

**Dr. Art Morrish** is vice president of Advanced Concepts and Technology, a focus area within Raytheon Space and Airborne Systems. As a member of the SAS Leadership Team, he is responsible for the development and implementation of emerging system concepts, products and strategic technologies that position SAS for the future.

Before joining Raytheon in 2015, Morrish was vice president and chief technology officer for L-3 Communications' Electronic Systems business segment. There, he guided L-3 Security and Detection Systems efforts to develop airport security technologies involving trace explosive detection and biometric identification. At L-3, Morrish also directed long-range IRAD plans, led technical reviews of mergers and acquisition opportunities and provided strategic guidance to numerous proposals to the Defense Advanced Research Projects Agency and other Advanced R&D customers. He implemented an L-3 initiative partnering with two national universities to develop strategic research relationships and increase brand awareness for graduate and undergraduate recruiting.

Before L-3, Morrish was director of DARPA's Tactical Technology Office, which develops large prototype military systems. At DARPA, Morrish provided strategic vision and oversaw the management of TTO's unmanned systems, space operations, urban operations and other systems that deliver operational dominance to the warfighter. Earlier, Morrish served as TTO's deputy director and also as program manager/chief scientist for Advanced Special Projects in DARPA's Advanced Technology Office. He was primarily responsible for advanced concepts and designs of survivability systems and weapons; munitions for vehicles, aircraft and warships; and guiding development of countermeasures to defeat emerging weapon systems.

Prior to DARPA, Morrish was deputy program manager for Aircraft Low Observables at the Office of Naval Research/Naval Research Laboratory. Before that, he worked as a research chemist leading studies of diamond nucleation, diamond fibers and diamond composites. These efforts generated five U.S. patents. He has more than 50 papers, publications and presentations to his credit. Morrish is the recipient of the Secretary of Defense Meritorious Civilian Service Award for exceptionally noteworthy service of major significance to the DoD.

Morrish holds a bachelor's degree in physical science from Michigan State University and a doctorate in analytic chemistry from the University of Maryland.

Raytheon Space and Airborne Systems is a leading provider of integrated sensor, communication and electronic warfare systems giving military forces the most accurate and timely actionable information available for the network-centric battlefield. With a workforce of 13,500 and 2014 sales of \$6.1 billion, SAS is headquartered in McKinney, Texas, with operations across the U.S. and internationally.

Raytheon Company, with 2014 sales of \$23 billion and 61,000 employees worldwide, is a technology and innovation leader specializing in defense, civil government and cybersecurity markets throughout the world. With a history of innovation spanning 93 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as

well as cybersecurity and a broad range of mission support services. Raytheon is headquartered in Waltham, Mass. For more about Raytheon, visit us [www.raytheon.com](http://www.raytheon.com) and follow us on Twitter [@raytheon](https://twitter.com/raytheon).