

Antonio L. Elias

Executive Vice President and Chief Technical Officer



Dr. Antonio L. Elias is Executive Vice President and Chief Technical Officer of Orbital ATK. In 2012, Dr. Elias was named Executive Vice President and Chief Technical Officer of Orbital Sciences. Previously, he was Executive Vice President and General Manager of Orbital's Advanced Programs Group, which he led since its inception in 1997. Earlier, he served as Orbital's Chief Technical Officer from 1996 to 1997 and as Corporate Senior Vice President from 1992 to 1996. In 1989, Dr. Elias was named Orbital's first Vice President for Engineering. From 1987 to 1991, he led the technical team that designed and built the Pegasus air-launched booster, flying as launch vehicle operator on the B-52 carrier aircraft for the rocket's first and fourth flights. He also led the design teams of Orbital's APEX and SeaStar satellites and the X-34 hypersonic research vehicle.

Dr. Elias also held various teaching and research positions in the Department of Aeronautics and Astronautics at the Massachusetts Institute of Technology prior to his time with Orbital. During the 1970's, he worked on the design of the Space Shuttle Orbiter avionics system at Draper Laboratory, where he originated the Shuttle's Terminal Area Energy Management (TAEM) guidance concept.

Dr. Elias holds B.S., M.S., E.A.A. and Ph.D. degrees from the Massachusetts Institute of Technology. He is a Member of the National Academy of Engineering and a Fellow of the American Institute of Aeronautics and Astronautics, the American Astronautical Society and the International Academy of Astronautics. His awards include the 1991 AIAA Engineer of the Year, AIAA Aircraft Design Award and AAS Brouwer Award. He is a co-recipient of the 1991 National Medal of Technology and the 1990 National Air and Space Museum Trophy and holds FAA Airline Transport Pilot and Flight Instructor certificates.