TRB Snap Search: Electric Vehicles

TRB's involvement in research on Electric Vehicles from 2018-2020

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

All available Snap Searches can be accessed online here: [http://www.trb.org/InformationServices/Snap.aspx](http://www.trb.org/InformationServices/Snap.aspx)

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 Electric Vehicles within the past two years.

Recent Reports & Publications

- National Cooperative Highway Research Program (NCHRP)
  - Report 924 - Foreseeing the Impact of Transformational Technologies on Land Use and Transportation

- Transit Cooperative Research Program (TCRP)
  - Report 211 - Guidebook for Detecting and Mitigating Low-Level DC Leakage and Fault Currents in Transit Systems
  - Synthesis 130 - Battery Electric Buses—State of the Practice

Current & Upcoming Projects

- Current Projects
  - ACRP 03-51 - Electric Aircraft of the Horizon -- An Airport Planning Perspective
  - Transit IDEA J-04/IDEA 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities

- Upcoming Projects
  - BTSCRPTS-10 - E-Scooter Safety: Issues and Solutions
  - NCHRP Synthesis.20-05/Topic 52-13 - Shared Micromobility Policies, Permits, and Practices

Reports from the National Academies Press on Electric Vehicles

- Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two
- Frontiers in Thermal Transport and Energy Conversion
- Frontiers of Engineering - Reports on Leading-Edge Engineering from the 2017 Symposium
- Deploying Sustainable Energy During Transitions
- Combat Vehicle Weight Reduction by Materials Substitution

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- ADC00 - Environment and Energy
- AMS30 - Transportation Energy
- AMS40 - Alternative Fuels and Technologies
- AP020 - Emerging and Innovative Public Transport and Technologies
- AP050 - Bus Transit Systems
 Task Forces - Search for task force under committee here

Project Panels

- DA0351 - Electric Aircraft on the Horizon -- An Airport Planning Perspective
- STSA41 - Electric Battery Buses – State of the Practice

Councils

- A001C – Young Members Coordinating Council

Recent and Upcoming Events

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

- **Automated Vehicles Symposium 2020**
  *July 27-30, 2020*
  San Diego, CA

- **Bridging Transportation Researchers Online Conference**
  *August 11-12, 2020*
  Online

- **ITS World Congress 2020**
  *October 4-8, 2020*
  Los Angeles, California

Webinars - View upcoming webinars, suggest a webinar or add registration information

Past Webinars

- ** Priming the Pump: Cleaner Approaches to Airport Ground Transportation** - May 8, 2019
- **Programs to Support the Deployment of the Electric Vehicle Infrastructure** - April 3, 2019
- **Technology Changes Influencing the Decline of Vehicle Emissions** - April 25, 2018

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available 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](http://trid.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](http://pubsindex.trb.org)

- **Research in Progress (RIP) Database** – Current or recently completed transportation research projects - [rip.trb.org](http://rip.trb.org)

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

Contact the Library at TRBLibrary@nas.edu or (202) 334-2989