



# Biography

## Dr. Jaiwon Shin

*Associate Administrator*

*NASA Aeronautics Research Mission Directorate (ARMD)*

Dr. Jaiwon Shin is the associate administrator for the Aeronautics Research Mission Directorate (ARMD), a position which he has held since 2008. Shin manages the agency's aeronautics research portfolio and guides its strategic direction, including research in advanced air vehicle concepts, airspace operations and safety, integrated aviation systems, and the nurturing and development of transformative concepts for aviation.

Shin co-chairs the National Science & Technology Council's Aeronautics Science & Technology Subcommittee whose charter is to facilitate coordination and collaboration among the federal departments and agencies that fund aeronautics-related research. The subcommittee wrote the nation's first presidential policy for aeronautics research and development (R&D). The policy was established by Executive Order 13419 in December 2006 and will guide U.S. aeronautics R&D programs through 2020.

He is a past chair of the International Forum for Aviation Research, the world's only aviation research establishment network, with 26 member countries that seeks to connect research organizations and enable information exchange on aviation challenges of common interest.

Between May 2004 and January 2008, Shin served as deputy associate administrator for the ARMD, where he was instrumental in restructuring NASA's aeronautics program to focus on fundamental research and better align with the nation's Next Generation Air Transportation System (NextGen).

Prior to coming to work at NASA Headquarters, Shin served as chief of the Aeronautics Projects Office at NASA's Glenn Research Center. In this position he managed all of the center's aeronautics projects. Prior to this, he was Glenn's deputy director of aeronautics, where he provided executive leadership for the planning and implementation of Glenn's aeronautics program, and interfaced with NASA Headquarters, other NASA centers, and external customers to explore and develop technologies in aeropropulsion, aviation safety and security, and airspace systems.

Between 1998 and 2002, Shin served as chief of the Aviation Safety Program Office, as well as the deputy program manager for NASA's Aviation Safety Program, and Airspace Systems Program. He assisted both program directors in planning and research management.



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# Biography

## **Dr. Jaiwon Shin (continued)**

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His NASA honors include the 2008 Presidential Rank Award for Meritorious Senior Executive, NASA's Outstanding Leadership Medal, NASA's Exceptional Service Medal, a NASA Group Achievement Award, Lewis Superior Accomplishment Award, three Lewis Group Achievement Awards, and an Air Force Team Award.

In 2019, Shin was honored as a Fellow by the AIAA, a distinction that is conferred upon individuals in recognition of their notable and valuable contributions to the arts, sciences, or technology of aeronautics and astronautics. He is a recipient of the 2017 AIAA Laureate Award for Innovation, and an Office of Personnel Management 2016 Meritorious Presidential Rank Award. He is a graduate of the Senior Executive Fellowship Program at the Kennedy School of Government at Harvard University, has extensive experience in high-speed research and aircraft icing, and has authored or co-authored more than 20 technical and journal papers.

Shin received his doctorate in mechanical engineering from the Virginia Polytechnic Institute and State University, Blacksburg, Virginia. His bachelor's degree is from Yonsei University in Korea and his master's degree is in mechanical engineering from the California State University, Long Beach.