



Biography

Mr. Jay E. Dryer

*Director, Advanced Air Vehicles Program
NASA Aeronautics Research Mission Directorate (ARMD)*

Mr. Dryer is responsible for the overall planning, management and evaluation of the directorate's efforts to develop tools, technologies, and concepts that enable new generations of civil aircraft that are safer, more energy efficient, and that have a smaller environmental footprint. The program works to achieve major leaps in the performance of subsonic fixed and rotary wing aircraft to meet growing long-term civil aviation needs, in the concept of low-boom supersonic flight, and in sustaining hypersonic competency for national needs.

He also supports the ARMD associate administrator in a broad range of mission directorate activities, including strategic and program planning; budget development; program review and evaluation; and external coordination.

Previously, Dryer was director of the Fundamental Aeronautics Program Office. He was also senior technical advisor for ARMD, which involved oversight of all ARMD programs and projects in terms of architecture, requirements and budgets, technical reviews and research activities. Dryer also managed the directorate's extensive NASA Research Announcement process.

Before joining NASA, he worked with Arion Systems and SRA International providing technical support to the Defense Advanced Research Projects Agency (DARPA). His work included research in rotorcraft for the DARPA Helicopter Quieting Program significant planning for the 2004 DARPA Grand Challenge program, an innovative autonomous vehicle race in the desert.

During the 1990s, Dryer served in the U.S. Navy's Nuclear Submarine Force, the Deep Submergence Unit, and Development Squadron Five, specializing in development and operation of unmanned aerial and submersible vehicles. He directed the unmanned submersible vehicle that located the wreck of the U.S.S. Yorktown from World War II, and he also commanded the last survey missions to the sites of the lost U.S.S. Thresher and U.S.S. Scorpion submarines.

Dryer holds a bachelor's of science degree in systems engineering from the U.S. Naval Academy and a master's of science degree in ocean engineering from Massachusetts Institute of Technology.



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