

ASCE

TRANSPORTATION CONFERENCES 2024



June 15-18, 2024
Atlanta, GA | Hilton Atlanta

In partnership with **GDOT**
Georgia Department of Transportation

**International Conference on
Transportation and Development**



**19th International Conference on Automated
People Movers and Automated Transit
Systems**





INTERNATIONAL CONFERENCE ON TRANSPORTATION & DEVELOPMENT



In Partnership with Georgia Department of Transportation

Program Overview

- 3 Super-Plenary Sessions (including State DOT CEOs session)
- 1 Plenary Session
- 42 Breakout Sessions (including GDOT sessions)
- 1 Awards Luncheon
- 1 Welcome Reception
- 1 Younger Member Social
- 1 Poster Reception and 4 poster sessions
- 2 Preconference Workshops
- 6 Technical Tours
- Concurrent Younger Member Programming
- Exhibit Hall with Networking Functions

Note: Conference attendees will also have access to sessions at the co-located ASCE International Conference on Automated People Movers and Automated Transit Systems (APM-ATS).

More at www.apmconference.org

Preconference Workshops

1. AI and Emerging Technologies for Integrated Transportation Cybersecurity
2. Government Relations and Public Relations University

Technical Tours

1. GDOT Traffic Management Center and Highway Emergency Response Operators (TMC/HEROs) Tour
2. Atlanta International Airport (ATL) - Behind the Scenes
3. MARTA Control Center - Behind the Scenes
4. Atlanta Beltline Tour
5. Curiosity Labs Tour
6. Delta Technical Operations Tour

#ICTD24



ASCE INTERNATIONAL CONFERENCE ON TRANSPORTATION & DEVELOPMENT

GDOT In Partnership with Georgia Department of Transportation

TIME	SATURDAY, JUNE 15
03:00 PM - 06:00 PM	Workshops
06:00 PM - 07:30 PM	Younger Member Social

TIME	SUNDAY, JUNE 16						
TRACK >	ICTD A	ICTD B	ICTD C	ICTD D	ICTD E	ICTD F	
07:30 AM - 08:30 AM	Light Continental Breakfast						
08:30 AM - 10:00 AM	Opening Super-Plenary						
10:00 AM - 10:30 AM	Networking/Coffee Break						
10:30 AM - 11:45 AM	ICTD Plenary						
11:45 AM - 01:15 PM	Lunch Buffet						
01:15 PM - 02:30 PM	A1	B1	C1	D1	E1	F1	Posters-1
02:30 PM - 03:00 PM	Networking/Coffee Break						
03:00 PM - 04:15 PM	A2	B2	C2	D2	E2	F2	Posters-2
05:00 PM - 07:00 PM	Welcome Reception						

TIME	MONDAY, JUNE 17						
TRACK >	ICTD A	ICTD B	ICTD C	ICTD D	ICTD E	ICTD F	
07:30 AM - 08:30 AM	Light Continental Breakfast						
08:30 AM - 09:45 AM	State DOT CEOs Super-Plenary						
09:45 AM - 10:15 AM	Networking/Coffee Break						
10:15 AM - 11:30 AM	A3	B3	C3	D3	E3	F3	Posters-3
11:45 AM - 01:15 PM	Awards Luncheon (Seated)						
01:30 PM - 02:45 PM	A4	B4	C4	D4	E4	F4	Posters-4
02:45 PM - 03:15 PM	Networking/Coffee Break						
03:15 PM - 04:30 PM	A5	B5	C5	D5	E5	F5	
04:30 PM - 06:00 PM	Poster Reception						

TIME	TUESDAY, JUNE 18						
TRACK >	ICTD A	ICTD B	ICTD C	ICTD D	ICTD E	ICTD F	
07:30 AM - 08:30 AM	Light Continental Breakfast						
08:30 AM - 09:45 AM	A6	B6	C6	D6	E6	F6	
10:00 AM - 11:15 AM	A7	B7	C7	D7	E7	F7	
11:30 AM - 12:15 PM	Closing Plenary						
01:00 PM - 05:00 PM	Technical Tours						

Concurrent Sessions: Sunday, June 16, 1:15 to 2:30 PM

- A1 Promoting Vehicle Automation Fueled by Equitable Financing and Technology Innovations
- B1 GDOT's Innovative Program Delivery
- C1 Aviation Future: Risks, Resilience, Safety, and Readiness
- D1 Where Do I Start? Cybersecurity Assessments and Beyond
- E1 Electrifying the Transportation Grid: Challenges and Opportunities
- F1 Ethics and Equity in Transportation

- Organized by CAV Impacts Committee
- Georgia DOT
- Aviation Planning & Operations Committee
- Public Transport Committee
- Sustainable Transportation Committee
- Planning & Development Council

Concurrent Sessions: Sunday, June 16, 3:00 to 4:15 PM

- A2 Safety of Bicyclists and Pedestrians
- B2 Strategies and Analysis of Shared Mobility Systems
- C2 UAS Applications in Transportation Infrastructure Systems I
- D2 Route Reliability: Navigating Accessibility & Travel Impact
- E2 Advancements in Artificial Intelligence Transforming Infrastructure Systems
- F2 Promoting Active Transportation with Planning and Design

- Organized by Transportation Safety Committee
- MODaaS Committee
- Uncrewed Aerial Systems Committee
- Street & Highway Operations Committee
- Infrastructure Systems Committee
- Active Transportation Committee

Concurrent Sessions: Monday, June 17, 10:15 to 11:30 AM

- A3 Harmonizing Community-Friendly CAV-Enabled Traffic Systems
- B3 Data-Driven Innovations for Urban Mobility and Traffic Spatial Planning
- C3 Aviation Infrastructure: Innovative Designs and Assessments
- D3 Transitioning to a Clean Energy Environment for Public Transportation Fleets
- E3 Detangling Behavioral Intricacies in Sustainable Transportation Decisionmaking
- F3 Assisted Human Drivers and Robot Drivers Working Together to Make our Roads Safer

- Organized by CAV Impacts Committee
- Data Sensing & Analytics Committee
- Aviation Planning & Operations Committee
- Public Transport Committee
- Sustainable Transportation Committee
- Transportation Safety Committee

Concurrent Sessions: Monday, June 17, 1:30 to 2:45 PM

- A4 Proactive Safety
- B4 Transportation & Public Health
- C4 UAS Applications in Transportation Infrastructure Systems II
- D4 Pioneering Future Roads with Emerging Technologies
- E4 Planning for Hydrogen Fueling Infrastructure
- F4 Technology and Data-Driven Methods Toward Improving Safety and Mobility in Active Transportation

- Organized by Transportation Safety Committee
- Planning & Development Council
- Uncrewed Aerial Systems Committee
- Street & Highway Operations Committee
- Infrastructure Systems Committee
- Active Transportation Committee

Concurrent Sessions: Monday, June 17, 3:15 to 4:30 PM

- A5 Innovative Methods of Program Delivery and Workforce Development At GDOT
- B5 Revolutionizing CAV Mobility: Advancements and Challenges in AI-Powered Transportation Systems
- C5 Challenges and Opportunities in Freight and Logistics - Perspective from Practice
- D5 Litigation Risk & Reality in Transportation Construction
- E5 Sustainable Railway Track Infrastructure and Maintenance
- F5 Exploring Environmental Impact, Sustainability, and Technological Advances in Infrastructure Systems

- Organized by Georgia DOT
- AI in Transportation Committee
- Freight & Logistics Committee
- Highway Construction Committee
- Rail Transport Committee
- Infrastructure Systems Committee

Concurrent Sessions: Tuesday, June 18, 8:30 to 9:45 AM

- A6 Construction Materials Digitization in the United States and the Future of the Connected Jobsite
- B6 Frontiers of AI in Transportation: Empowering Safety Through Vision, Language, and Causation Comprehension
- C6 Data-driven Freight and Supply Chain analysis
- D6 Pavement Sustainability
- E6 Infrastructure Project Cost Estimation
- F6 The Challenge of Workforce Development

- Organized by Infrastructure Systems Committee
- AI in Transportation Committee
- Freight & Logistics Committee
- Highway Pavements Committee
- Economics & Finance Committee
- Planning & Development Council

Concurrent Sessions: Tuesday, June 18, 10:00 to 11:15 AM

- A7 Advancing CAV Deployment Resilience Through Virtual Twin Establishment
- B7 Emerging Sensor Innovations for Safeguarding Transportation Infrastructure
- C7 Economics and Financing Electric Vehicles, Communities and Regional Development
- D7 Updates from the GDOT's Traffic Operation Office
- E7 Railway Applications of Automation and AI
- F7 Pavement Infrastructure and Climate Change

- Organized by CAV Impacts Committee
- Data Sensing & Analytics Committee
- Economics & Finance Committee
- Georgia DOT
- Rail Transport Committee
- Highway Pavement Committee