

NASA Applied Sciences Program

Organizations Related to Aviation

The NASA Applied Sciences Program encourages teams and partnerships across public and private sectors, including national and regional organizations and associations. The following organizations are examples of national or regional associations related to Aviation.

(Note: This list is not exhaustive and is provided for reference and example only. The NASA Applied Sciences Program does not necessarily have established relationships with these organizations, and the Program does not imply endorsement of any organization on this list.)

RESEARCH & DEVELOPMENT:

- *National Institute for Aviation Research (NIAR):*
 - **Location:** Wichita KS (HQ).
 - **Mission Statement:** To continue research, technology, and education in the field of aviation safety and performance via research and development, testing, certification, and learning.
 - **Additional Info:** 75 full-time staff, 100 students and graduate research assistants, 15 labs. They consist of three FAA centers of excellence designations: General Aviation Research, Airworthiness Assurance, and Composites and Advanced Materials. These centers combined promote the safety, research, manufacturing, and design elements of today's aviation industry. The facilities have fifteen labs dedicated to research in aerodynamics, aging aircraft, crash dynamics, composites and advanced materials, aircraft icing, structural components, virtual reality, and computational mechanics.
 - **Website:** <http://www.niar.wichita.edu/newniar/default.htm>
 - **Contact Info:** James E. Locke, Director of R&D.
Address: 185 Fairmount Ave. Wichita State University, Wichita KS, 67260
Phone: (316) 978-6363.
Email: james.locke@wichita.edu.

- *National Center for Atmospheric Research (NCAR):*
 - **Location:** Boulder, CO (HQ & Laboratories), Broomfield, Colorado (Aviation Research Facility).
 - **Mission Statement:** To understand the atmosphere—the air around us—and the interconnected processes that make up the Earth system, from the ocean floor to the Sun's core.
 - **Additional Info:** Managed by the nonprofit University Corporation for Atmospheric Research (UCAR) and joins efforts with UOP (UCAR Office of Programs). Uses tools (aircraft and radar) to observe the atmosphere, and technology (computer models, supercomputers, and user support) to analyze the data.
 - **Website:** <http://www.ncar.ucar.edu/index.shtml>
 - **Contact Info:** Peter Backlund, Director of Research Relations.
Address: 3300 Mitchell Lane, Boulder, Colorado 80301
Phone: (303) 497-1103.
Email: backlund@ucar.edu.

- *Forecast Systems Laboratory (associated with NOAA):*
 - **Location:** Boulder, CO (HQ).

- **Mission Statement:** To anticipate the science and technology that will be needed by the nation's operational atmospheric, oceanic, and hydrologic forecasting services in the next five to ten years
- **Additional Info:** After researching and developing new observing and forecasting systems, FSL transfers those technologies to operational users such as the National Weather Service (NWS), other government agencies (e.g. U.S. Air Force and the FAA), the commercial and general aviation communities, foreign weather forecasting services, and other private interests.
- **Website:** <http://www.fsl.noaa.gov/>
- **Contact Info:** Dr. Alexander E. (Sandy) McDonald, Director.
Address: 325 Broadway, Boulder, CO 80305-3328
Phone: (303) 497-6378.
Email: Alexander.E.MacDonald@noaa.gov.

POLICY:

- *National Association of State Aviation Officials (NASAO):*
 - **Location:** Silver Spring, MD (HQ).
 - **Mission Statement:** To ensure uniformity of safety measures, to standardize airport regulations and develop a truly national air transportation system responsive to local, state, and regional needs. The NASAO Center for Aviation Research and Education works to improve the states' role in the future of the national air transportation system.
 - **Additional Info:** NASAO represents the men and women in state government aviation agencies in all 50 states, Guam and Puerto Rico. These highly skilled professionals are full partners with the federal government in the development and maintenance of the safest and most efficient aviation system in the world. NASAO's Annual Meeting held in Newport, Rhode Island. The Center's motto is "Progress through Aviation."
 - **Website:** http://www.nasao.org/Proposed_Home_Page/2002_NASAO_p4.htm
 - **Contact Info:** Henry M. Ogrodzinski, President & CEO.
Address: 1010 Wayne Avenue - Suite 930 Silver Spring, MD 20910
Email: henryo@nasao.org.

SAFETY:

- *Air Transport Association (ATA):*
 - **Location:** Washington, DC (HQ), Annapolis Junction, MD (Distribution Center).
 - **Mission Statement:** To support and assist members by promoting the air transport industry and the safety, cost effectiveness, and technological advancement of its operations, advocating common industry positions before state and local governments, conducting designated industry-wide programs, and assuring governmental and public understanding of all aspects of air transport.
 - **Additional Info:** Deals with operations and safety, engineering, maintenance and material, airport operations, air traffic management, cargo, e-business, facilitation, federal and state government affairs, international affairs, legal affairs, passenger service, public relations, and security.
 - **Website:** <http://www.airlines.org/home/default.aspx>
 - **Contact Info:**
Address: 1301 Pennsylvania Ave, NW, Suite 1100, Washington, DC 20004.
Phone: (202) 626-4000 (HQ)
- *Aviation Safety Alliance (ASA):*
 - **Location:** Washington, DC (HQ).

- **Mission Statement:** To educate the media and general public about aviation safety, and to conduct seminars and other educational programs.
 - **Additional Info:** Created by major airlines in North America and major aerospace manufacturers. ASA is an advocacy organization, for the purpose of educating the media and the general public about aviation safety. This is accomplished in part by conducting seminars and other educational programs. In addition, ASA regularly holds media seminars and newsroom briefing for the purpose of educating journalists better understand aviation-safety issues.
 - **Website:** <http://www.aviationsafetyalliance.org/index.asp>
 - **Contact Info:** Susan Coughlin, President & CEO.
Address: 1301 Pennsylvania Ave, NW Suite 1100, Washington, DC 20004
Phone: (202) 626-4107.
- *Flight Safety Foundation:*
 - **Location:** Alexandria, VA.
 - **Mission Statement:** To pursue the continuous improvement of global aviation safety and the prevention of accidents.
 - **Additional Info:** The Foundation is an independent, nonprofit international organization that provides a neutral forum, where the aviation industry can meet in a noncompetitive environment to identify safety concerns, determine solutions and implement ideas and actions to improve safety. The Foundation's objectives are to pursue the active involvement and participation of the diverse elements of global professional aviation, anticipate, identify and analyze global aviation safety issues and set priorities, communicate effectively about aviation safety, and be a catalyst for action and the adoption of best aviation safety practices.
 - **Website:** <http://www.flightsafety.org/home.html>.
 - **Contact Info:** Stuart Matthews, President & CEO.
Phone: (703) 739-6700.

AIRCRAFT OWNERS/PILOTS/PASSENGERS:

- *Aircraft Owners and Pilots Association (AOPA):*
 - **Location:** Frederick, MD (HQ).
 - **Mission Statement:** To support pilots and owners at local, state, and federal levels by fighting issues that threaten their right to fly.
 - **Additional Info:** Deals with issues such as airspace restrictions, fuel taxes, and airport closings. Aviation specialists are available to give advice on buying and maintaining aircraft, flight planning, training, and other aviation-related issues. Provides aviation legal services to members and hold educational safety programs.
 - **Website:** <http://www.aopa.org/>
 - **Contact Info:**
Address: 421 Aviation Way, Frederick, MD 21701
Phone: (301) 695-2000.
Email: aopahq@aopa.org