

Allan McDonald
ATK Retired



Allan J. McDonald received a B.S. in Chemical Engineering from Montana State University in 1959 and an M.S. in Engineering Administration from the University of Utah in 1967. He worked in design engineering, project engineering, propellant development, and program management during his 42-year career at ATK Thiokol Propulsion, retiring in 2001. He worked on Minuteman, Trident, and Peacekeeper ICBM programs, Genie, HARM, and Standard Missile tactical systems, Malemute sounding rocket, PAM-DII space motor, and the Castor 4A, 4AXL, and Castor 120 space booster programs. He was also involved in several technology programs for controllable solid rockets, hybrid rockets, automobile air bag propellants, and environmental impacts of solid rocket motor exhaust. He was the Director of the Space Shuttle Solid Rocket Motor Project at the time of the *Challenger* accident and led the redesign of the SRM as Vice President of Engineering for Space Operations in the return-to-flight program for the Space Shuttle. He received an Honorary Doctor of Engineering degree from Montana State University in 1986 and is a Fellow member and Distinguished Lecturer for AIAA. He has published over 80 technical papers and made presentations to numerous technical organizations and universities throughout the world. He has received numerous awards for his professional activities, does consulting for various aerospace companies and government agencies and is currently a member of the Board of Directors of Orbital Technologies Corporation in Madison, Wisconsin.