

# SPIE. PHOTONICS INDUSTRY SUMMIT

25 September 2024  
Washington DC, United States

Welcome to the third annual SPIE Photonics Industry Summit. This important event focuses on the optics and photonics industry as a key enabler of critical technology from the executive leadership perspective.

This year's lineup of prestigious speakers will discuss the priorities of the U.S. government in strengthening domestic manufacturing, supply chains, and national security.

Thought leaders across the optics and photonics domain are seeking to shape the future and drive innovation. Meanwhile, major areas of government investment—including defense investment strategy, semiconductors, directed energy, and sustainability—are on the agenda to bring focus to technology driving the expansion of U.S. innovation.

Today's Summit is a special opportunity to learn, clarify business strategies, foster new alliances, and light the path toward a robust U.S. science and technology enterprise. Thank you for your participation.



**Kent Rochford**  
CEO  
SPIE



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**SPIE.** SPIE is the international society for optics and photonics. We bring together engineers, scientists, students, and industry leaders, strengthening the global optics and photonics community through conferences, publications, and professional development. Inspired by the transformative power of photonics to enhance life around the globe, over the past five years SPIE has contributed more than \$24 million to the international optics community.

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[spie.org/summit](https://spie.org/summit)

## Morning Session

8:30 AM Registration Opens | Continental breakfast available

9:00 AM *Welcome and Introduction*



**Kent Rochford**  
SPIE CEO

9:05 AM *Introduction by Quartus Engineering*

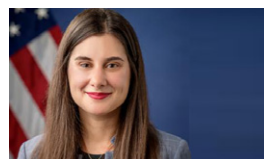
### U.S. Defense Innovation Unit



**Kushal Seetharam**  
Postdoctoral researcher, Harvard and Senior Advisor for the Emerging Technology, U.S. Defense Innovation Unit

9:45 AM *Introduction by Joseph Spilman, Optimax*

### Investing in America: Innovation, Job Creation, and National Security



**Cristina Killingsworth**  
Deputy Assistant Secretary for Policy and External Affairs, U.S. Economic Development Administration

10:30 AM Coffee break

10:45 AM *Introduction by Robert Walker, Leonardo*

### Directed Energy, Defense for Research and Engineering



**Mark Spencer**  
Director of the Joint Directed Energy Transition Office (JDETO), Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E))

11:30 PM Break for lunch

12:45 PM *Introduction by Jenn Cable, Thorlabs*

### Advanced Research Projects Agency-Energy (ARPA-E)



**Olga Blum Spahn**  
Program Director, Advanced Research Projects Agency-Energy (ARPA-E), U.S. Department of Energy

## Program Agenda

## Afternoon Session

1:30 PM *Introduction by Ravi Guntupalli, Teledyne*

### Research Updates from the National Aeronautics and Space Administration (NASA)



**Mark Clampin**  
Director, Astrophysics Division, NASA Headquarters

2:15 PM Coffee break

2:30 PM *Introduction by Kirk Warden, La Croix Optics*

### Optics Technologies Enabling Fusion Ignition at the National Ignition Facility



**Tayyab Suratwala**  
Program Director for Optics and Materials Science & Technology (OMST) in the NIF and Photon Science Directorate, Lawrence Livermore National Laboratory

3:15 PM *Introduction by Sydor Optics*

### Funding Updates from the Department of Defense



**Farooq Mitha**  
Director of the Department of Defense (DoD) Office of Small Business Programs (OSBP)

4:00 PM Coffee break

4:15 PM *Introduction by Hamamatsu*

### Updates on the CHIPS Research and Development Program



**Eric K. Lin**  
Deputy Director, CHIPS Research and Development Program, National Institute of Standards and Technology (NIST)

5:00 PM Evening Reception

## Evening



### Evening Reception

Attend this networking reception directly following the CHIPS session.



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**INDUSTRY SUMMIT**

Review bios and more online: [spie.org/summit](https://spie.org/summit)