



Discovering the Universe

Paul Hertz is director of astrophysics in the Science Mission Directorate at NASA. He is responsible for the Agency's research programs and missions necessary to discover how the Universe works, to explore how the Universe began and developed into its present form, and to search for Earth-like planets.

Hertz spoke with SPIE about his upcoming plenary talk at [SPIE Optics + Photonics](#), where he will summarize NASA's astrophysics program and discuss possible visions for the future of NASA astrophysics.

[Read the interview](#)

SPIE Photonics West 2022

Join your community in San Francisco this January. The Photonics West call for papers is now open. Plan for your participation and submit an abstract by 11 August 2021.

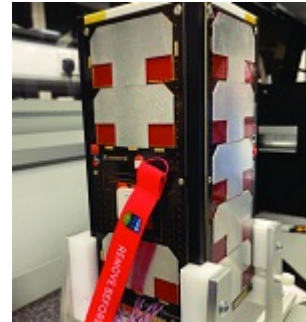
[Browse the call for papers](#)



Mission Testing for improved reliability of CubeSats

A resource that identifies the most valuable aspects of Mission Testing, and spotlights lessons learned in light of on-orbit operations.

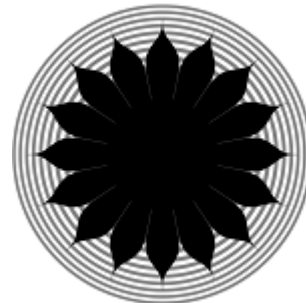
[Read the paper](#)



Getting a better look at exoplanets with starshades

A fictional dialogue between a hypothetical student and a starshade expert covers everything you want to know about starshades.

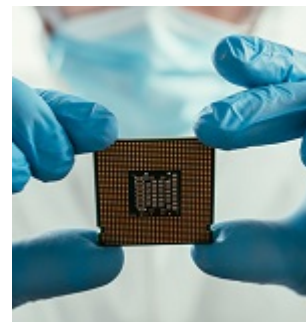
[Read the article](#)



The photonics industry grapples with global semiconductor shortage

The post-COVID-19 era could be a situation akin to the US' post-World War II innovation and manufacturing boom.

[Read the article](#)



Million-dollar SPIE Faculty Fellowship

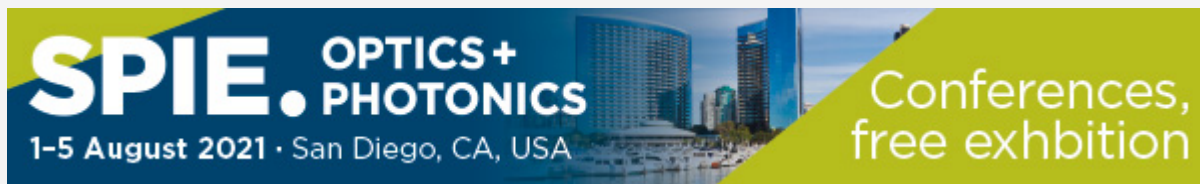
The \$500,000 gift from the SPIE Endowment Matching Program will be matched 100 percent by Vanderbilt University, supporting a faculty member at the School of Engineering.

[Read the article](#)



Top 5 Must Reads

- The heart of a [lunar sensor](#)
- [Giant ghostly 'hand'](#) stretches through space in new x-ray views
- Satellite galaxies continue [forming stars](#) when near their parent galaxies
- A ['strange signal'](#) is coming from the Milky Way. What's causing it?
- Advances in optical engineering for [future telescopes](#)



You are receiving this email because you opted into the SPIE eNews email list. Questions, comments, and feedback are welcome at customerservice@spie.org.

[Conferences](#) | [Membership](#) | [Industry](#)



SPIE.

SPIE is the international society for optics and photonics
P.O. Box 10, Bellingham, WA 98227-0010 USA
Copyright © 2021 SPIE. All rights reserved.

[Unsubscribe](#)

