



## TRB Snap Search: Connected & Automated Vehicles

### TRB's involvement in research on Connected & Automated Vehicles from 2017-2019

The [Transportation Research Board \(TRB\)](#) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice
- Management of cooperative research and other research programs
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world

### TRB Research

**TRID** – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation

- Click here to view [search results](#) on TRB published research on Connected & Automated Vehicles within the past two years.

### Specialty Websites

- [Transformational Technologies](#)

### Recent Reports & Publications

- [National Cooperative Highway Research Program \(NCHRP\)](#)
  - [Briefing Document](#) - Strategies to Advance Automated and Connected Vehicles
  - [Brochure](#) - Connected and Automated Vehicles: NCHRP Support for Transportation Agency Leaders
  - [Report 845](#) - Advancing Automated and Connected Vehicles: Policy and Planning Strategies for State and Local Transportation Agencies
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 1: Legal Landscape
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 2: State Legal and Regulatory Audit
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 3: Legal Modification Prioritization and Harmonization Analysis
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 4: Autonomous Vehicle Action Plan
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 5: Developing the Autonomous Vehicle Action Plan
  - [Web Only Document 253](#) - Implications of Connected and Automated Driving Systems, Vol. 6: Implementation Plan
  - [Web Only Document 239](#) - Impacts of Laws and Regulations on CV and AV Technology Introduction in Transit Operations
- [Policy Studies](#)
  - [Letter Report](#) - Transit Research Analysis Committee Letter Report: August 24, 2018
  - [Special Report 308](#) – The Safety Promise and Challenge of Automotive Electronics: Insights from Unintended Acceleration
- [Transportation Research E-Circulars](#)
  - [E-Circular 234](#) - National Academies–TRB Forum on Preparing for Automated Vehicles and Shared Mobility
  - [E-Circular 232](#) - Automated Vehicles Symposium 2017: Summary of a Symposium
  - [E-Circular 222](#) - Automated Vehicles Symposium 2016
  - [E-Circular 219](#) - The U.S. Department of Transportation's Smart City Challenge and the Federal Transit Administration's Mobility on Demand Sandbox: Advancing Multimodal Mobility and Best Practices Workshop
- [Transportation Research Record: Journal of the Transportation Research Board](#)
  - [Volume 2645](#) - Information Technology, Geospatial Information, and Advanced Computing
  - [Volume 2625](#) - Connected and Automated Vehicles

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- [Volume 2623](#) - Traffic Flow Theory and Characteristics, Volume 2

**Current & Upcoming Projects**

- **Current Projects**
  - [ACRP 01-35](#) - Transportation Network Companies (TNCs): Impacts to Airport Revenues and Operations
  - [ACRP 03-47](#) - Rethinking Airport Parking Facilities to Protect and Enhance Non-Aeronautical Revenue
  - [ACRP 03-48](#) - Advanced Ground Vehicle Technologies (AGVT) for Airside Operations
  - [NCHRP 03-127](#) - Cybersecurity of Traffic Management Systems
  - [NCHRP 08-116](#) - Framework for Managing Data from Emerging Transportation Technologies to Support Decision-Making
  - [NCHRP 08-117](#) - Impact of Transformational Technologies on Land Use and Transportation
  - [NCHRP 20-24\(112\)](#) - Connected Road Classification System (CRCS) Development
  - [NCHRP 20-102](#) - Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies--Task-Order Support
  - [NCHRP 20-102\(10\)](#) - Cybersecurity Implications of CV/AV Technologies on State and Local Transportation Agencies
  - [NCHRP 20-102\(11\)](#) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
  - [NCHRP 20-102\(12\)](#) - Business Models to Facilitate Deployment of CV Infrastructure to Support AV Operations
  - [NCHRP 20-102\(15\)](#) - Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure
  - [NCHRP 20-102\(19\)](#) - Update AASHTO's Connected Vehicle/Automated Vehicle Research Roadmap
- **Upcoming Projects**
  - [NCHRP 14-42](#) - Determining State DOT Maintenance Program Implications of Connected and Automated Vehicles
  - [NCHRP 17-91](#) - Assessing the Impacts of Connected, Automated and Autonomous Vehicles on the Future of Transportation Safety
  - [NCHRP 20-24\(116\)](#) - Guidance on Roles and Responsibilities in Operation of Automated Vehicles
  - [NCHRP 20-24\(119\)](#) - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
  - [NCHRP 20-102\(05\)](#) - Strategic Communications Plan for NCHRP Project 20-102
  - [NCHRP 20-102\(16\)](#) - Preparing TIM Responders for Connected Vehicles and Automated Vehicles
  - [NCHRP 20-102\(18\)](#) - Minimum Safety Data Needed for Automated Vehicle Operations and Crash Analysis
  - [TCRP J-11/Task 27](#) - Low-Speed Automated Vehicles (LSAV) in Public Transportation

**Reports from the [National Academies Press](#) on Connected & Automated Vehicles**

- [Autonomy on Land and Sea and in the Air and Space](#)
- [The Frontiers of Machine Learning - 2017 Raymond and Beverly Sackler U.S.-U.K. Scientific Forum](#)
- [Frontiers of Engineering - Reports on Leading-Edge Engineering from the 2017 Symposium](#)
- [Strategies to Advance Automated and Connected Vehicles: Briefing Document](#)
- [Review of the Research Program of the U.S. DRIVE Partnership: Fifth Report](#)

**Committees & Panels**

[Sign-up to be a committee "Friend"](#)

**TRB Standing Committees** – Search by transportation mode and committee topic

- [A0099F](#) - European-U.S. Transportation Research Symposia--Symposium #6: Socioeconomic Impacts of Connected and Automated Vehicles
- [ABJ70](#) - Artificial Intelligence and Advanced Computing Applications
- [AHB15](#) - Intelligent Transportation Systems
- [AHB30](#) - Vehicle-Highway Automation
- [AL040](#) - Emerging Technology Law
- [AND20](#) - User Information Systems
- [AP040](#) - Automated Transit Systems
- [E0005A](#) - TRB Forum on Preparing for Automated Vehicles and Shared Mobility

**Task Forces** - Search for *task force* under committee here

- [ABJ92T](#) - Understanding Big Data in Freight Transportation

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**Panels**

- [D20102](#) - NCHRP Project Panel on Impacts of Connected and Automated Vehicles on State and Local Transportation Agencies
- [DA0330](#) - ACRP Project Panel on Impact of Commercial Unmanned Aerial Vehicles on Airports

**Councils**

- [A0040T](#) - Young Member Council

**Recent and Upcoming Events**

[Upcoming Conferences](#) - Left hand menu “upcoming conferences by topic”  
(Conferences cosponsored by TRB are denoted with an asterisk.)

**[International Conference on Demand Responsive and Innovative Transportation Services](#)**

April 15-17, 2019

Baltimore, Maryland

**[6th International Conference on Women's Issues in Transportation \(WliT 2019\)](#)**

September 10-13, 2019

Irvine, California

[Webinars](#) - View upcoming webinars, suggest a webinar or add registration information

[Past Webinars](#)

- [Disruptive Technologies: Impacts on Transportation Revenues](#) - September 6, 2018
- [Technology Changes Influencing the Decline of Vehicle Emissions](#) - April 25, 2018
- [Policy and Planning Actions to Address Connected and Automated Vehicles](#) - November 8, 2017
- [U.S. DOT's Smart City Challenge and FTA's MOD Sandbox: Advancing Multimodal Mobility and Practices](#) - February 13, 2017

**TRB's Transportation Research Information Services (TRIS)**

TRIS includes the [TRB Library](#) and the [TRIS Databases](#) (listed below) which are available for free on TRB's website.

The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work

The TRB Library provides training on effective and efficient use of the following TRIS resources:

**TRID** - The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation - [trid.trb.org](#)

**Practice Ready Papers (PRP) Database** - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort - [prp.trb.org](#)

**Publications Index (PubsIndex) Database** - The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - [pubsindex.trb.org](#)

**Research in Progress (RiP) Database** - Current or recently completed transportation research projects - [rip.trb.org](#)

**Research Needs Statements (RNS)** - Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](#)

Contact the Library at [TRBLibrary@nas.edu](mailto:TRBLibrary@nas.edu) or l (202) 334-2989