

Technology—Artificial Intelligence, Data, New Mobility, BIM, etc. Sessions at 2024 TRB Annual Meeting

Day	Time	Session: Number and Title			
Sunday	9:00 am–12:00 pm	1003-Transportation Systems Management and Operations Data Exchanges: On-Ramps to the National Roadway Digital Infrastructure	1008-Shaping the Future: ChatGPT and Other Artificial Intelligence Technologies in the Transportation Industry	1014-Novel Life Cycle Consideration of Digital Project Delivery Workflows and Data Exchanges	
		1020-The Use of Artificial Intelligence for Site Characterization and Pile Design		1034-Breaking Down Data Silos Using the Mobility Data Interoperability Principles	
	1:30 pm–4:30 pm	1047-Integrating Sensing and Advanced Computing Technologies into Digital Twin Models			
Monday	8:00 am–9:45 am	2005-Multimodal Data Fusion and Modeling for Improved Traffic Monitoring and Management	2006-State of the Art and Future Vision on Artificial Intelligence Research and Applications in Transportation	2007-Micromobility: Vehicles, Stations, Connectivity, and the User Experience	
	10:15 am–12:00 pm	2074-Machine Learning Applications in Foundation Design and Performance: Site Variability in Load and Resistance Factor Design		2105-New Forms of Shared Mobility	
	1:30 pm–3:15 pm	2138-Building Information Modeling in Design and Construction			
	3:45 pm–5:30 pm	2182-Urban Data Analysis Using GIS	2186-Applications of Large Language Models for Information and Knowledge Management	2193-Paving the Way Forward: Exploring Building Information Modeling for Pavements and Why You Cannot Afford to Miss It	2203-Improving Transit Operations with Novel Analyses of Big Data
	6:00 pm–7:30 pm	2229-Artificial Intelligence for Behavior-Based Safety Data Modeling		2237-Automated Enforcement and Traffic Crash Investigations	
Tuesday	8:00 am–9:45 am	3007-Innovative Data Approaches to Inform Freight Planning and Analysis			
	10:15 am–12:00 pm	3076-Transportation Leaders Ask: What Can Artificial Intelligence Do for Me and to Me?		3097-On Track to the Future: Electrification, Train Control, and Neural Networks	
	1:30 pm–3:15 pm	3135-Digitalization and Construction Management: Streamlining Data Integration and Embracing Emerging Technologies	3160-Automation, Technology, and Pedestrian Interactions	3167-Safe and Smart Transportation Systems Powered by Artificial Intelligence	3176-Freight Demand and Choice Modeling Using Advanced Data Sets

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Tues	3:45 pm– 5:30 pm	3184-Big Data Approaches in Travel Surveys		3215-Transforming Transportation Planning and Traffic Forecasting with Artificial Intelligence	
Wednesday	8:00 am– 9:45 am	4002-Artificial Intelligence–Aided Traffic Flow Modeling and Control		4004-Leading Research on Applications in Computer Vision	
		4023-Advances in Methodologies and Data in Freight Transportation Planning		4024-Economics of Urban and Advanced Air Mobility	
	10:15 am– 12:00 pm	4052-Applications of Probe, Connected Vehicle, and Alternative Types of Data in Traffic Monitoring		4067-Integrated Advanced Air Mobility with Landside First- and Last-Mile Connections	
	3:45 pm– 5:30 pm	4080-Visualization in Transportation Lightning Talks			
Thurs	9:00 am– 12:00 pm	5005-Understanding Digital Twins for Transportation Systems Management		5013-Highway to Artificial Intelligence: Future-Proofing the Transport Sector	