



Weekly News



**New Biophotonic Tech Center Comes to Albany and the Nominees are Named for the 2025 Prism Awards**

SUNY Albany will become the home of the new Center for Biophotonic Technology and Artificial Intelligence. Teledyne Technologies is expanding after acquiring contracts from Excelitas. IonQ is in the process of acquiring quantum networking company Qubitekk and it is also forming a partnership with both NKT Photonics and Ansys. Hamamatsu Photonics KK is acquiring BAE Systems Imaging. Corning, is responding to scrutiny from the EU after the opening of an

antitrust investigation. And SPIE is announcing the nominees for the 2025 Prism Awards! Sponsored by Reynard Corporation and Hamamatsu Corporation.

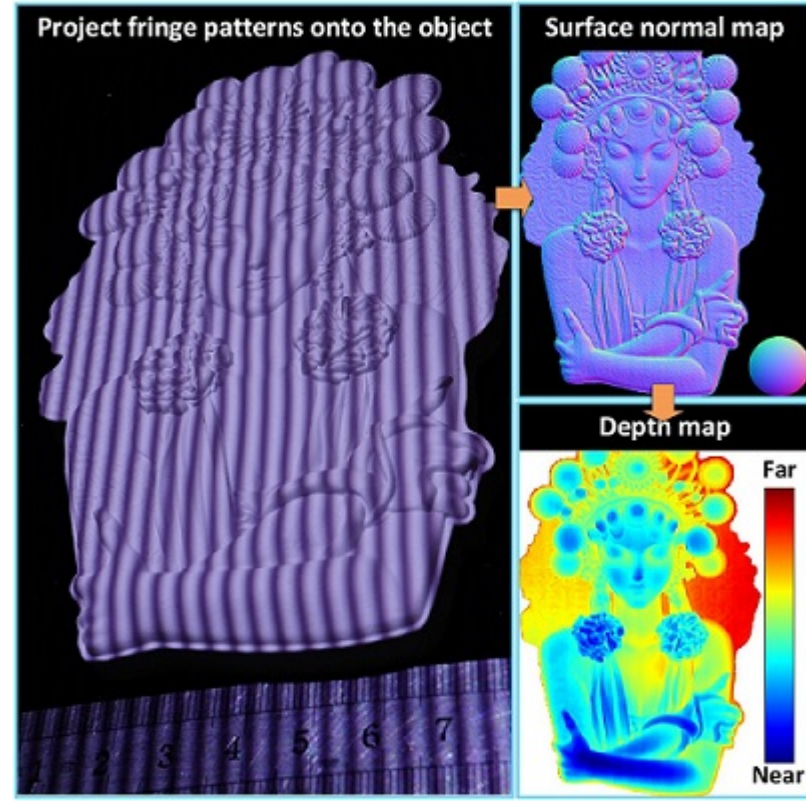
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**SPIE Announces Finalists for 2025 Prism Awards**

SPIE, the international society for optics and photonics, has named finalists for the 2025 Prism Awards. The 24 products — from companies ranging from emerging innovators to industry stalwarts — selected in eight categories, will be honored during a Jan. 29 gala evening at SPIE Photonics

West. SPIE, the international society for optics and photonics, has named finalists for the 2025 Prism Awards. The 24 products — from companies ranging from emerging innovators to industry stalwarts — selected in eight categories, will be honored during a Jan. 29 gala evening at SPIE Photonics West. [Read Article](#)



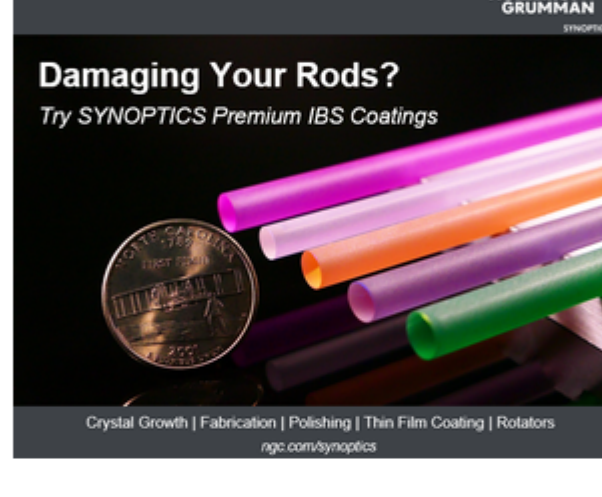
**Imaging Method Improves Scanning Speed for Precise 3D Surface Measurement**

A new technique for 3D surface measurement, called fringe photometric stereo (FPS), could improve the speed and accuracy of surface measurements taken for industrial inspection, medical applications, robotic vision, and other purposes. The FPS method for acquiring and reconstructing 3D surface measurements was developed by a research team at the University of Electronic Science and Technology of China. [Read Article](#)



**Leibniz-IPHT, SUNY Albany Establish BioPhotonic, AI Tech Center**

The Leibniz Institute of Photonic Technology and the State University of New York at Albany (SUNY Albany) have established the Center for Biophotonic Technology and Artificial Intelligence (CeBAI) at SUNY Albany's campus. The center will focus on developing solutions for medicine and forensics using photonic technologies and AI, and to accelerate their path to market. [Read Article](#)



Featured Products & Services



**Transportable E/O Converter**

Highland Technology Inc.

The J724 is a transportable single-channel electrical-to-optical converter that allows fast timing and logic-level signals to be transported while taking advantage of the superior speed, attenuation, and EMI characteristics of optical fiber.

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**Green Laser to Deliver Stability**

Ampliconx Oy

The AMPX-PICO-532

picosecond green fiber laser, developed with patented technology, is designed to break new ground in time and spectral resolution flavored by versatile OEM integration and elegant control.

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**Looking for something else? Check the Photonics Marketplace.**



More News

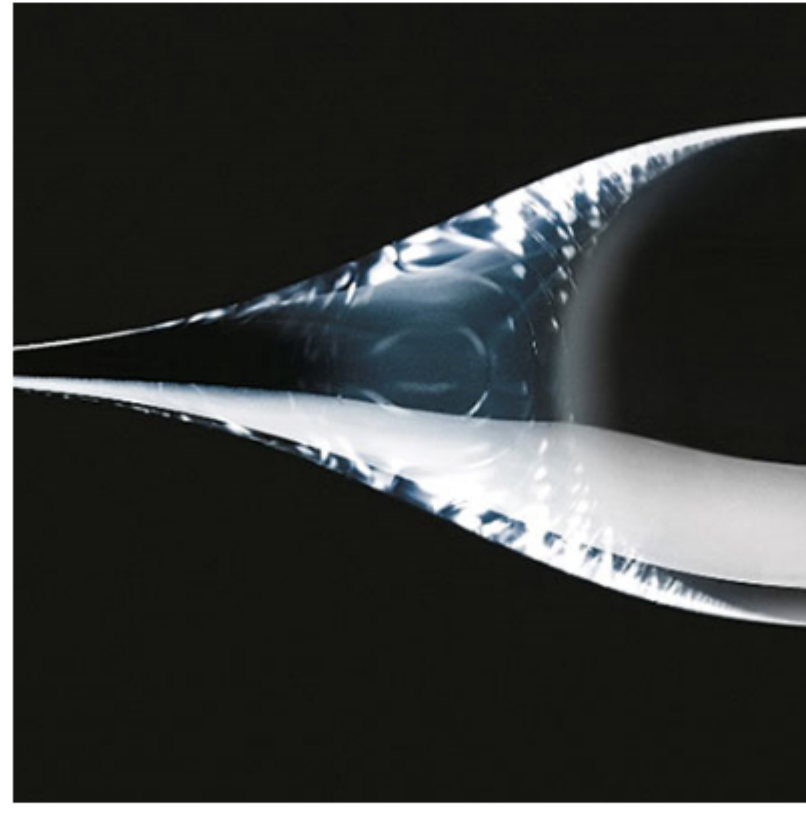
[EU to Establish Pilot Line for Photonic Integrated Circuits](#)

[IonQ Acquiring Qubitekk, Partnering with NKT Photonics, Ansys](#)

[Unidirectional Imaging Enables Asymmetric Visual Info Processing](#)

[Waveguiding Method Builds Path to Guide Light Through Scattering Materials](#)

Latest Webinars



**Fused Silica Step Index Fibers: Advanced Preform and Fiber Metrology**

Tue, Dec 10, 2024 10:00 AM - 11:00 AM EST

This webinar discusses advanced preform and fiber measurement techniques for specialty fibers, with a particular focus on fibers produced using the POD (plasma-doped fused silica deposition) process. In this process, fluorine-doped fused silica is applied to the outside of a high-purity core rod made of synthetic quartz glass to produce the refractive index step required for light guiding. Depending on the specific application wavelengths of these specialty fibers, various synthetic fused silica materials are available as core materials, which enable the production of specialty fiber preforms tailored to the application. The session begins with a brief introduction to the manufacturing process and typical applications of specialty

fibers, followed by an in-depth examination of the characterization of the preforms and the resulting fibers. Presented by Heraeus Conamic.

[Register Now](#)

All Things Photonics



**Chalcogenides Continued and PlanOpSim — With Lieven Penninck and Sam Rubin**

Lieven Penninck, founder of planar optics modeling software developer PlanOpSim, offers perspective on the meta-optics technology boom. Sam Rubin, CEO of LightPath Technologies, picks up the conversation from our previous episode on chalcogenide glasses, alternate optical materials, and applications — especially those in the infrared.

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Call for Articles

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines (*Photonics Spectra*, *BioPhotonics*, and *Vision Spectra*). Please submit an informal 100-word abstract to [editorial@Photonics.com](mailto:editorial@Photonics.com), or use our [online submission form](#).



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