Abstract

Jonathan Malay, Director for Region I (Northeast US) for the American Institute of Aeronautics & Astronautics (AIAA), President-elect of the American Meteorological Society (AMS), and the Washington representative for Lockheed Martin to NASA and NOAA headquarters, will speak on the topic of revolutionary technologies in Earth and planetary observations and their role in scientific understanding and operational weather forecasting. Innovative developments in increasingly sophisticated space systems, super high capacity computing, high temporal and spatial resolution numerical modeling, four dimensional information displays, and planet-shrinking communications connectivity are all powerful tools, empowering today’s scientists to revolutionize our understanding of the incredibly complex physical properties and processes of our planet, the sun, and our neighbors in the solar system. Opportunities for University scientists and engineers to employ their imaginations and talents in these fields through research grants and contracts will be discussed.

Speaker’s Biography

Jonathan Malay is the Director of Civil Space and Environment Programs in Washington Operations of Lockheed Martin, having joined the corporation in the spring of 2003. In this position, he provides day-to-day business development liaison for the Corporation with both NASA and NOAA Headquarters and the NASA Goddard Space Flight Center.

Mr. Malay is a retired naval officer with twenty years of active duty, mostly spent as a specialist in meteorology and oceanography. He was a finalist for NASA astronaut mission specialist selection in 1984, but instead went on to serve as Meteorological Officer on a nuclear aircraft carrier, and then staff officer positions at the Naval Space Command, the Office of the Oceanographer of the Navy, and the National Reconnaissance Office. After retiring from active duty in 1993, he worked briefly at Orbital Sciences Corp. and at the Satellite and Information Service of NOAA, and then was Washington Rep. for Ball Aerospace from 1995 until joining Lockheed Martin.

Very active in professional societies, Mr. Malay is a Fellow and Past-President of the American Astronautical Society (AAS), an Associate Fellow and the current Director of Region I (Northeast US) of the American Institute for Aeronautics & Astronautics (AIAA), President of the NASA Goddard Contractors Association, and an Executive Committee Member for the Alliance for Earth Observations. He is a 38 year professional member of the American Meteorological Society (AMS), and was recently elected as President-elect of the Society.

Mr. Malay is also the author of a 2003 novel Seraphim Sky, and co-author of the 2004 National Geographic Encyclopedia of Space. He is a 1973 graduate of the US Naval Academy with a BS in Oceanography, and received an MS in Meteorology from the Naval Postgraduate School in 1974. He and his wife Sharon live in Fredericksburg, Virginia.