



## ***What is the National Academies?***

The National Academies perform an unparalleled public service by bringing together committees of experts in all areas of scientific and technological endeavor. These experts serve pro bono to address critical national issues and give advice to the federal government and the public. Four organizations comprise the Academies: the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine and the National Research Council. These non-profit organizations provide a public service by working outside the framework of government to ensure independent advice on matters of science, technology, and medicine.

## ***What is the Transportation Research Board?***

The mission of the Transportation Research Board (TRB)—one of six major divisions of the National Research Council of the National Academies—is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal. The program is supported by state transportation departments, federal agencies including the component administrations of the U.S. Department of Transportation, and other organizations and individuals interested in the development of transportation.

## ***What are standing committees?***

TRB fulfills its mission through the work of standing committees and task forces, which are communities of individuals who share an interest and expertise in transportation. With more than 200 committees, almost every transportation mode and topic is represented in the standing committee structure. Each committee proposes research, shares research findings, sponsors special activities, and provides a forum for transportation professionals to discuss today's and tomorrow's transportation issues.

## ***Why get involved?***

Serving on TRB committees provides you with an opportunity to contribute to advancing the state of the art and the state of the practice in transportation. You will participate with individuals from around the world with diverse backgrounds, including industry, academia, consulting, and the public sector. This broad representation provides a chance to contribute, to learn, and to interact with others who share your passion for transportation. There are no dues or fees associated with participation—only the time you voluntarily contribute to the committee activities and travel expenses to attend occasional meetings.

## ***How do I get involved in standing committees?***

- **Visit TRB's Website** to see the list of all committees, including their scope statements, links to committee maintained websites, and contact information for the committee chair and TRB staff representative. If you have difficulties in accessing the website, call TRB at 202-334-2934 and ask to speak to the staff representative in your area of interest.
- **Contact the committee chair** by email to learn of current activities in which you may wish to participate. Share with the chair a brief synopsis of your background and areas of expertise and let the chair know you are interested in active participation.
- **Participate in committee meetings**, which generally are open to anyone who wishes to attend. Don't be shy—introduce yourself to the chair, sign the attendance sheet to get on the email distribution list, and be sure to follow-up by email with the chair after the meeting.
- **Volunteer** to serve as a reviewer of research papers, to work on a committee project, or to give a presentation or preside at a session of the TRB Annual Meeting, webinar, or a specialty conference.
- **Express your interest** in committee membership at the first opportunity. Membership requires a formal process; however, participation in committee activities is not limited to members. Active participants who are not members are called "friends" of a committee. Chairs look at the list of active "friends" when an opportunity for membership arises.

*For more information on TRB's Standing Committees, visit:*

<http://www.trb.org/AboutTRB/Committees.aspx>

## TRB Aviation Group Committees

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### INTERGOVERNMENTAL RELATIONS IN AVIATION (AV010)

**Reiner Pelzer**, AECOM Transportation, Inc.  
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**Scope:** This Committee is concerned with the intergovernmental aspects of research, planning, programming, development, coordination, and implementation of airports and their improvements, and other related aviation matters. These include, but are not limited to: 1) intermodalism; 2) intergovernmental coordination, to include international and quasi-governmental organizations; 3) the interrelation of metropolitan, state, and national airport systems planning; 4) programming of local, state, and federal financing for aviation planning and development; and 5) the development of an efficient, economically effective, environmentally acceptable and safe total aviation system.

### AVIATION SYSTEM PLANNING (AV020)

**Seth Young**, Ohio State University  
[young.1460@osu.edu](mailto:young.1460@osu.edu)

**Scope:** The committee addresses planning activities in aviation from airport master planning at the local level, through regional and state airport planning, to national airport system planning. The scope of the committee's activities addresses the technical content of these planning activities and their interrelationship, as well as the role of airport system planning within the broader multimodal planning process.

### ENVIRONMENTAL IMPACTS OF AVIATION (AV030)

**Mary Ellen Eagan**, HMMH, Inc.  
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**Scope:** The Committee on the Environmental Impacts of Aviation focuses on environmental issues central to airport planning, design, construction and operation, and to related aviation system issues. The committee fosters the integration of information developed in the wide range of scientific and professional practice disciplines that are relevant to airport/aviation environmental issues to support improved decision-making. The Committee seeks through empirical research and policy analysis to facilitate and improve the "rigorous and objective" understanding and assessment of the environmental impacts of aviation required by NEPA and other environmental statutes and regulations; to promote consideration of tradeoffs among the various potential environmental impacts generated by development alternatives in the airport planning process; and to encourage the integration of technically sound, effective impact monitoring and mitigation in the resulting development process.

**Subcommittees:** (1) **Aviation Sustainability** [[Kristin Lemaster](mailto:Kristin.Lemaster@cdm.com), [lemasterkm@cdm.com](mailto:lemasterkm@cdm.com)] (2)

**Climate Change** [[Judith Patterson](mailto:Judith.Patterson@alcor.concordia.ca), [pafi@alcor.concordia.ca](mailto:pafi@alcor.concordia.ca)] (3) **Water**

**Resources** [[Dean Mericas](mailto:Dean.Mericas@CH2M.com),

[Dean.Mericas@CH2M.com](mailto:Dean.Mericas@CH2M.com)] (4) **Aircraft**

**Noise** [[Natalia Sizov](mailto:Natalia.Sizov@faa.gov), [Natalia.Sizov@faa.gov](mailto:Natalia.Sizov@faa.gov)]

(5) **Alternative Aviation Fuels** [[Bruno Miller](mailto:Bruno.Miller@metronaviation.com), [bruno.miller@metronaviation.com](mailto:bruno.miller@metronaviation.com)]

### AVIATION ECONOMICS AND FORECASTING (AV040)

**David Ballard**, GRA, Inc.  
[bdballard@gra-inc.com](mailto:bdballard@gra-inc.com)

**Scope:** This committee is concerned with all economic and financial issues in commercial aviation relating to major air carriers and their employees, airports and operating authorities, the aerospace community, academic and other research organizations, air travelers and shippers, all levels of government and the general public. These concerns include the development and application of improved methodologies for forecasting commercial aviation demand and activity and the relationship of forecasting to system decision-making. (1) **Air Cargo**

### AIRPORT TERMINALS AND GROUND ACCESS (AV050)

**Craig Leiner**, Massport  
[CLeiner@massport.com](mailto:CLeiner@massport.com)

**Scope:** The scope of this committee covers the design, maintenance, and operation of the airport landside. The airport landside is defined as the area bounded by the points at which passengers and goods enter the airport by all modes and the point on the apron at which the aircraft is serviced and loaded. The airport landside includes access roads and ramps, parking facilities, the terminal curbside, terminal facilities, and the aircraft apron, including the adjacent taxiway.

### AIRFIELD AND AIRSPACE CAPACITY AND DELAY (AV060)

**Chris Oswald**, Airports Council International-North America  
[COswald@aci-na.org](mailto:COswald@aci-na.org)

**Scope:** This committee is concerned with the development, evaluation, and application of improved techniques for analyzing and measuring airfield and airspace capacity, delay, and aviation system performance, and with activities and actions that increase airfield and airspace capacity and decrease delays. In the conduct of this mission the committee will consider the institutional, financial, environmental, energy and air traffic control issues that affect airfield and airspace capacity and delay.

### AIRCRAFT/AIRPORT COMPATIBILITY (AV070)

**Geoff Baskir**, PB Americas, Inc.  
[baskir@pbworld.com](mailto:baskir@pbworld.com)

**Scope:** The committee is concerned with the development and application of techniques for analyzing the interface of civil aircraft with the airport and its environs and for providing a basis for decisions concerning design and operations of aircraft and airports that are compatible, integrated, and cost-effective.

**Subcommittee:**

(1) **Aviation Geographic Information Systems and Data** (with Geographic Information Science and Applications Committee, ABJ60) [[Randall J. Murphy](mailto:Randall.J.Murphy@graftontech.com), [rmurphy@graftontech.com](mailto:rmurphy@graftontech.com); and [Mark Ricketson](mailto:Mark.Ricketson@woolpert.com), [mark.ricketson@woolpert.com](mailto:mark.ricketson@woolpert.com)]

### LIGHT COMMERCIAL AND GENERAL AVIATION (AV080)

**Maira Harvey**, Messier-Dowty, Inc.  
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**Scope:** This committee will consider publicly and privately supported research and public policy as applied to the light aircraft component of commercial aviation, consisting of short-haul operations commonly known as regional and/or commuters, and all aspects of general aviation--including fixed- and rotary-wing and other vertical lift vehicles powered by turbofan, turboprop, turboshaft or piston engines. Committee activities are centered on the various aspects of demand forecasting (recognizing the impact of technology advancements and other structural changes affecting the industry), fleet growth and utilization, economics and financing, operations and maintenance, safety, facilities and equipment development, and agencies, users, and user associations, and equipment manufacturers. **Subcommittees:** (1) **Civil Helicopter Aviation** [[Pierre Herron](mailto:Pierre.Herron@pwc.ca), [pierre.herron@pwc.ca](mailto:pierre.herron@pwc.ca)]; (2) **Business Aviation** [[Gerald S. McDougall](mailto:Gerald.S.McDougall@gmcdougall@semo.edu), [gcmcdougall@semo.edu](mailto:gcmcdougall@semo.edu)]; and (3) **Regional and Commuter Airlines** [[Maira Harvey](mailto:Maira.Harvey@Messier-dowty.com), [Maira.Harvey@Messier-dowty.com](mailto:Maira.Harvey@Messier-dowty.com)]

### AVIATION SECURITY AND EMERGENCY MANAGEMENT (AV090)

**Richard Bloom**, Embry-Riddle Aeronautical University  
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**Scope:** The committee is concerned with the synergies among integrated security, intelligence, and emergency capabilities for aviation and for other associated transportation modalities and their effects on aviation planning, design, operation, management, financing, and institutional/organizational issues. A focus is maintained on applied research related to the capabilities of the major entities involved in commercial and general aviation to detect, deter, minimize impact, respond to, recover from, and learn from system disruption created by terrorist and non-political criminal activity and natural disasters including pandemic events. **Subcommittee:**

(1) **Aviation Safety** [[Bart Elias](mailto:Bart.Elias@crs.loc.gov), [belias@crs.loc.gov](mailto:belias@crs.loc.gov)]

*For more information, please contact the committee chairs listed above or the following TRB Staff Officer:*

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