

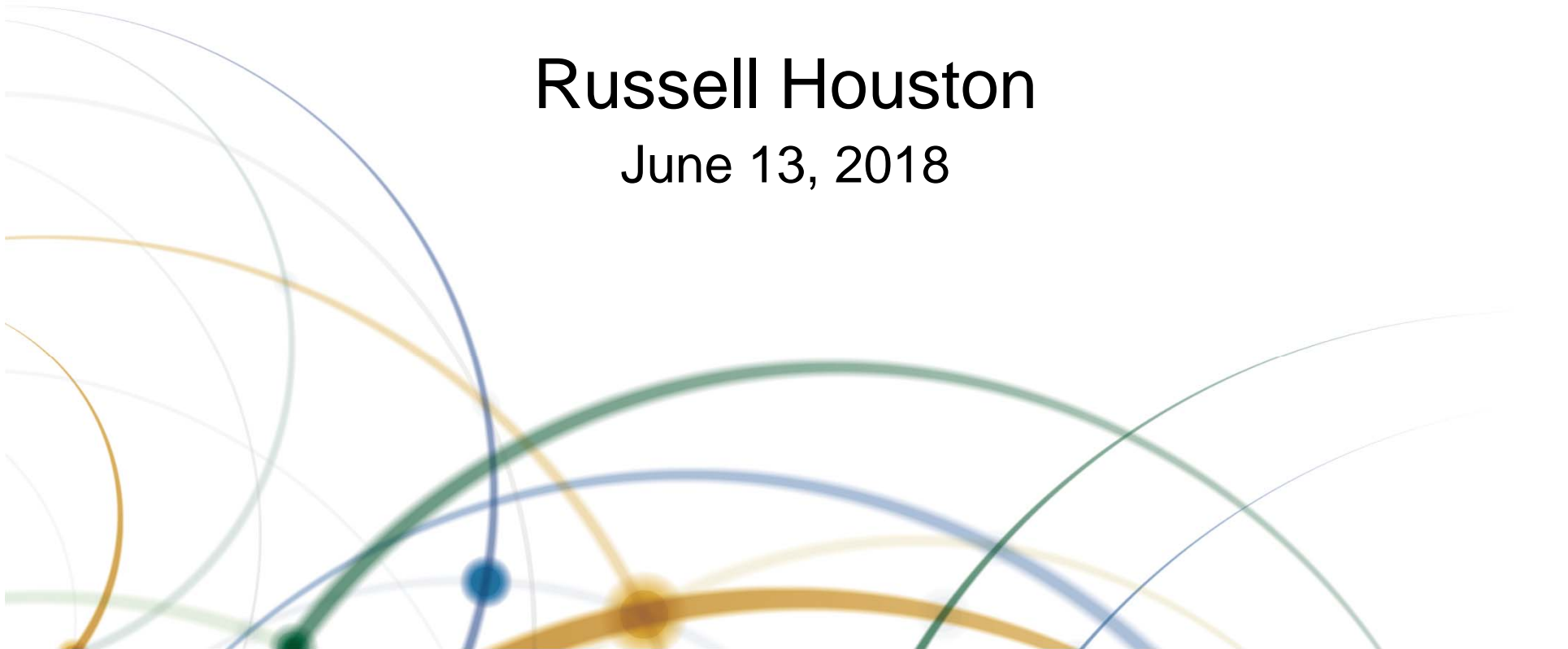
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRANSPORTATION RESEARCH BOARD

TRB Electric Vehicle Activities

Russell Houston

June 13, 2018



TRB Staff

- Scott Babcock, SPO Rail & Freight - TAD
- Scott Brotemarkle, SPO Marine & Intermodal Freight - TAD
- Richard Cunard, SPO Traffic & Operations - TAD
- Ray Derr, SPO - CRP
- Mariela Garcia-Colberg, SPO - CRP
- Christine Gerencher, SPO Aviation & Environment - TAD
- Mark Norman, Resident Scholar - EO
- Michael Salamone, ACRP Manager - CRP

Publications

- (2018) TCRP Synthesis 130: Battery Electric Buses—State of the Practice
- (2017) NASEM – Enhancing the Resilience of the Nation’s Electricity System
- (2016) ACRP Report 158: Deriving Benefits from Alternative Aircraft-Taxi Systems
- (2016) NASEM – The Power of Change: Innovation for Development and Deployment of Increasingly Clean Electric Power Technologies
- (2015) NASEM – Overcoming Barriers to Consumer Adoption of Plug-in Electric Vehicles
- (2014) ACRP Synthesis 54: Electric Vehicle Charging Stations at Airport Parking Facilities (2014)
- (2014) IDEA Transit Project 67: Diesel-Electric Locomotive Energy Recovery and Conversion (2014)
- (2010) TCRP Web-Only Document 51: Guiding the Selection and Application of Wayside Energy Storage Technologies for Rail Transit and Electric Utilities
- (2010) NASEM - Transitions to Alternative Transportation Technologies--Plug-in Hybrid Electric Vehicles
- (2009) TCRP Report 132: Assessment of Hybrid-Electric Transit Bus Technology

Committees and Projects

- ADC00 - Environment and Energy
- ADC70 - Transportation Energy
- ADC80 - Alternative Transportation Fuels and Technologies
- AHB30 - Vehicle-Highway Automation
- AP020 - Emerging and Innovative Public Transport and Technologies
- AP040 - Automated Transit Systems
- AP050 - Bus Transit Systems
- AR030 - Railroad Operating Technologies
- AT025 – Urban Freight Transportation
- AT060 – Trucking Industry Research

Committees and Projects (Continued)

- D08117 - Impact of Transformational Technologies on Land Use and Transportation
- D20102 - Impacts of Connected and Automated Vehicles on State and Local Transportation Agencies
- D20113 - Research Roadmap -- Transformational Technologies (other than CV/AV)
- TJ1127 - Analysis of Low-Speed Automated Vehicle (LSAV): Pilots and Deployment
- SAS0219 - Synthesis of Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers
- E0005A - TRB Forum on Preparing for Automated Vehicles and Shared Mobility

Upcoming Projects

- TCRP - Guidebook for Deploying Zero Emission Transit Vehicles Fleet
- NCHRP - Transformational Technologies (other than CV/AV)
- NCHRP - Estimates of Emissions Reductions from Future Fleet Changes for Use in Air Quality Models

Upcoming Meetings

- Automated Vehicle Symposium 2018 - July 9-12, 2018, San Francisco, California
- Forum on the Impact of Vehicle Technologies and Automation on Users: Vulnerable Road Users, and Driver Behavior and Performance, November 7-9, 2018, Iowa City, Iowa
- 6th Florida Automated Vehicles (FAV) Summit, November 27-28, 2018, Tampa, Florida

Annual Meeting Papers on EVs

