A Message from the Aviation Group Chair

By Peter Mandle, Leigh Fisher

If you are reading this newsletter it is likely that you are one of the many professionals who actively participate in the Aviation Group and its committees. Thank you for your time and contributions! But now we need your help. To continue to support aviation research and to provide an open and unparalleled forum to disseminate and examine the results of this research, the Aviation Group needs to grow.

In order to grow, our first task is to attract more people just like you—people with an avid interest in aviation and airport research and the current best industry practices. You can help us attract these people by making sure that your friends and colleagues know about us and more importantly know how you have benefitted from participating in the Group’s committees. For example, tell them how you have benefitted from:

- Networking with colleagues and establishing professional relationships with others
- Broadening your knowledge and perspectives by interacting with individuals from across the nation and around the world
- Receiving valuable and timely information about ongoing and recently completed research and new technologies
- Gaining early awareness of new research findings addressing problems faced by your colleagues or clients
- Contributing to the broader transportation community by sharing information about your organization’s research results and practices

Attracting people who are not familiar with TRB, our second task, is more challenging. First we need to identify aviation and other transportation professionals who would benefit from participating in the Aviation Group but aren’t doing so now. Second, we need tell them about TRB and explain why they should participate in TRB rather than other organizations. If we were an airline, we would be advertising and marketing our unique product. The Aviation Group needs to take similar actions to encourage participation. The first step towards marketing our product has just been taken with the development of a brochure that briefly describes our Group, its committees, the benefits of participation, and how to participate.

This is where your help is needed—We ask that you talk to friends and colleagues and other people you meet in the course of your professional activities about TRB and provide them the link to our brochure. Also mention they are welcome to contact our committee chairs (see page 4) or Christy Gerencher, our TRB staff representative, for more information. In the next few months the Aviation Group will be sharing with you other actions we are undertaking to reach out to non-traditional participants.

Thank you for all that you currently do for the Aviation Group and its committees and for your help to grow our family of participants. If you have any suggestions for improving our Group, I hope you will share them with me. Enjoy your summer.

Seeking McKelvey Award Nominations

Nominations are being sought for the 2014 Francis X. McKelvey Award. The award will be presented to an individual in recognition of their demonstrated commitment to the betterment of the aviation industry. A form has been created to submit nominations, which are due August 1st.

In 2008, the TRB Aviation Group inaugurated this award in honor of Dr. Frank McKelvey who was actively involved in TRB for over 30 years until his untimely death in January 2006. Beyond his extensive work in the field of research, he was an educator who encouraged and guided his students to pursue careers in transportation, particularly aviation. It is because of his commitment to TRB and his impact on the personal and professional lives of so many of his former students that this award has been created.


Francis X. McKelvey

The opinions expressed in this newsletter are those of the authors and do not necessarily reflect the views of the Transportation Research Board or the National Academies.
Almost every aspect of transportation is discussed at the TRB Annual Meeting.

Mark your calendars! The next TRB Annual Meeting has been scheduled early again next year: January 12-16, 2014 in Washington, DC.

The information-packed program attracts over 11,000 transportation professionals from around the world to Washington, D.C. The TRB Annual Meeting program covers all transportation modes, with more than 4,000 presentations in nearly 650 sessions and workshops addressing topics of interest to all attendees—policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions.

The TRB Registration and Housing Bureau will open to register for the meeting and to make a hotel reservation in early September.

The theme for the 2014 Annual Meeting is Transportation Research: Celebrating our Legacy. Anticipating our Future. The Aviation Group committees are planning their sessions now. Volunteer to help today!

In 2011, the Young Members Council (YMC) at the Transportation Research Board (TRB) was created in order to encourage and expand young professional participation in all aspects of the TRB community. Each of the 11 groups of standing committees was offered the ability to appoint two members to this council. The Aviation Group appointed Megan Ryerson and Yasmina Platt as its representatives to this council. That said, involvement with YMC is open to all transportation professionals in the TRB community; however, our goal is to assist those eligible as “Young Professionals”, which is 35 years of age or younger.

The established goals of the YMC are as follows:

- **Involvement:** Providing opportunities for young professionals to get actively involved with TRB.
- **Resources:** Providing targeted resources geared for young professionals in the form of technical sessions, events, and guides.
- **Connections:** Providing networking opportunities and connecting young professional peers from around the world.
- **Representation:** Serving as young professionals' liaison to and from TRB leadership and the research community to address issues of importance to young members.

For more information, visit the YMC’s website.

**Young Members Council — Aviation**

The Aviation Group created the Young Members Council-Aviation (YMC-A) as a subcommittee to the group in 2012 as a means to more directly interact with the young membership within its nine committees. The YMC-A is currently in the process of developing a mission statement and goals. Mary Ellen Eagan, chair of the Environmental Impacts of Aviation Committee, and Seth Young, chair of the Aviation System Planning committee, are the chair and vice-chair, respectively, of the council. The Aviation Group representatives to the YMC, Megan Ryerson and Yasmina Platt lead the representations of the appointed young members of the Aviation Group committees within this council.

If you are interested in participating, please e-mail Bo Zou and Yi Liu with your contact info to be added to the participant list.

Did You Know?

Each TRB committee, including the Aviation Group and its nine committees has an Information Resource Center on the TRB website. These centers are designed to help you find information available on TRB’s website that is most relevant to the subject areas the committee is interested in. There is a great deal of information on TRB’s website and these centers make it easier to find what you are looking for. Visit a committee TRB webpage and click on the “Information Resource Center” link to see what we have available.
Airport Cooperative Research Program Update

The ACRP Oversight Committee (AOC) will soon be selecting next year’s project statements for the Fiscal Year 2014 program. Please be sure to check out the ACRP website in August for a list of the selected projects and well as information on how you can nominate yourself or others to be on the project panels. Use our ACRP Index to quickly find our publications and get involved. ACRP has launched our ambassador program. Ambassadors will be available to attend your conference to present and/or exhibit on ACRP. For more information or to request an ACRP representative, contact Mike Salamone at msalamone@nas.edu or use our ACRP Index. And don’t forget to consult our Speakers Bureau website to help identify potential speakers who have the expertise to present information on ACRP publications and related information. The list of speakers includes individual names (with an email link), organizational affiliations, the presentation topic area, links to related ACRP project and publication information, number.

Impacts on Practice

TRB’s Airport Cooperative Research Program is soliciting examples of impacts on practice—instances where airports have adopted and implemented concepts that were presented in ACRP research publications. The solicitation is part of ACRP’s continuing efforts to explore the value and usefulness of its products, which are designed to help contribute to the growth and development of the airport industry. Examples of impacts on practice may be submitted by using a quick and convenient online survey. There is no limit to the number of examples you may submit. The three most recent impacts on practice that have been published are:

- Contingency Planning for Unexpected Passenger Delays (April 2013)
- ACRP Disseminates Solutions-Based Research Projects Through Ambassadors (November 2012)
- Development of Airport Property: Policy Guidance and Workforce Training (October 2012)

Submit your impact on practice today!

New ACRP Publications

- Legal Research Digest 18: Buy America Requirements for Federally Funded Airports
- Report 82: Preparing Peak Period and Operational Profiles—Guidebook
- Legal Research Digest 17: State and Federal Regulations That May Affect Initiatives to Reduce Airports’ GHG Emissions
- Report 79: Evaluating Airfield Capacity
- Report 81: Winter Design Storm Factor Determination for Airports
- Synthesis 38: Expediting Aircraft Recovery at Airports
- Report 77: Guidebook for Developing General Aviation Airport Business Plans
- Report 80: Guidebook for Incorporating Sustainability into Traditional Airport Projects
- Report 76: Addressing Uncertainty about Future Airport Activity Levels in Airport Decision Making
- Report 74: Application of Enterprise Risk Management at Airports
- Legal Research Digest 16: Procurement of Airport Development and Planning Contracts
- ACRP Synthesis Report 36: Exploring Airport Employee Commute and Parking Strategies
Get to Know the Aviation Group Committees

**INTERGOVERNMENTAL RELATIONS IN AVIATION (AV010)**
Reiner Pelzer, AECOM Transportation, Inc.
Reiner.Pelzer@aecom.com

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 interaction 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 aviation system.

**AVIATION ECONOMICS AND FORECASTING (AV040)**
David Ballard, GRA, Inc.
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. Subcommittee: (1) Air Cargo

**AVIATION SYSTEM PLANNING (AV020)**
Seth Young, Ohio State University
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. Joint Subcommittee with AV010: (1) Research Needs [Pam Keidel-Adams, pkeidel-adams@landrum-brown.com; and Verne Skagerberg, verne.skagerberg@alaska.gov]

**ENVIRONMENTAL IMPACTS OF AVIATION (AV030)**
Mary Ellen Eagan, HMMH, Inc.
eagmeh@hmmh.com

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 fostered the integration of information developed in the wide range of scientific and professional practice disciplines that are relevant to airport/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: Aviation Sustainability [Kristin Lemaster, kemasterkm@cdm.com] (2) Climate Change [Judith Patterson, patj@alcor.concordia.ca] Water Resources [Dean Mercier, Dean.Mercier@CH2M.com] (4) Aircraft Noise [Natalia Sizov, Natalia.Sizov@faa.gov] (5) Alternative Aviation Fuels [Bruno Miller, brunomiller@metrotransaviation.com]

**AIRPORT TERMINALS AND GROUND ACCESS (AV050)**
Craig Leiner, Massport
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

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, Young Enterprise Systems, Inc.
Geoffrey.ctr.baskir@faa.gov

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, cost-effective and safe. Subcommittee: (1) Aviation Geographic Information Systems and Data [with Geographic Information Science and Applications Committee, AB(60)] [Randal J. Murphy, rmurphy@grafontech.com; and Mark Ricketson, mark.ricketson@woolpert.com]

**LIGHT COMMERCIAL AND GENERAL AVIATION (AV080)**
Maira Harvey, Messier-Dowty, Inc.
maira.harvey@safranmbd.com

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 commuter, and all aspects of general aviation--including fixed- and rotary- wing and other vertical lift vehicles powered by 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 and development, and agencies, users, and user associations, and equipment manufacturers. Subcommittees: (1) Civil Helicopter Aviation [Pierre Herron, pierre.herron@pwc.ca]; (2) Business Aviation [Gerald S. McDougall, gmcdougall@sunra.edu]; and (3) Regional and Commuter Airlines [Maira Harvey, maira.harvey@safranmbd.com]

**AVIATION SECURITY AND EMERGENCY MANAGEMENT (AV090)**
Richard Bloom, Embry-Riddle Aeronautical University
bloomrr@erau.edu

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, balias@crs.loc.gov]