



Biography

Dr. Nateri Madavan

*Director, Advanced Air Vehicles Program (AAVP)
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Nateri Madavan is the director for the Advanced Air Vehicles Program under the NASA Aeronautics Research Mission Directorate (ARMD) at NASA Headquarters in Washington, DC. Madavan is responsible for the overall planning, management, and oversight of the directorate's efforts to develop innovative concepts, technologies, and capabilities to enable revolutionary advances for a wide range of air vehicles. He supports the mission directorate and the ARMD associate administrator in a broad range of activities, including strategic and program planning, budget development, program review and evaluation, and external coordination and outreach.

The Advanced Air Vehicles Program focuses on achieving major leaps in the performance of subsonic fixed and vertical lift aircraft to meet challenging and growing long-term civil aviation needs; on pioneering low-boom supersonic flight to achieve new levels of global mobility; and on sustaining hypersonic competency for national needs while advancing fundamental hypersonics research.

Madavan most recently served as the deputy director of the Transformative Aeronautics Concepts Program within ARMD. In collaboration with the program director, Madavan supported the overall planning, management, and evaluation of the directorate's efforts to cultivate revolutionary concepts, tools, and technologies that enable aviation transformation.

He previously served as the acting deputy director of the Integrated Aviation Systems Program, where he supported the overall planning, management, and evaluation of ARMD's efforts to conduct experimental flight research, testing the most promising concepts and technologies from across the ARMD portfolio at an integrated system level. He also served as the associate project manager for technology for the Advanced Air Transport Technology project in the Advanced Air Vehicles Program, managing the project's research portfolio to enable revolutionary improvements in the energy efficiency and environmental compatibility of future generations of aircraft.

Madavan began his NASA career conducting research in the development and application of high-fidelity computational fluid dynamics simulation techniques at NASA's Ames Research Center in California. He has authored or coauthored more than 60 journal articles and technical papers, and jointly holds two U.S. patents. He is a two-time recipient of the NASA Outstanding Leadership Medal and his work has been recognized through various NASA honor, space act, group achievement, and technology transfer awards.

He obtained a bachelor's degree from the Indian Institute of Technology at Kharagpur, a master's degree from Iowa State University, and a doctorate from Penn State University, all in mechanical engineering. He is a Fellow of the American Society of Mechanical Engineers, a Fellow of the Royal Aeronautical Society, and an Associate Fellow of the American Institute of Aeronautics and Astronautics.

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