

SOUTHWEST RESEARCH INSTITUTE®

Connected & Automated Vehicles

Automated vehicle development, integration, and testing

- Platform agnostic autonomy stack – deployed on 20+ vehicles
- Sensing and perception
- Localization
- World modeling and situational awareness
- Navigation and behaviors
- Vehicle control
- Testing and safety assessment tools
 - Modeling and simulation
 - Scenario analytics

Connected vehicle integration and testing

- Vehicle-to-vehicle (V2V)
- Vehicle-to-infrastructure (V2I)

connectedvehicle.swri.org

Connected and automated vehicles (CAVs) leverage vehicle networks, sensing, and perception to enhance safety and driver convenience. CAVs also present opportunities to improve vehicle energy efficiency and performance.

Southwest Research Institute® (SwRI®) is a leader in developing, integrating, and testing technologies for connected vehicles (CVs) and infrastructure, automated driving systems (ADS), and advanced driver assistance systems (ADAS) to improve roadway safety and mobility.

SwRI develops connected and automated vehicles and solutions for vehicle manufacturers, Tier-1 suppliers, transportation agencies, and research laboratories. SwRI also serves as a test bed for federal, state, and local agencies.



**We welcome your inquiries.
For more information, please contact:**

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SOUTHWEST RESEARCH INSTITUTE

Southwest Research Institute® is a premier independent, nonprofit research and development organization. With eleven technical divisions, we offer multidisciplinary services leveraging advanced science and applied technologies. Since 1947, we have provided solutions for some of the world's most challenging scientific and engineering problems.

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