

James F. Paradise

Deputy Manager, Learning and Development
Engineering Training
Lockheed Martin Space Systems



Education

- B.S., University of Colorado, Electrical Engineering, 1998
- M.S., University of Denver, Systems Engineering Mechatronics, in progress
- University of Nebraska, Chemistry
- Morningside College, Chemistry

Professional Interests

Application of Composites and Electronics in Aerospace, Hydrogen Fuel Cell application, Solar Energy application, increasing automotive Fuel Efficiency, Home Automation, and Improvised Explosive Device (IED) Detection

Lockheed Martin: Headquartered here in Denver, Colorado, Lockheed Martin Space Systems capabilities address the complete range of space systems requirements including launch services; the design, manufacture and integration of on-orbit systems; and spacecraft operations on the ground. NASA selected Lockheed Martin as its industry partner to build the Orion Crew Exploration Vehicle. Orion will replace the Space Shuttle in transporting a new generation of human explorers to the International Space Station, the Moon, near-Earth Asteroids, and eventually to Mars.

Examples of critical missions our space systems and technologies support include:

- Support to the human space flight program
- Orbiting observatories and telescopes that extend the field of vision to the very origins of life
- Critical national security payloads that gather intelligence and provide protected connectivity
- Sophisticated spacecraft that capture high-resolution images and relay information back to Earth
- We are currently flying the Spitzer IR Space Telescope, Mars Odyssey, Mars Reconnaissance Orbiter, Mars Phoenix lander, and Stardust spacecraft from our Waterton facility, The Mars orbiters are relaying data to and from the Mars Exploration Rovers, Spirit and Opportunity, currently on the surface of Mars.