



TRANSPORTATION RESEARCH BOARD

## TRB Snap Search: Cybersecurity

### TRB's involvement in research on Cybersecurity from 2016-2019

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 Cybersecurity within the past two years.

### Subject Webpage

- [TRB Cybersecurity Resource Center](#)

### Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
  - [Report 140](#) - Guidebook on Best Practices for Airport Cybersecurity
- [National Cooperative Highway Research Program \(NCHRP\)](#)
  - [Web-Only Document 221](#) – (TCRP 67) Protection of Transportation Infrastructure from Cyber Attacks: A Primer
- [Transportation Research Circulars](#)
  - [E-Circular 208](#) - Transformational Technologies in Transportation: State of the Activities
- [Transportation Research Record: Journal of the Transportation Research Board](#)
  - [Volume 2619](#) - Framework for Evaluating the Severity of Cyber vulnerability of a Traffic Cabinet
  - [Volume 2604](#) - Risk and Resilience Analysis for Highway Assets

### Current & Upcoming Projects

- [Current Projects](#)
  - [NCHRP 03-127](#) - Cybersecurity of Traffic Management Systems
  - [NCHRP 20-102\(10\)](#) - Cybersecurity Implications of CV/AV Technologies on State and Local Transportation Agencies
  - [NCHRP 20-102\(12\)](#) - Business Models to Facilitate Deployment of CV Infrastructure to Support AV Operations
- [Upcoming Projects](#)
  - [NCHRP 20-24\(116\)](#) - Guidance on Roles and Responsibilities in Operation of Automated Vehicles
  - [NCHRP 20-102\(14\)](#) - Data Management Strategies for CV/AV Applications for Operations
  - [NCHRP 20-115](#) - Deploying Transportation Security Practices in State DOTs
  - [NCHRP 20-124](#) - Deploying Transportation Security Practices in State DOTs

### Reports from the [National Academies Press](#) on Cybersecurity

- [Decrypting the Encryption Debate - A Framework for Decision Makers](#)
- [Recoverability as a First-Class Security Objective](#)
- [Emerging Trends and Methods in International Security](#)
- [Emergency Alert and Warning Systems - Current Knowledge and Future Research Directions](#)
- [Foundational Cybersecurity Research: Improving Science, Engineering, and Institutions](#)
- [Software Update as a Mechanism for Resilience and Security](#)
- [Cryptographic Agility and Interoperability](#)

## Committees & Panels

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

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

- [ABR10](#) – Critical Transportation Infrastructure Protection
- [AL040](#) – Emerging Technology Law
- [AV090](#) – Aviation Security and Emergency Management
- [D03127](#) – Cybersecurity of Traffic Signals and Related ITS Equipment
- [D205948](#) – Protection of Transportation Infrastructure from Cyber Attacks
- [DA0502](#) – Airport Cyber Security Best Practices

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

- [ABI55T](#) – Data Privacy, Security and Protection Policy
- [AP018T](#) – Transit Safety and Security

### 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.)*

**[Ninth International Conference on Structural Health Monitoring of Intelligent Infrastructure \(SHMII-9\)\\*](#)**

*August 4-7, 2019*

**St. Louis, Missouri**

**[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

- [Hacks and Attacks: Keeping Critical Transportation Infrastructure Resilient](#) – August 30, 2018
- [Effective Practices for the Protection of Highway Transportation Infrastructure from Cyber Incidents](#) – February 21, 2017

## 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](#)

**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 1 (202) 334-2989