

ASCE International Conference on Transportation & Development (ICTD)



asce-ictd.org



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

May 31 – June 3, 2022 | Hyatt Regency Downtown | Seattle, WA

Preliminary Program Overview

(Subject to change)

TUESDAY, MAY 31, 2022

01:30 - 04:00 PM	Technical Tour: SR 99 Tunnel Tour
Room: 702 Clearwater	
02:00 - 03:00 PM	Workshop: Panel Discussion for Young Transportation Faculty Members Moderator: Chandra Bhat , Member of Board of Governors, Transportation & Development Institute (T&DI) of ASCE; University Distinguished Teaching Professor, Joe J. King Chair in Engineering, Department of Civil, Architectural & Environmental Engineering, Department of Economics, The University of Texas at Austin
Room: 602 Nooksack	
03:10 - 04:10 PM	Workshop: Publishing and Reviewing for ASCE Journals Moderators: Chris Hendrickson , Editor in Chief, ASCE Journal of Transportation Engineering Part A; Hamerschlag University Professor Emeritus, Civil and Environmental Engineering, Carnegie Mellon University; and Sue McNeil , Editor in Chief, ASCE Journal of Infrastructure Systems; Chair, Department of Civil & Environmental Engineering, University of Delaware
Room: 702 Clearwater	
04:20 - 05:50 PM	Workshop: University Transportation Centers (UTC) Technology Transfer Moderator: Laurence R. Rilett , President, Council of University Transportation Centers (CUTC); Director, Auburn University Transportation Research Institute, Ginn Distinguished Professor, Auburn University
Room: Regency Ballroom A (Exhibit Hall)	
06:00 - 07:30 PM	Preconference Event: Icebreaker Reception in the Exhibit Hall

ASCE-T&DI Technical Committee Meetings - *Guests are welcome to attend*

Automated People Movers (APM) Standard Committee, 2:00 to 5:00 PM

Highway Construction Committee (HCC), 5:00 - 6:00 PM

WEDNESDAY, JUNE 1, 2022

07:30 AM - 08:30 AM	Light Continental Breakfast in the Exhibit Hall			
Room >	Regency Ballroom B			
08:30 - 09:45 AM	<p align="center">Day-1 Opening Plenary Session</p> <p>Welcome Remarks: Dennis Truax, ASCE President-Elect; Hon. Jay Inslee, Governor of Washington; Mayor Bruce Harrell, Mayor of Seattle; Hon. Leonard Forsman, Tribal Chairman for the Suquamish Tribe</p> <p>Keynote: Transportation Access for Everyone, Anna Zivarts, Director of the Disability Mobility Initiative Program, Disability Rights Washington</p>			
09:45 - 10:15 AM	Networking Break in the Exhibit Hall			
	TRACK: Workforce Development	TRACK: Inclusion	TRACK: Practical Solutions	APM-ATS Conference
Room >	Elwha A	Elwha B	Regency Ballroom B	702 Clearwater
10:15 - 11:30 AM	Pre-Apprenticeship: Now and Into the Future	Inclusion Confusion	Solutions to Complex Projects can also be Practical	<p align="center">APM-ATS Opening Keynote</p> <p>Seattle-Tacoma International Airport Overview and Regional Highlights, Ryan Pazaruski, Seattle-Tacoma International Airport</p> <p>Back to the Future, William Sproule, Michigan Technological University</p>
11:30 AM - 01:00 PM	Luncheon in the Exhibit Hall			
Room >	Regency Ballroom B			
01:00 - 02:15 PM	<p align="center">Plenary Session: DOT's View on Transportation into the Future</p> <p>Moderator: Roger Millar, Secretary of Transportation, WSDOT</p> <p>Panelists: Shawn Wilson, Secretary, Louisiana DOTD, and President, AASHTO; Shoshana Lew, Executive Director, CDOT; Carlos Braceras, Executive Director, UDOT; Craig Thompson, Secretary of Transportation, WisDOT</p>			
02:15 - 02:45 PM	Networking Break in the Exhibit Hall			
	TRACK: Workforce Development	TRACK: Inclusion	TRACK: Practical Solutions	APM-ATS Conference
Room >	Elwha A	Elwha B	Regency Ballroom B	702 Clearwater
02:45 - 04:00 PM	Managing the Hybrid Workspace	Implementation of the Healthy Environment for All (HEAL) Act	Washington State Ferries: Lessons on Sustainability in a Changing World	APM-ATS: Airports
04:15 - 05:30 PM	WSDOT Mentorship Program	Un-housed Populations	Tolling - Moving More People Efficiently and Equitably	APM-ATS: Urban Systems
Room >	Regency Ball Room Pre-function Area		601 Hoh	602 Nooksack
See specific times >	<p align="center">T&DI Committee Expo (Light Reception)</p> <p align="center">(Meet the committee leaders; learn about the committees; join a committee!)</p> <p align="center">(06:00 - 07:00 PM)</p>		<p>Funding Opportunities for Research Related to Infrastructure Systems and Smart and Connected Communities at National Science Foundation</p> <p>Presenter: Yueyue Fan, NSF</p> <p align="center">(06:00 - 07:30 PM)</p>	<p>Sustainability and Resiliency in Civil Engineering Practice: A Roundtable Discussion</p> <p>Lead Moderator: Joel Farrier, Environmental Group Manager, Burns & McDonnell</p> <p align="center">(05:45 - 07:15 PM)</p>

THURSDAY, JUNE 2, 2022

07:00 AM - 08:00 AM	Light Continental Breakfast in the Exhibit Hall							
Room >	Regency Ballroom B							
08:15 - 09:00 AM	<p align="center">Day-2 Opening Plenary Session</p> <p align="center">Welcome Remarks: David Noyce, T&DI President</p> <p align="center">Keynote: Future World Vision - Mega City 2070, Jerry Buckwalter, Chief Innovation Officer, ASCE</p>							
09:00 - 10:15 AM	<p align="center">Plenary Panel: <u>Envisioning the Future of Cities and Transportation</u>, Paula Hammond, Senior Vice President, National Transportation Market Leader, WSP USA</p> <p align="center">Hani Mahmassani, William A. Patterson Distinguished Chair in Transportation, Northwestern University; Chris Hendrickson, Hamerschlag University Professor Emeritus, Civil and Environmental Engineering, Carnegie Mellon University</p> <p align="center">Moderator: Yinhai Wang, Professor, University of Washington</p>							
10:15 - 10:45 AM	Networking Break in the Exhibit Hall							
	Track: AI & Big Data	Track: CAV Impact & ITS	Track: Planning & Development	Track: Safety & Operations	Track: Infrastructure & Workforce	Track: Aviation and UAS	Track: Transit and Rail	APM-ATS Conference
Room >	601 Hoh	602 Nooksack	606 Twisp	605 Snohomish	607 Wishkah	707 Snoqualmie	708 Sol Duc	702 Clearwater
10:45 AM - 12:00 PM	AI in Transportation I	CAV Impacts I	MOD/MaaS: Recent Advancements	Safe Systems Saving Lives	Cutting Edge Research on Highway Pavements	UAV Applications in Transportation	Electric Bus and Automated Bus Research and Deployment	Panel: Price Certainty in an Uncertain World: Industry Concerns with Fixed-price Contracting for APM Projects
Room >	Regency Ballroom B							
12:00 - 01:15 PM	<p align="center">Awards Luncheon with Awards Presentations</p> <p align="center">Host: David Noyce, T&DI President</p> <p align="center">Luncheon Address: Celebrating 20 Years of Transportation & Development Institute (T&DI) of ASCE</p> <p align="center">Kumares Sinha, Edgar B. & Hedwig M. Olson Distinguished Professor of Civil Engineering, Purdue University</p>							
01:15 - 02:30 PM	<p align="center">Plenary Panel: <u>Safe Mobility</u>, Tenzin Khangtetsang, Operational Safety Lead, Aurora Innovation</p> <p align="center">King Gee, Director of Safety and Mobility, AASHTO; Jeffrey Paul Michael, Distinguished Scholar, Johns Hopkins Center for Injury Research and Policy</p> <p align="center">Moderator: David Yang, Executive Director, AAA Foundation for Traffic Safety</p>							APM-ATS: Major Activity Centers
02:30 - 03:00 PM	Networking Break in the Exhibit Hall							
	Track: AI & Big Data	Track: CAV Impact & ITS	Track: Planning & Development	Track: Safety & Operations	Track: Infrastructure & Workforce	Track: Aviation and UAS	Track: Transit and Rail	APM-ATS Conference
Room >	601 Hoh	602 Nooksack	606 Twisp	605 Snohomish	607 Wishkah	707 Snoqualmie	708 Sol Duc	702 Clearwater
03:00 - 04:15 PM	AI in Transportation II	CAV Impacts II	Urban Freight Challenges	Transportation Safety and Technology	Addressing Finance Challenges of Transportation Infrastructure	Future Transformative Airport Technologies and Designs	Pandemic Impact on Transit Operations	System Innovation
04:30 - 05:45 PM	AI in Transportation III	CAV Impacts III	Safe and Sustainable Development	Promoting Active Travel Through Improved Safety for Vulnerable Users	Addressing Workforce Development Challenges	Post Pandemic Aviation: Going Beyond Public Health to Airports and Airlines Success (6)	Creating Resilient Smart Mobility Clusters	APM-ATS: Planning
06:00 - 07:30 PM	<p align="center">POSTER SESSION: Meet the poster presenters for discussion and Q&A. Posters will be on display on Thursday, June 2 from 10:15 AM to 7:30 PM.</p> <p align="center">(Regency Ball Room Pre-function Area)</p>							
07:30 PM >	<p align="center">Younger Member Offsite Social</p> <p align="center">(Optimism Brewing Company)</p>							

FRIDAY, JUNE 3, 2022

	Track: AI & Big Data	Track: CAV Impact & ITS	Track: Planning & Development	Track: Safety & Operations	Track: Infrastructure & Workforce	Track: From Technology to Development	Track: Transit and Rail	APM-ATS Conference
07:00 AM - 08:00 AM	Light Continental Breakfast in the Exhibit Hall							
Room >	601 Hoh	602 Nooksack	606 Twisp	605 Snohomish	607 Wishkah	707 Snoqualmie	708 Sol Duc	702 Clearwater
08:15 - 09:30 AM	Data-Driven & AI Methods for Optimization of Multimodal Transportation Networks	Cooperative Human-Vehicle-Infrastructure Operations for Safer and Eco-friendly Transportation	Intermodal Infrastructure for Emerging Urban Air Mobility	How to plan our Highways for Incident/Emergency Management and Work Zones	Understanding Alternative Project Delivery Systems in the Transportation Construction Industry	CAV Technology Updates	Providing Transit Services for All	APM-ATS: Engineering & Design I
09:45 - 11:00 AM	Sensing and Data Analytics	Digital Twin and Applications	Transportation Equity Challenges	Macro and Micro Traffic Studies at City-wide, Freeway and at Innovative Interchanges	The Implementation of Alternative Processes and Project Controls to Increase the Potential for Achieving a Successful Project Completion	Airport Infrastructure Development	Freight Rail Operations and Logistics Issues	APM-ATS: Engineering & Design II
11:15 AM - 12:30 PM	Mobility on Demand	C-ITS Services in Rural Areas	Addressing Truck Parking Challenges	Intersection Data Analytics	Work Zone Management Technologies	Transportation Decarbonization, Equity, Sustainability, and Resilience	Innovative and Automated Systems for Freight Railroads	APM-ATS: Engineering & Design III
12:30 - 01:30 PM	Lunch (on your own)							
01:30 - 05:00 PM	<p>Technical Tours</p> <ul style="list-style-type: none"> Amazon Fulfillment Center Tour T-Mobile Tech Experience SR 520 Floating Bridge via Bike Tour Colman Dock Project, Ferry Ride, and Eagle Harbor Maintenance Facility Tour Climate Pledge Arena Tour (Kraken Arena) Seattle International Airport APM Tour 							