



The Iowa Advisory Council on Automated Transportation is intended to increase roadway safety, personal mobility, and freight movement within the state of Iowa by advancing highly automated vehicle technologies. The Council provides guidance, recommendations, and strategic oversight of automated transportation activities in the state. The structure of the ATC Press Clippings is done to align with the subcommittees and working groups that exist for the Council while aiming to keep the Council and other interested parties informed. Learn more at iowadrivingav.org/

Articles and upcoming events

June 10, 2024

Infrastructure Readiness

[China's capital city is opening a robotaxi route to a major train station, startup Pony.ai say – CNBC](#)

This month, Beijing began allowing tests of robotaxis with human staff inside to run the 40-minute route between a major high-speed train station and a suburban area to its south. By the end of this year or early next year, that train station route will likely be fully driverless, with no human staff inside.

[The Potential of QR Codes for Self-Driving Car Technology – GIS user](#)

Integrating QR codes into self-driving car technology could improve communication with infrastructure, offering valuable data like road conditions and safety alerts, bolstering safety and efficiency. However, widespread adoption demands standardized protocols and strong cybersecurity measures to maintain reliability and mitigate risks.

Testing of I-94 automated vehicle corridor project begins in Michigan – MLive

Testing has commenced on the I-94 Automated Vehicle Corridor Project in Michigan. The pilot project involved placing the dividers separating the express lane traffic, installing improved pavement markings and guardrails, completing a high-friction surface treatment and positioning new lighting, officials said. The poles erected in the median are outfitted with cameras, radar sensors and wireless radio equipment meant to communicate with technology-enabled vehicles. [MDOT project webpage](#)

FEATURE: Does the Netherlands have the most advanced V2X in the world? – Traffic Technology Today

The Netherlands comprehensive approach to V2X integration showcases a model for other nations seeking to optimize their transportation systems through smart infrastructure. Their extensive deployment of V2X technology enables various safety and efficiency benefits, such as reducing traffic congestion and enhancing road safety.

Seeing Promise in Data, Utah to Expand Connected Vehicle Work – Government Technology

The project has deployed about 490 “roadside units” (RSUs), which communicate with onboard units — technology installed on public-sector vehicles, which can vary from light-duty cars and trucks to city buses and snowplows. About 190 vehicles are part of the program. The expansion would increase the number of connected vehicles to 256 and add another 300 RSUs by the end of the year.

Policy & Legislation

Delaware bill seeks to require safety operators aboard large AVs – Trucking Dive

A group of Delaware senators is looking to restrict AV testing and deployment in the state for vehicles weighing 10,001 pounds or more by requiring a safety operator aboard. The update closely resembles the bill going before the California State Senate.

IIHS and senators urge NHTSA to take action on automated driver assists – Auto blog

IIHS and senators are calling on NHTSA to take decisive action regarding automated driver assistance systems. Concerns are raised about the potential misuse and misunderstanding of these systems, leading to accidents and fatalities.

There's a push for clearer regulations and improved oversight to ensure the safety and effectiveness of these technologies on the road.

Autonomous vehicle insurance policies to be 'radically different' – report – Yahoo Finance

As self-driving technology evolves, insurance models may shift towards covering manufacturers and technology providers rather than individual drivers. This shift could lead to more affordable premiums for consumers while posing challenges for insurers in assessing liability and risk.

Economic Development

GM's Cruise is testing robotaxis in Dallas again – TechCrunch

Cruise is redeploying a fleet of AVs in Dallas, Texas. At first, its AVs will be manually driven around Dallas to collect mapping and road data. Its goal is to earn public trust and build community partnerships.

Amazon's robotaxi unit Zoox to begin testing in Austin, Miami – Reuters

Amid NHTSA crash probe, Zoox will deploy its test fleet of retrofitted Toyota Highlanders with human safety drivers in small areas near the business and entertainment districts of Austin, Texas and Miami, Florida, marking the fourth and fifth testing locations for Zook.

Nissan demonstrates autonomous-drive mobility services progress on public roads – Nissan

Nissan showcases advancements in autonomous drive mobility services by conducting public road demonstrations. The demonstration highlights Nissan's commitment to developing autonomous driving technology for practical use, aiming to enhance mobility services.

Self-Driving Company Launches at French Open – IOT World Today

The bus, fitted with WeRide's full-stack, self-developed autonomous driving software and hardware system operates during daylight hours on a route that is approximately three miles long and takes about 12 minutes. The development of the bus is a cornerstone of the Renault Group's new autonomous strategy, which focuses on public transport solutions.

Public Safety & Enforcement

School crossing guards say they've had to dodge driverless cars to avoid being hit – NBC Bay Area

Crossing guards were interviewed and several indicated that they have had near misses with driverless cars. Some crossing guards indicated that they are better than drivers. U.S. Rep Kevin Mullin sent a letter to NHTSA requesting that the agency force driverless car companies to reveal how often they are involved in near misses.

Driverless cars: How Scottish scientists can help cyclists avoid crashes with autonomous vehicles – The Scotsman

Scottish scientists are exploring ways to enhance cyclist safety by developing technology that enables cyclists to communicate with autonomous vehicles. This initiative aims to reduce the risk of accidents by allowing cyclists to transmit signals to self-driving cars, notifying them of their presence and intentions on the road.

Rivian Is Betting Big on Autonomous Driving With Its Upgraded Autonomy Platform – Auto Evolution

The upgraded autonomy platform promises to deliver advanced driver-assistance features and lays the groundwork for future fully autonomous driving capabilities in Rivian's vehicles.

China Approves Advanced Self-Driving Tests for 9 Automakers – IOT World Today

The list of automakers includes several familiar names selected to test vehicles with Level 3 tech in designated areas of seven cities including Beijing and Shanghai. The aim is for the pilot to assist in developing the vehicles for mass production, as well as helping to generate data that will shape regulatory and technical standards nationwide.

Research, Development, Testing & Evaluation

Assessing Safety and Mobility Benefits of Autonomous Ride Sharing Services – Florida DOT

The Florida DOT has released a research report showing that exposure to automated shuttles (AS) led to significant increases in AS acceptance by older adults but also highlighted the challenges that remain when AS is offered to the

older adult community, such as having a limited knowledge or distrust of technology.

Risks Related to Emerging and Disruptive Transportation Technologies: A Guide – TRB NCHRP

NCHRP Research Report 1090: Risks Related to Emerging and Disruptive Transportation Technologies: A Guide, from TRB's National Cooperative Highway Research Program, presents a register of risks to state and local transportation agencies and their constituents posed by four emerging technologies: electric vehicles (EVs), connected autonomous vehicles (CAVs), mobility on demand/mobility as a service (MOD/MaaS), and advanced air mobility (AAM).

The case for coding autonomous vehicles with human values – Cosmos

The article discusses how artificial intelligence programmers use a process called value alignment to ensure automated vehicles don't become like Stephen King's "Christine" by developing a mind of their own. Value alignment takes place by programming AI to behave in a manner representing human goals.

AVSC Best Practice for Core Automated Vehicle Safety Information – SAE International

This best practice describes how safety is continuous and connected throughout lifecycle stages and highlights considerations when including safety metrics as part of the communicated information. It lists topics that are considered core, provides a rationale, illustrative examples where applicable, suggestions of content that could be included for the example, and lists references and industry examples for further information.

Upcoming Events

Quantifying Autonomous Vehicle Pedestrian Interactions at Intersections Safety Research Using Simulation (SAFER-SIM)

Tuesday, June 11
3:00 p.m.

Presenters:

Pei Li - University of Wisconsin-Madison

Dr. Brian Park on the Future of Connected Vehicles: Development, Application, and Deployment

Sustainable Mobility and Accessibility Regional Transportation Equity Research (SMARTER) Center
Wednesday, June 12
2:00 p.m.

Presenters:

Dr. B. Brian Park - University of Virginia

PAVE Virtual Panel – “From Code to Road: Oxa and Beep CEOs to Discuss Commercial Deployment in Jacksonville”

Partners for Automated Vehicle Education (PAVE)

Thursday, June 20

1:00 p.m.

Presenters:

Gavin Jackson - Oxa

Joe Moye - Beep