

**TRB Standing Committee on
Critical Infrastructure Protection
(ABR10)
Laurel Radow, Chair**

NOCoe Webinar: How to Get Involved in a TRB Standing Committee
December 13, 2017

Transportation Resiliency Section

The Committees:

[ABR10](#) – Critical Transportation Infrastructure Protection Committee, Chair: Laurel Radow

[ABR20](#) – Committee on the Logistics of Disaster Response and Business Continuity, Chair: Anne Strauss-Wieder

[ABR30](#) – Committee on Emergency Evacuations, Chair: Brian Wolshon

The Transportation System Resilience Section seeks:

- To advance resilience research into the nature of these interdependencies and cross-sector complexities in a comprehensive fashion;
- To identify policy, protocols, and operational practices that promote greater transportation system resilience including adaptive capacity; and
- To communicate best practices to meet the needs of society from the whole population to individual citizens/end users.

Section Mission: To promote discussion among principals, disseminate research findings, and identify priority research topics in the area of transportation systems and services before, during and after periods of increased stress, service disruptions, and critical human need in order to enhance recovery.

Section Goals:

[Promote communication](#) especially among the “lifeline sectors” (power, communications, and water/wastewater) and transportation stakeholders to enhance knowledge of these sectors’ interconnectedness and common vulnerabilities (including cyber vulnerabilities).

[Build understanding of the sources of risk and potential mitigation options](#) at the community, regional and national levels for implementation prior to significant disruptions or failure of transportation assets during periods of increased stress.

[Develop an integrated conceptual framework and guidelines](#) that map the system of physical and social infrastructures that are essential to maintaining transportation services and mechanisms for increasing resilience and reliability.

[Identify and promote new research](#) that will lead to cross-cutting and inter-disciplinary methodologies that will integrate resilience practices and adaptation measures for the transportation sector.

[Support the needs of end users](#) by providing guidance that encourages the incorporation of system resilience and sustainability into the routine planning, planning, engineering, financing, management, and maintenance activities of transportation.

Committee Activities

- Past Activities (Highlights)
 - Lead TRB Committee for the NCHRP 20-59 Research
 - 165 completed transportation security and emergency research tasks - all available at TRB website.
 - Partnered with AASHTO's Special Committee on Transportation Security and Emergency Management on the research as well as the annual All Hazards Summits from 2006-2013.

Committee Activities

- Past Activities (Highlights):
- International Symposium on Disaster Prevention and Mitigation of Infrastructure
 - The 2014 and 2016 symposia focused on preventative techniques, technology and systems, against hazards to highway infrastructure imposed by natural disasters, as well as responsive measures after a disaster strikes.
 - The Committee, on behalf of TRB, co-sponsored both conferences held in China.

2017 Activities

Transportation System Resilience: Preparation, Recovery, and Adaptation

TRB's E-Circular 226: Transportation System Resilience: Preparation, Recovery, and Adaptation explores research issues related to implementing transportation systems resilience, and explores themes of a whole system approach to resilience, weather and advances in forecasting, an integrated approach to cyber-physical security for transportation, a European perspective on research for resilient road infrastructure, training and recruiting qualified employees who can assist during adverse events, and improving the resilience of transit systems threatened by natural disasters. This report accompanies the [September/October 2017 print edition](#) of the TR News.

August 2017: Joint meeting with AASHTO's Special Committee on Transportation Security and Emergency Management (SCOTSEM).

Paper Reviews: Committee members and friends reviewed 45 papers.



2018 Activities

- **2018 Annual Meeting (Highlights)**

Sunday Workshops

Engaging the Public for Crisis Situations workshop, January 7, 1:30 – 4:30.

(Interactive workshop.)

Technical Presentation: 2020-2025 Resilience Research Road Map

The results of the workshop will be incorporated into a resilience research road map containing project abstracts, potential programs, and strategic initiatives encompassing the funding period 2020-2025. This workshop is designed as an exercise involving the diverse interests of research consumers, including agencies implementing research results, research sponsors, and the research community. Participants developed research concepts during the workshop. *January 7, please consider attending the workshop, Sunday 1:30 PM- 4:30 PM, Convention Center, 147B.*

Cyber Workshop

Bridge Workshop

Meetings and Sessions

Full Committee Meeting: Monday, January 8, 2018, 8 a.m. to 12 noon, Marriott Marquis, Liberty M (M4)

- **Subcommittee Meetings:** Cyber, Physical Security and Supply Chain Security
- Committee has sponsored or co-sponsored several sessions including ones on cyber security and the 2017 Solar Eclipse.
- Please visit our **Resiliency Poster Session** - Wednesday morning
 - Showcases the 45 papers our committee received and that our members and friends reviewed.

Hold the Date:

**Resiliency Summit
October 8-10, 2018
Denver, Colorado**

As a new attendee

- You may wish to
- Attend the New Attendees meeting - Sunday afternoon
- Attend sessions
 - If you find the session topic of interest, find the session's primary sponsor to learn more about the committee and/or attend the full committee's meeting.
- Attend committee meetings to learn more about their activities.
 - Attend subcommittee meetings and if the topic is of interest, become a friend of the committee and/or a member of the subcommittee.

Thank you.

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