



Mechanical Engineering  
Academy of Distinguished Alumni

## **Scott D. Arnold**

*Distinguished Mechanical Engineer, 2020*

BSME, Texas Tech University, 1982

MSME, The University of Texas at Austin, 1984

*Vice President of Integrated Air and Missile  
Defense (IAMD)*

Lockheed Martin

Scott Arnold was born in Anaheim, CA in 1960. He moved to Texas in his youth and graduated from W. T. White High School in Dallas, TX. His father and grandfather were both engineers, so it was not surprising that after high school, Scott decided to enroll in the mechanical engineering department at Texas Tech University. After receiving his BSME from TTU in 1982, he enrolled in The mechanical engineering graduate program at the University of Texas, where he focused his studies on thermodynamics and fluid sciences. He received his MSME from UT in the spring of 1984 and immediately started his professional career at LTV Aerospace, which would later become part of Lockheed Martin, where he has worked for over 35 years.

Scott's early career was focused on analytical work in the thermal sciences, solving complex aerospace problems. He helped design a two-phase helium cryogenic cooling system for an infrared seeker on the US Air Force Anti-Satellite (ASAT) missile, which successfully intercepted a satellite target in 1985. During the 1980s he was a member of the American Institute of Aeronautics and Astronautics (AIAA) Thermophysics Technical Committee, helping advance the state-of-the-art in his field of expertise. He also made critical technical contributions to the US Space Station Heat Rejection System (HRS) radiators and the US Space Shuttle Thermal Protection System (TPS) in his work at Lockheed Martin.

Scott transitioned into leadership at Lockheed Martin in the 1990s, taking on roles with increasing responsibility in technical management, program

management, and quality management. He served as vice president of the Precision Fires line of business, leading several of Lockheed Martin's precision-guided missile programs, including the US Army Tactical Missile System (ATACMS) and Guided Multiple Launch Rocket System (GMLRS).

In 2013, Scott moved into the Integrated Air and Missile Defense (IAMD) line of business and is currently leading the organization as the vice president of IAMD for Lockheed Martin. For this line of business, he leads a team of more than 3,000 employees globally and is responsible for delivering defense systems to the U.S. Army and the Missile Defense Agenda (MDA), as well as 13 international customers in the Middle East, Europe and Asia.

Scott received the Honorable Order of Saint Barbara Award through the U.S. Field Artillery Association (USFAA) and the Air Defense Artillery Association (ADAA) for his work with those organizations over the span of his career. Scott currently serves as an Executive Board Member for the Lockheed Martin – UT Strategic Partnership Program and encourages young engineers to pursue a career path in the aerospace industry.

Scott met his wife Kathy while they were both at UT, where she received a BA degree in Italian. They have three wonderful children, Kristen (UT '15, BA Plan II, UHealth '19, MD), Stephanie (U of SC '18, BS Env Sci, UT '20, MS Env Sci), and Brian (U of Washington '21, BSEE).