

DAVID A. SHUMWAY

Mr. Shumway is VSAT's expert in integration of training psychology and behavioral sciences with engineering development, to create full-spectrum training systems including curricula, media, and devices. He was a major contributor to all aspects of our efforts on SBIR AF02-068, *Distributed Mission Training Requirements and Capability Analysis*, and SBIR N04-027, *A Fidelity Analysis Tool for F-35 JSF Training Systems*.

He was a member of the team that conducted a Training Requirements Analysis for the B-1 Conventional Mission Upgrade Program as well as another team that determined the initial requirements for the use of Distributed Mission Training (later Distributed Mission Operations) in Air Force training programs.

Mr. Shumway analyzed the use of faster than real-time training for aircrews and maintenance personnel and developed a tri-service Training Systems Technology Roadmap, projecting training system technology developments onto technology needs. He coordinated the roadmap with the military services, academia, and the industry.

He consulted on ground-based training systems for the Northrop Grumman Corporation on the Joint Primary Aircraft Training System (JPATS) during the proposal preparation and source selection for the aircraft contract.

As a civil servant with the US Air Force, Mr. Shumway was a first and second level supervisor of civilian and military engineers, educational specialists, and training psychologists. His positions included major responsibilities in definition and implementation of instructional system development processes. He was a key player in defining the Air Force Training System Requirements Analysis (TSRA) process, and integrating it with the formal systems engineering process for major weapon system acquisition. His other duties included planning for and assigning engineers and psychologists to support multiple programs.

He has served as vice-chairman of the AIAA Working Group on Training Simulation and on the technical paper committee for the Interservice/Industry Training Systems Conference (now I/ITSEC). He holds a Bachelor of Science in Mechanical Engineering from University of Rochester, New York, and a Master of Science in Systems Engineering from Wright State University.