



## **KAROLYN D. YOUNG**

Karolyn D. Young is a rocket scientist and systems engineer who brings broad technical and programmatic acumen to help solve our nation's hardest problems.

Ms. Young earned B.S. and M.S. degrees in Aerospace Engineering from the University of Michigan, Ann Arbor.

Ms. Young's career in the aerospace industry has spanned over 35 years, with diverse and increasing responsibility in technical and programmatic leadership roles. As a mission planner, she provided early orbit operations technical support (determining spacecraft orbit and attitude maneuvers) for twelve NAVSTAR Global Positioning Satellite System (GPS) mission and other national programs. She managed mission design and targeting, and independent verification and certification analyses for Titan IV launches. Ms. Young was responsible for special studies and mission integration of small satellite tech demos and launch systems. She led structures, mechanisms, thermal, and propulsion subsystem functional assessments for a national satellite program. Promoted to Principal Director, she staffed and managed engineering resources and overall operations, to develop the space and ground architectures and field capabilities from concept design through development, deployment and operations. She has supported the development of acquisition strategies related to the design, test, operation, and procurement of a family of launch systems.

Ms. Young has been a guest lecturer at the Air Force Institute of Technology and the Industrial College of the Armed Forces. Ms. Young has served in the following capacities: member of the Challenger Center for Space Science Education national board of directors; co-founder and President of the GEM (Graduate Degrees for Minorities in Engineering) Alumni Association; member of the AFSAB Operationalizing Space Launch Study Adhoc Committee; and member of the USRA Center for Space Nuclear Research Science Council. In 2011, she received the Emerald Honors Award for Professional Achievement from the U.S. Black Engineer and Technology Magazine. As a member of the Screen Actors Guild (SAG), she is an actor and voice-over professional. Ms. Young also serves as a regional science fair judge; mentor; keynote, motivational and commencement speaker.