

David M. Schuster

NASA Engineering and Safety Center
NASA Langley Research Center
Hampton, VA

B.S. Aerospace Engineering, University of Cincinnati, 1981.

M.S. Aerospace Engineering, Georgia Institute of Technology, 1984.

Ph.D, Georgia Institute of Technology, 1992.

Dr. Schuster has worked in the Aerospace Industry for over 40 years starting as a cooperative education student at the Lockheed-Georgia Company in 1977. At Lockheed Georgia, he developed and applied CFD methods and conducted wind tunnel investigations on a wide variety of problems ranging from transports to advanced fighters to hypersonic vehicles. In partnership with the Air Force Research Laboratory, he was a key developer of one of the first coupled RANS aeroelastic codes. After a nearly 20-year career with Lockheed Martin, he joined NASA in NASA Langley's Aeroelasticity Branch where he continued to develop computational aeroelasticity methods and test aeroelastic concepts in LaRC's Transonic Dynamics Tunnel and other NASA and national facilities. He has investigated the unsteady aerodynamic and aeroelastic performance of a variety of aircraft and spacecraft systems. In 2007, he was named the NASA Technical Fellow for Aerosciences and joined the NASA Engineering and Safety Center. Today he leads an Aerosciences Technical Discipline Team of over 30 Government, industry, and academic subject matter experts that perform technical assessments and reviews for some of the Agency's most difficult technical challenges. He and his team have conducted technical assessments for the Space Shuttle, the Orion Spacecraft, the Space Launch System, and the Commercial Crew Program, as well as for projects in the Aeronautics and Science Mission Directorates. He was recently named as the Agency Capability Leader for the Aerosciences discipline which adds evaluation and coordination of Agency workforce and facility capability to his technical responsibilities. He leads a team of senior aerosciences managers from all ten NASA Centers to assess the readiness of the Aerosciences discipline to conduct NASA's mission and to develop and advocate for recommendations to further improve and enhance the discipline.

Dr. Schuster is an Associate Fellow of the AIAA, and has received the NASA Outstanding Leadership Medal.