



NASA Astrophysics Technology

AAS 245 Gaylord National Resort & Convention Center NASA Technology Splinter Session

Astrophysics Technology Development Success Cases

Session Details

Targeted Audience: Technologists, Principal Investigators

Session Duration: 90 mins

Location: Tue, Jan 14, 2025, 10:00 AM - 11:30 AM EST | Room: Annapolis 1-2

[AAS 245 Agenda Link](#) **On-site contact:** 240-485-7863 (call/txt) | Rachel.B.Rivera@nasa.gov

Description:

NASA's Astrophysics Division has invested and continues to invest hundreds of millions of dollars in advancing cutting-edge technologies that enable ever-more challenging strategic missions. Allowing technologists to mature strategic technologies reduces technical, schedule, and cost risks of large missions. This session will discuss some of the most exciting and compelling recent technology advances in coatings, detectors, and coronagraphs that enable missions such as the Roman Space Telescope, the Habitable Worlds Observatory, and far-IR and X-ray Probes. The session's special focus will be on successes such as TRL advances and infusions into flight missions.

Session Structure:

- Intro – 5 mins
- Invited Speakers (10 minutes presentation, 2 minutes Q&A each) – 70 mins
- Panelist format for Q&A– 15 mins

Panelists:

- Shouleh Nikzad UV Detectors
- Paul Scowen Next Generation Microshutter Arrays
- Caroline Kilbourne X-Ray Detectors
- John Hennessy UV Coatings
- Feng Zhao Coronagraphs
- Matt Bradford Far-IR Detectors

Panel Questions:

- Can you share your lessons learned on advancing TRL?
- How do you structure a winning proposal?