

**Annual Report for the Cybersecurity Subcommittee, ABR10(7),  
of the Critical Transportation Infrastructure Protection Committee, ABR10 January 8, 2018**  
mission: serve as the focal point within TRB to help reduce the risks of cyber disruption in transportation through research, thought leadership, outreach and facilitation of information exchange and collaboration.

2017 Accomplishments

- Added Doug Couto as subcommittee co-chair. Doug is also our liaison to ABJ50, the Information Systems and Technology Committee.
- Conducted subcommittee telecoms every 3-6 months
  - News and analysis of recent incidents, threats and vulnerabilities
  - Summaries of cybersecurity initiatives in government, industry and academia
  - Reports on ongoing TRB research and research needs
- Collaborated with the Physical Security Subcommittee to develop article on the interrelationships between physical and cyber security for a *TRNews* e-circular.
- Organized and supported sessions for the 2018 TRB Annual Meeting:
  - Supported ABJ50 to organize workshop “Cybersecurity in the Transportation World: People, Process, and Technology,” Sunday, January 7, 1:30-4:30, Convention Center, Room 152A.
  - Organized session “Cybersecurity Challenges for Connected and Automated Vehicles,” Tuesday, January 9, 1:30-3:15, Convention Center, Room 151B.
  - Organized Cybersecurity Subcommittee Meeting, Tuesday, January 9, 8:00-9:45, Marriott Marquis Hotel, Liberty 1 (M4 level).
  - Reviewed cybersecurity-related papers submitted to the TRB Annual Meeting call for papers.
- Integrated cybersecurity and resilience into activities of the Transformational Technologies Task Force.
- Conducted outreach to other TRB committees and transportation stakeholder organizations to increase awareness of cybersecurity risks and best practices:
  - Workshop of state DOT CIOs with ABJ50
  - AASHTO Mid-Year Meeting with chief engineers from every state
  - Texas A&M Transportation Technology Conference (Speakers)
  - Ship Operators Cooperative Program
  - World Metro Rail Congress
  - Safe Rail Congress 2017
  - Smart Transit Conference
  - 24<sup>th</sup> ITS World Congress, Montreal, CA (Organized Cybersecurity Special Interest Session)
  - National Defense Transportation Association 2017 Fall Meeting and Transportation Academy
  - TRB Data Section (Discussed opportunities for addressing cybersecurity challenges)

Opened discussion with ITSA Intelligent Transportation Cybersecurity Task Force 2018 Upcoming Activities

- Conduct subcommittee telecoms to exchange information on technical issues and initiatives.
- Identify research priorities and opportunities in cybersecurity and resilience. Potential topics include:
  - Cybersecurity and resilience in the Internet of Things and smart cities
  - Cybersecurity in automated and connected vehicles
  - Comprehensive cybersecurity programs for transportation organizations; bridging the IT/OT gap
- Review progress and help guide ongoing TRB research projects related to cybersecurity and resilience.
- Develop and implement engagement plan for addressing cybersecurity with other TRB committees, subcommittees and task forces.
- Develop and implement strategy for increasing awareness of cybersecurity and resilience risks and mitigation strategies with transportation industry leaders (i.e. roundtables, webinars, workshops, conference presentations, articles, etc.).
- Organize and promote 2-3 TRB Cybersecurity webinars.
- Organize cybersecurity sessions at the ITSA Annual Meeting (Detroit, June) and World Congress (Copenhagen, Sept)
- Organize cybersecurity and resilience events for 2019 TRB Annual Meeting.