

# **DR. JOSEPH E. MAZUR**

## **PRINCIPAL DIRECTOR**

### **SPACE SCIENCE APPLICATIONS LABORATORY**



Dr. Joseph Mazur is principal director of the Space Sciences Applications Laboratory at The Aerospace Corporation. He has more than 30 years of experience in space science and space hazard effects, including advanced particle detectors, space physics, solar energetic particles, trapped particles in the Earth's magnetosphere, and space environment effects on space systems. He is active in the design and construction of advanced particle detectors and low-impact space radiation monitors. His scientific research interests include the composition, acceleration, and transport of solar energetic particles in interplanetary space and trapped particles in the Earth's magnetosphere.

Mazur was co-investigator on the NASA Solar, Anomalous, and Magnetospheric Particle Explorer; the NASA/ESA Ulysses mission; and the NASA Lunar Reconnaissance Orbiter and he was an instrument investigator on the NASA Advanced Composition Explorer spacecraft. Mazur is currently the principal investigator of a high-energy proton spectrometer for the NASA Radiation Belt Storm Probes mission.

#### **Education**

Mazur earned his bachelor's degree in physics from the University of Chicago and his master's degree and Ph.D. in physics from the University of Maryland.