

IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE ASTRONOMY AND
SOLAR-SYSTEM SCIENCE MISSIONS (A7)
Technology Needs for Future Missions, Systems, and Instruments (3)

Author: Mr. David Harrison
United States, david.harrison@materion.com

OPTICAL COATING HERITAGE & TECHNOLOGY ADVANCEMENTS FOR SPACE
EXPLORATION

Abstract

Materion Optics Balzers has been providing optical coatings for space exploration, both ground and space based for over 40 years. Technology and capability have advanced significantly over that time. This presentation intends to connect past heritage (Cassini, Juno, Euclid, GAIA, Hubble, PSP, JWST) to current capability (Ariel Telescope, Roman Space Telescope) and future advancements.