

Data, Planning, and Analysis Group (AE) Data and Data Science Section (AED)

Standing Committee on Statewide and National Data and Information Systems (AED10)

Monday, Jan 06, 2025 8:00AM - 9:45AM, Liberty Salon L (M4) / Marriott Marquis

Scope: The scope includes research and technology transfer activities pertaining to statewide transportation planning data and information systems for all modes of transportation. A primary concern is the capability of information systems to integrate various transportation related data sources into a strategic multimodal information database for statewide transportation planning. The committee serves as a forum for discussion of current planning data activities.

Chair: Peggi Knight peggi.knight@iowadot.us

Standing Committee on Urban Data and Information Systems (AED20)

Tuesday, Jan 07, 2025 8:00AM - 9:45AM, Liberty Salon L (M4) / Marriott Marquis

Scope: This committee is interested in the design, collection, analysis, and reporting of transportation supply and demand data needed to support urban and metropolitan transportation planning efforts. In particular, the committee is interested in developing the data requirements of new and innovative techniques for measuring and monitoring the performance of metropolitan transportation systems; and in evaluating changes in demographic and urban travel characteristics. In terms of household and other transportation surveys, the committee is concerned with the analysis, reporting, archiving, and dissemination of results and data products. The committee is interested in the effective use of census and other federal, secondary data sources in metropolitan transportation planning. The committee is concerned with advancements in information systems and information technology for the improved dissemination and sharing of knowledge about metropolitan transportation systems and urban travel behavior.

Chair: Michael Fontaine Michael.Fontaine@VDOT.Virginia.Gov

Standing Committee on Information Systems and Technology (AED30)

Monday, Jan 06, 2025 1:30PM - 5:30PM, Liberty Salon FG (M4) / Marriott Marquis

Scope: This committee is concerned with research needs and strategic leadership regarding the use of advanced computing and technology to support optimal transportation solutions and outcomes, with a particular focus on identifying opportunities, challenges, and risks for transportation agencies. Areas of emphasis include advanced sensing technologies, data and technology governance, information systems in construction and infrastructure management, cybersecurity, and information / operational technology convergence.

Chair: Steven Parker sparker@engr.wisc.edu

Standing Committee on Geographic Information Science (AED40)

Monday, Jan 06, 2025 1:30PM – 5:30PM, Liberty Salon I (M4) / Marriott Marquis

Scope: The scope of this committee includes all aspects of the spatial, locational and temporal data used in transportation. The committee is interested in both research into and applications of this information and its associated information systems, commonly referred to as Geographic Information Systems in Transportation (GIS-T). The committee will provide a focal point for and promote coordination of GIS- T activities within the TRB committee structure. Relevant activities include the application of spatial data and spatial sciences across the entire domain of transportation information systems.

Chair: Eric Green eric.green@uky.edu

Standing Committee on Artificial Intelligence and Advanced Computing Applications (AED50)

Monday, Jan 06, 2025 6:00PM - 10:00PM, Liberty Salon L (M4) / Marriott Marquis

Scope: The purpose of this committee is to provide a focal point for expert system research activities across the various transportation-related disciplines, and to act as a forum for the evaluation and dissemination of information relative to the benefits of the technology to the transportation profession. It is understood that other TRB committees, where appropriate, will have subcommittees on expert systems for their specific domain.

Chair: Yin Hai Wang yinhai@uw.edu

Standing Committee on Statistical and Econometric Methods (AED60)

Tuesday, Jan 07, 2025 1:30PM - 3:15PM, Liberty Salon L (M4) / Marriott Marquis

Scope: This committee is concerned with the appropriate application of statistical methods in the field of transportation. The committee will serve as a resource on statistical matters for all other TRB committees or activities; will foster understanding and use of statistics through dissemination and education activities; and will identify and foster research needed in statistics for use in transportation.

Chair: Grigorios Fountas gfontas@topo.auth.gr

Standing Committee on Freight Transportation Data (AED70)

Tuesday, Jan 07, 2025 10:10AM - 12:00PM, Liberty Salon L (M4) / Marriott Marquis

Scope: The purposes of the committee are to identify and publicize sources of and needs for data on commodity movements, international trade, freight transportation activity, and the economics and organization of establishments engaged in freight transportation; to advise data collection agencies on cost-effective means of fulfilling essential data needs; and to assist analysts and decision makers in the effective use of freight transportation data.

Chair: Sarah Hernandez sarahvh@uark.edu

Standing Committee on Visualization in Transportation (AED80)

Wednesday, Jan 8, 2025 10:15AM - 12:00PM, Liberty Salon I (M4) / Marriott Marquis

Scope: The scope of the Committee is to foster and disseminate collaborative exchange and research that enhances the usable knowledge of visualization methods and technologies for their potential in addressing critical transportation issues of today, as well as promoting innovative approaches to society's transportation needs of the future.

Chair: Charles Lattimer

lattimer@umd.edu