

Scott A. Morton

DoD HPCMP CREATE Air Vehicles Project Manager

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Dr. Scott A. Morton manages the Air Vehicles component of the U.S. DoD HPCMP Computational Research Engineering Acquisition Tools and Environments (CREATE) Program. The project, CREATE-AV, produces a suite of three major products, Genesis Design, Helios, and Kestrel, delivering capabilities to the U.S. Defense Aerospace Industry in response to prioritized needs of the U.S. Armed Services. These products are architected to exploit current and future High Performance Computing (HPC) systems to enable use of multi-disciplinary, physics-based simulation software to generate actionable engineering data in support of Defense Acquisition. The project also includes a Quality Assurance Group that provides rigorous independent testing of all products prior to release; and technical support and product training to stakeholder organizations.

Prior to his current position, Scott was the Principal Software Developer for the Kestrel Fixed Wing Aircraft Product of the CREATE-AV suite of software. He received his BS from Parks College of St. Louis University in 1985, and his MS and PhD from the Air Force Institute of Technology in 1989 and 1996, respectively. During his 20 year Air Force military career he served at the National Air Intelligence Center, Air Force Flight Test Center, Air Force Research Lab, Air Vehicles Directorate, and Air force Academy. Scott served as a Professor of Aeronautics at the Air Force Academy from 1998 to 2006, at which time he retired from the Air Force at the rank of Lt. Colonel. Dr. Morton has specialized in the areas of high angle of attack aerodynamics, aeroelasticity, and computational stability and control in his 30+ year career.