

For more information:
- TRB website: http://www.trb.org/
- TRB Task Force on Visualization in Transportation: http://www.trbvis.org
- TRB Committee on SDIS: http://www.ctre.iastate.edu/trb-sdis
- Information on poster presentations: http://www4.nas.edu/trb/annual.nsf/web/posters
- Session organizers:
  - Harvey J. Miller, University of Utah - harvey.miller@geog.utah.edu
  - Tom Furlani, University at Buffalo - furlani@ccr.buffalo.edu
  - Shashi Shekhar, University of Minnesota - shekhar@cs.umn.edu