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Day One Schedule

Panels Track

9:00 - 9:15  Welcome, Opening Remarks
Speaker: Henry Liu, Director, Center for Connected and Automated Transportation

9:15 - 9:30  Morning Keynote, The Self Drive Act
Speaker: Bob Latta, Congressman, State of Ohio

9:30 - 10:30  Panel 1: Impacts of FCC Rulemaking
On November 18, 2020, the Federal Communications Commission unanimously voted to reallocate a majority of the 5.9 GHz band away from connected vehicle technologies. How will this impact current deployments? Can this decision be reversed? Should it be?

Moderator: Tim Drake, Vice President of Public Policy and Regulatory Affairs, Intelligent Transportation Society of America
Speakers: Sue Bai, Chief Engineer, Honda R&D Americas LLC
Shailen Bhatt, President & CEO, Intelligent Transportation Society of America
Ken Leonard, Director, Intelligent Transportation Systems Joint Program Office
Jim Misener, Senior Director and Global C-V2X Ecosystem Lead, Qualcomm

10:30 - 10:45  Break

Panels Track

10:45 - 11:45  Panel 2: Global CAV Deployments: Where Are They Now?
In 2012, the Safety Pilot Model Deployment Program launched as the first, large-scale, real-world, CAV deployment. Almost nine years later, where is the industry in regards to
connected and automated vehicle deployments? This panel will detail successes, challenges, and lessons learned from three continents.

Moderator: John Abraham, Director of Traffic and Operations, Macomb County (MI)
Speakers: Mary Lynn Buonarosa, Deputy Program Manager (Ann Arbor Connected Environment), University of Michigan Transportation Research Institute
David Clifford, Head of Strategic Innovation, Cavnue
Rita Excell, Executive Director, Australia & New Zealand Driver Vehicle Initiative
Jeff Hood, Principal, Deloitte Consulting
James Long, Head of Technical Consulting, Smart Mobility Living Lab: London

Research Track

10:45 - 11:45 Research Presentation 1: CSU: CAV Systems Incorporating Air Pollution Information from Traffic Congestion
Speaker: Krishnakumar Nedunuri, Professor of Environmental Engineering, Central State University
Ramanitharan Kandiah, Professor of Environmental Engineering & Chair, Central State University

Both Tracks

11:45 - 12:45 Lunch

Panels Track

11:45 - 12:45 Purdue Automated Precision Brine Application Demo

12:45 - 1:45 Panel 3: Safety Metrics for Automated Vehicles
Quantitatively measuring the safety performance of automated vehicles is critical to their large-scale deployment. This panel will discuss various safety metrics, methods, and tools that assess and quantify the performance of AVs, under normal driving and crash imminent conditions.

Moderator: Henry Liu, Director, Center for Connected and Automated Transportation
Speakers: Arno Eichberger, Vice-Director, University of Technology, Graz
David LeBlanc, Associate Research Scientist and Group Head of Engineering Systems Group, University of Michigan Transportation Research Institute
Bowen Weng, Research Engineer, Transportation Research Center Inc.
Jeffrey Wishart, Managing Engineer at the Test and Engineering Center, Exponent Inc., Adjunct Professor in Automotive Systems, Ira A. Fulton Schools of Engineering at Arizona State University

Research Track

12:45 - 1:45  
*Research Presentation 2: UIUC: Multifront Approach for Improving Navigation of Autonomous and Connected Trucks*

Speaker:   Yanfeng Ouyang, George Krambles Endowed Professor of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign

Both Tracks

1:45 - 2:00  
*Break*

Panels Track

2:00 - 3:00  
*Panel 4: The State of MOD/MAAS*

Does the public think that the evolution of on-demand mobility services has changed how they think about transportation? Are they using these services to help fill mobility gaps? Our panel of experts will dissect the state of Mobility on Demand, sharing results from a nation-wide survey digging into how the public views MOD and Mobility as a service and their adoption, deployments around the country, and emerging trends.

Moderator:   Sara Davidson, Senior Technical Lead of Emerging Technologies & Innovative Mobility, Intelligent Transportation Society of America

Speakers:   Kathleen Bower, Senior Vice President of Public Affairs & International Relations, AAA National Office
            Adam Cohen, Senior Research Manager at the Transportation Sustainability Research Center, University of California, Berkeley
            Crissy Ditmore, Principal, Spartan Edge Consulting, LLC
            Andy Taylor, Head of Global Strategy, Cubic Transportation Systems

Research Track

2:00 - 3:00  
*Research Presentation 3: Purdue: Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications for Policy and Planning*
Speakers: Konstantina “Nadia” Gkritza, Professor of Civil Engineering, Purdue University, Director, Sustainable Transportation Systems Research Group (STRG)
Lisa Lorena Losada-Rojas, Ph.D. Candidate of Civil Engineering, Purdue University

Both Tracks

3:00 - 3:15 Closing Remarks
Speaker: Henry Liu, Director, Center for Connected and Automated Transportation

Day Two Schedule

Panels Track

8:30 - 8:35 Welcome
Speaker: Henry Liu, Director, Center for Connected and Automated Transportation

8:35 - 8:45 Opening Remarks
Speaker: Rose Bellanca, President and CEO, Washtenaw Community College

8:45 - 9:30 Morning Keynote
Speaker: Ryan Eustice, Senior Vice President of Automated Driving, Toyota Research Institute

9:30 - 10:30 Panel 1: Transportation Equity
As new technologies in the transportation industry are implemented within the infrastructure, concerns over accessibility arise. Our panel of experts will address the possible gaps that may increase or decrease within underserved communities from a research, industry, and philosophical perspective.

Moderator: Yonah Freemark, Senior Research Associate, The Urban Institute
Speakers: Jacqueline Kuzio, Assistant Transportation Researcher, Texas A&M Transportation Institute (TTI)
Erin McCurry, Product Manager of Accessibility, May Mobility
Brandon Pitts, Assistant Professor of Industrial Engineering, Purdue University, Director, Next-generation Human-systems and Cognitive Engineering (NHanCE) Lab, Faculty Associate, Center for Aging and the Life Course (CALC)
Robert Sparrow, Professor of Philosophy and Chief Investigator in the Australian Research Council Centre of Excellence for Electromaterials Science, Monash University
Research Track

9:30 - 10:30

Research Presentation 1: Akron: Development of a Prototype Safety Advisory System to Aid Older Drivers in Gap Selection

Speaker: Ping Yi, Professor of Civil Engineering, The University of Akron

Both Tracks

10:30 - 10:45

Break

Panels Track

10:45 - 11:45

Panel 2: Truck Platooning

There are several areas of interest concerning truck platooning throughout the United States and the rest of the world. From Level 1, which utilizes V2V communication with both drivers still steering and monitoring the environment, to implementation with a statewide traffic management plan. This panel will discuss these along with fuel efficiency benefits and driver’s perspective from leaders in the US and Europe.

Moderator: Imad L. Al-Qadi, Bliss Professor of Engineering, University of Illinois at Urbana-Champaign, Director, Illinois Center for Transportation

Speakers: Richard Bishop, Principal, Bishop Consulting

Marsia Geldert-Murphey, Regional Director - Illinois and Missouri Operations, Lochmueller Group

Sabine Hammer, Professor of Social Research, Fresnious University of Applied Science - School of Therapy & Social Work

Sirdhar Lakshmanan, Associate Professor of Electrical and Computer Engineering, University of Michigan-Dearborn

Research Track

10:45 - 11:45


Speaker: Shan Bao, Associate Research Scientist, University of Michigan Transportation Research Institute

Both Tracks

11:45 - 12:45

Lunch
Panels Track

11:45 - 12:45  Tour and Overview of Washtenaw Community College’s Advanced Transportation Center
Speaker:  Al Lecz, Director of the Advanced Transportation Center, Washtenaw Community College

12:45 - 1:30  Afternoon Keynote
Speaker:  Alec Gallimore, Robert J. Vlasic Dean of Engineering, University of Michigan

Student Poster Competition Track

1:30 - 3:00  Presentations of Student Research and Audience Voting

All Tracks

3:00 - 3:15  Break

Panels Track

3:15 - 3:30  Student Award Winners Announced and Closing Remarks
Speaker:  Henry Liu, Director, Center for Connected and Automated Transportation