

NAHUM MELAMED

**PROJECT LEADER,
GUIDANCE AND CONTROL SUBDIVISION**



Dr. Nahum Melamed is a project leader in the Embedded Control Systems Department in the Guidance and Control Subdivision at The Aerospace Corporation. He joined Aerospace in 2003. As a technical lead in Launch Vehicle Software, Melamed coordinates and guides a team of interdepartmental technical experts, and supports validation and mission readiness certification of the flight software and mission parameters for the Delta IV launch vehicles. He serves as the management, program office, and contractor FSW point of contact on the Delta IV Common Avionics program and on NASA's SLS/ICPS FSW Independent Verification and Validation program. In his work, Melamed monitors flight operations on day of launch, performs post-flight analyses, and participates in discussions concerning launch performance.

During his tenure at Aerospace, Melamed has demonstrated a corporate educational standard for knowledge and competency in space systems engineering. He conducts planetary defense technical and policy studies, serves on planetary defense conferences, exercises organizing committees, and speaks at these venues.

The Aerospace Corporation is an independent, nonprofit organization dedicated to the objective application of science and technology toward the solution of critical issues affecting the nation's space program.

Education

Melamed earned a bachelor's and a master's degree in aeronautical engineering from the Technion, Israel Institute of Technology, and a Ph.D in aerospace engineering from Georgia Institute of Technology.

Affiliations

Melamed is a member of the American Institute of Aeronautics and Astronautics.

Honors and Awards

Melamed was honored by The Aerospace University (TAU) for leading the development of a web-based asteroid deflection application jointly with NASA's Jet Propulsion Laboratory, and instructing a TAU planetary defense class utilizing the tool. Upon successfully completing the corporation's certificate program, Melamed was awarded the Aerospace Systems Architecting Engineering Certificate.

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