TRB BIG DATA
WORKSHOP

AM Session | 9:00 AM – 12:00 PM

PM Session | 1:30 PM – 4:30 PM

Transforming Big Data to Answer Transportation Planning Questions for Statewide and National Applications

AED 10: Standing Committee on Statewide / National Transportation Data and Information Systems

AED 20: Standing Committee on Urban Transportation Data and Information Systems

AED 70: Standing Committee on Freight Transportation Data

Equity Considerations with Big Data in an Urban and Regional Transportation Planning Context

AED 10: Standing Committee on Statewide / National Transportation Data and Information Systems

AED 20: Standing Committee on Urban Transportation Data and Information Systems

AED 50: Standing Committee on Artificial Intelligence and Advanced Computing

AED 70: Standing Committee on Freight Transportation Data

Panelists	**Speakers**	**Presentations**	**Breakout Groups**	**Q & A**	**Applications**

Description	Topic Title	Name	Affiliation
Introduction and Format of Workshop	Maren Outwater	Resource Systems Group (RSG)
Tackling the Challenges of Equity at MassDOT with Data	Liz Williams Monika Shepard	Massachusetts Dept. of Transportation Streetlight
Datadriven to a Livable Environment	Jing Li Jeroen Brouwer	Denver University TomTom
Differences in Intercity Travel Trip Rates and Patterns by Ethnicity, Income, and Gender using Location Based Services (LBS) Cellphone Data	Liliana Pereira	Steer
Managing Visitor Use at National Parks with Big Data	Rachel Collins Ted Mansfield	National Park Service RSG
National Freight Big Data Applications	Steven Jessberger	Federal Highway Administration
Realistic and Practical Ways for State DOTs to Use Big Data for Freight Decision-Making	Nicole Katsikides	Texas A&M Transportation Institute
Breakout Sessions		
Freight	Fatemah Ranaiefar	Fehr & Peers
Multimodal Applications	Anita Vandervalk	Iteris
Traffic Measures	David Lee	Tennessee Dept. of Transportation
Accessibility Measures	Stan Young	National Renewable Energy Laboratory

Introduction and Format of Workshop	Vijayaraghavan Sivaraman	Texas A&M Transportation Institute
Using Big Data to Evaluate Equitable Access to Community Resources	Greg Macfarlane	Brigham Young University
Location Analysis for Residents and Visitors in Austria	Martin Fellendorf	Graz University of Technology
Can Vehicle Characteristics Reveal Underlying Daily Travel Trends?	Reza Farzaneh Matthew Blackwell	Texas A&M Transportation Institute WEJO
Analyzing Equity Issues of Shared Mobility Services Using Different Data Sources	Suman Mitra	University of Arkansas
Low-Cost Approach to Expand Continuous Count Coverage with Traffic Signals	Dave Gardner Ben Chen	Ohio Dept. of Transportation MS2
Data – Scalable Metrics and Case Studies from Around the Country	Steve Remias	INRIX
Big Data and Safety – Is Everyone Included?	Anita Vandervalk	Iteris
Breakout Sessions		
Broader discussion on equity. Each panelist will bring a topic to the discussion based on their area of expertise.	Greg Erhardt Simona Babiceanu Kay Axhausen Genevieve Guiliano	University of Kentucky Virginia Dept. of Transportation ETH Zürich University of Southern California