



IOWA ADVISORY COUNCIL ON
**AUTOMATED
TRANSPORTATION**



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 May 28, 2024

Infrastructure Readiness

[Biden-Harris Administration Announces Third Year of SMART Grants, Funding Transportation Technology and Innovation](#) – US DOT

The funding opportunity is open to public sector entities seeking to carry out transportation projects that demonstrate at least one of the following technology areas: Coordinated automation, Connected vehicles, Sensors, Systems integration, Delivery/logistics, Innovative aviation, Smart grid, or Traffic signals. Successful projects will create sustainable partnerships across sectors and levels of government, engaging industry, labor, academia, and nonprofits to better meet community transportation needs. [FY24 Stage 1 SMART Grants Notice of Funding Opportunity](#)

[Data in Driver's Seat for Portland, Ore., Zero-Emission Delivery](#) – Government Technology

Funded by a \$2 million SMART grant, the city will launch a small zero-emission delivery zone, known as ZDEV, which will operate and gather data for about six months and collaborate with service operators on effectively removing delivery-related vehicles with emissions from a section of downtown. Officials will modify parking regulations governing delivery trucks to prioritize zero-emission vehicles, and ZDEV loading zones will be monitored by sensors to gather data.

[NCDOT Finalizes Strategic Plan for Autonomous Transportation](#) – Watunga Online

The North Carolina DOT unveiled its [Advanced Transportation Mobility Strategic Plan](#), marking a significant move in its endeavor to enhance transportation through innovative air and ground mobility technologies. [Advance Mobility NC](#) aims to leverage the work of NCDOT's Aviation, Integrated Mobility and Rail divisions to create a multimodal transportation system that improves the movement of people and freight. The plan outlines actions to integrate cutting-edge technologies such as connected and automated vehicles, electric zero-emission aircraft, and other innovations into the state's transportation infrastructure.

[When Counting Broadband Users, Remember Connected Vehicles](#) – Government Technology

Much of the discussion around broadband expansion has been focused on connecting large swaths of the nation with no Internet or less-than-stellar infrastructure. But, technology panelists said last week, the need for rapid connectivity infrastructure is essential to much of the real-time, vehicle-to-everything environment needed to support the widespread application of AVs.

Policy & Legislation

[UK law makes OEMs responsible for self-driving crashes](#) – Traffic Technology Today

The Automated Vehicles (AV) Act came into force in the UK this week (May 20, 2024) and sets a groundbreaking legal framework that formally transfers liability for crashes from drivers to corporations like software developers and automotive manufacturers when self-driving systems are engaged.

[Bill legalizing self-driving cars awaits Gov. Ivey's signature](#) – Alabama Political Reporter

If signed, SB226 would legalize self-driving cars for personal use and prevent local governments from regulating or taxing them

[Tesla must face vehicle owners' lawsuit over self-driving claims](#) – Reuters

A U.S. federal judge has ruled that Tesla must proceed with a lawsuit filed by vehicle owners regarding the company's self-driving technology claims. The lawsuit alleges that Tesla's marketing of its Full Self-Driving (FSD) capability is misleading and deceptive. This ruling suggests that Tesla will face legal scrutiny over the accuracy and transparency of its autonomous driving claims.

 **Economic Development**

[Gatik, Isuzu aim to mass produce AVs in 2027](#) – Trucking Dive

Gatik AI and Isuzu Motors are collaborating to mass produce Class 3-7 self-driving trucks that don't require drivers. Isuzu will invest \$30 million in Gatik to help further middle-mile autonomous driving development. That investment deepens an existing partnership that began in 2021.

[Volvo teams up with Aurora to reveal an autonomous semi truck](#) – The Verge

Volvo unveiled its "production ready" truck developed in collaboration with Aurora. Based on Volvo's VNL Class 8 semi truck, the autonomous version is equipped with a range of sensors and cameras to support Aurora's Level 4 autonomous driving system. Aurora aims to deploy 20 fully autonomous trucks this year, with plans to expand to around 100 trucks by 2025 and eventually offer its technology to other companies.

[Renault announces production of Level 4 autonomous robotized miniBus](#)
– New Atlas

Renault made an announcement outlining major changes to its AV strategy and announcing the production of a robotized electric miniBus. The biggest change in their AV strategy involves focusing its more advanced autonomous technologies on the public transportation sector. Renault and WeRide will be trialing electric and autonomous shuttles to help with access to the Roland-Garros stadium during the 2024 French Open.

[Hyundai is spending close to \\$1B to keep self-driving startup Motional alive](#)
– TechCrunch

Hyundai has agreed to spend nearly \$1 billion on Motional, an investment that will give the automaker a majority stake while providing the self-driving startup with the necessary capital to keep operating.

[Autos giant Peugeot is trialing driverless tech — with a twist — for Amazon-style deliveries](#) – NBC New York

French car giant Peugeot told CNBC this week that it's partnering with Vay, a German mobility startup, to integrate so-called "teledriving" tech — an alternative to autonomous cars — into its vehicles. The deal will see the two companies assess the use of Vay's teledriving tech on "last-mile delivery" vans and smaller logistics vehicles, with a focus on business-to-business (B2B) customers.

 **Public Safety & Enforcement**

[A Tesla owner says his car's 'self-driving' technology failed to detect a moving train ahead of a crash caught on camera](#) – NBC News

A Tesla owner claims their car's Full Self-Driving (FSD) mode was engaged during a near train collision. The video footage shows the Tesla driving under foggy conditions and not slowing for stop bar or train. The owner identified having a similar experience once before.

[Feds add nine more incidents to Waymo robotaxi investigation](#) – TechCrunch

NHTSA has added nine additional incidents to its investigation of Waymo's autonomous taxi service since starting earlier this month. The incidents included either self-driving crashes or driverless vehicles that exhibited driving behavior that potentially violated traffic safety laws.

[Amazon's self-driving robotaxi unit Zoox under investigation by US after 2 rear-end crashes](#) – AP News

Amazon's self-driving robotaxi unit is being investigated by the U.S. government's highway safety agency after two of its vehicles braked suddenly and were rear-ended by motorcyclists. The agency said the probe will focus on the performance of the company's automated driving system during the crashes,

as well as how it behaves in crosswalks around pedestrians and other vulnerable road users.

[Maine DOT Employs New Roadway Safety Technology](#) – Roads and Bridges

This year the Maine DOT will deploy portable sensors miles ahead of interstate work zones that can monitor vehicle speeds and volumes, allowing the department to collect real-time traffic information. This information can be shared with drivers on digital message boards alerting them to what's ahead.

Research, Development, Testing & Evaluation

[Mississippi State University launches first autonomous shuttle pilot program with Beep](#) – ADAS & Autonomous Vehicle International

The pilot will feature two 11-passenger, attendant-led autonomous electric shuttles operating on routes between the core campus, student housing and popular entertainment locations. MSU will collect data from riders to determine optimal routes and ridership patterns. Beep says it will collaborate with the Mississippi DOT and various safety administrations to obtain the necessary approvals for this test program.

[How smart traffic lights may shorten your commute](#) – MSN

Sensors in the ground communicate with the traffic signals to constantly retime the signals based on road conditions. If more cars are coming in one direction, the direction with heavier traffic flow will get more time with a green light. The signals will retime themselves about every three to five minutes, to perform at the optimal level

[Reducing Big Rig Parking Problems](#) – UConn Today

UConn is working with the state and federal Department of Transportation to develop an app that will find safe parking places for truckers. The proposed ITS framework will consist of sensors – a mix of video cameras, in-ground and infrared sensors, radar, and laser scanners – a data processing component supported by a state-operated Advanced Traffic Management System or private server, and an assortment of technology that drivers can use to determine where parking is available.

[Enhancing Public Transit with Autonomous Mobility Service to Cover the "Last Mile" – Minnesota DOT Transportation Research Blog](#)

A recent study explores the integration of autonomous mobility services to improve public transit accessibility, particularly for the "last mile" problem. [Final Report: Designing an Autonomous Service to Cover Transit's Last Mile in Low-Density Areas](#)

 **Upcoming Events**

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

June 11

3:00 p.m.

Presenter:

Pei Li - University of Wisconsin-Madison

 **Recent Events**

ATC Council Meeting (meeting summary coming soon)

Iowa Advisory Council on Automated Transportation

Thursday, April 18

This email was sent to you by the Iowa Advisory Council on
Automated Transportation