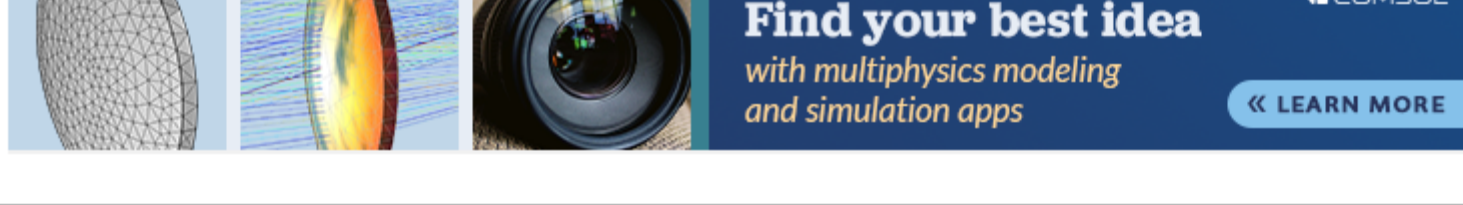




Weekly News



Washington is Investing in Quantum, SPIE Gathers Big Names for their Global Business Forum

Lawmakers in Washington will set aside nearly \$3B for quantum technology development. The U.S. and China continue to exchange blows in an ongoing trade dispute around photonics technologies. A \$56m grant will fast-track research into whole-eye transplants. Three companies will receive millions from CHIPS act contracts. And SPIE officials are sharing details on what guests can expect from their Global Business Forum next month. These stories and more on

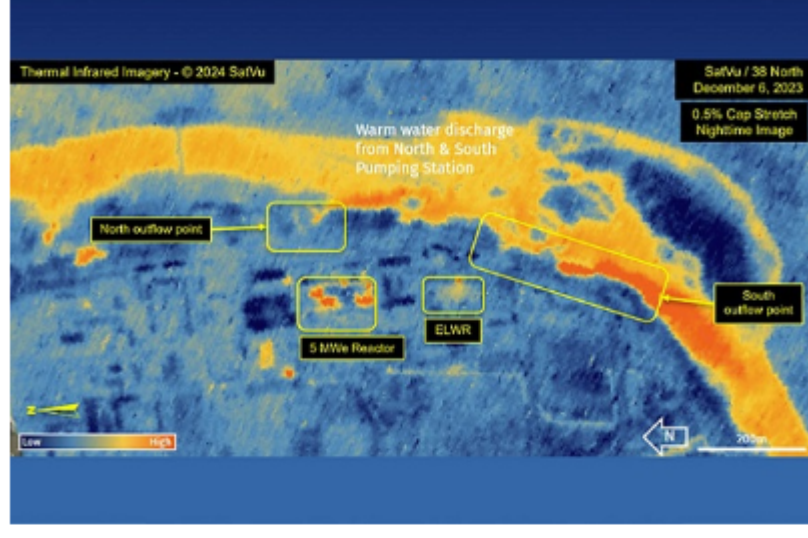
Photonics Spectra Now. Sponsored by scia Systems and TRIOPTICS.

[Watch Now](#)



AIM Photonics, Cornell to Lead DoD-Funded QUPICS Project

In collaboration with academic and commercial partners from across the Northeast, AIM Photonics and Cornell University's School of Electrical and Computer Engineering will lead research efforts on the Quantum Ultra-broadband Photonic Integrated Circuits and Systems (QUPICS) project through the Northeast Regional Defense Technology Hub. [Read Article](#)



SatVu Secures \$12.7M in Equity Funding

Earth observation startup SatVu has secured £20 million (~\$25.4 million) in strategic funding, comprising a £10 million equity round and an insurance payout. The funds will accelerate the company's build and launch of its HotSat-2 and HotSat-3 satellites, expected to ship out for launch in 2025.

[Read Article](#)

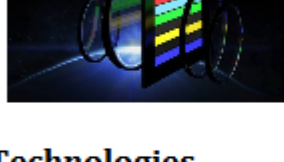


PIC Summit Europe 2024 Offers Hope — And Calls to Action

Earlier this fall, more than 700 industry leaders from the photonic chip and semiconductor industry convened in Eindhoven, Netherlands. The forum, PIC Summit Europe 2024, was one of the largest events to date focused strictly on the integrated photonics industry in Europe. [Read Article](#)



Featured Products & Services



Optical Filters For Optical Sensors

Iridian Spectral

Technologies

Iridian offers fluorescence filters designed to provide a high signal-to-noise ratio of the probes used in biomedical devices and medical instruments with laser or LED light sources such as cell analysis instruments, blood glucose detection devices and endoscope devices. These filters are capable of operation across single and multiple bands.

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Simplify Your Test Bench Power Requirements

Highland Technology Inc.

The P940 allows you to mix and match DC and 3-phase AC supplies, loads, and more in a single 3U chassis with a unified Ethernet interface with programmable monitor outputs.

[Visit Website](#)

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Looking for something else? Check the Photonics Marketplace.



More News

[Senate Introduces National Quantum Initiative Reauthorization Act](#)

[Coherent, Skywater, and X-Fab to Receive CHIPS Act Funding](#)

[Microscopy Method Supports 3D, Multitargeted Cell Imaging at Nanoscale](#)

[Quantum Dot Recycling Improves Sustainability of Lasers](#)

Webinars on Demand



Fused Silica Step Index Fibers: Advanced Preform and Fiber Metrology

This webinar discusses advanced preform and fiber measurement techniques for specialty fibers, with a particular focus on fibers produced using the POD (plasma outside 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 fibers with a brief introduction 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.

[Watch Now](#)



Design Considerations for Automated Manufacturing of Optical Assemblies

As the demand for efficient production of optical systems grows in industries ranging from aerospace and defense to medical imaging, the automation of optical assembly processes becomes increasingly critical. This webinar discusses strategies for optimizing optical assembly designs for automated manufacturing, providing an in-depth exploration of how the latest innovations in optical design, material selection, and component placement are transforming assembly methods. Discover the critical aspects that are essential for achieving precise alignments, minimizing cycle times, and ensuring exceptional performance outcomes in applications such as lidar systems, fiber optics, and advanced medical devices. Implementing these strategies in early-stage design planning lays the groundwork for optimized automated production, enhances alignment accuracy, and boosts final production yields.

[Watch Now](#)

All Things Photonics



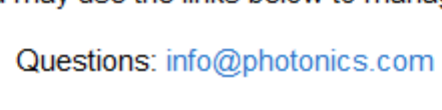
Electro-Optic Polymers (with Michael Lebby) and Miniaturized Particle Accelerators (with Stephen Milton)

Lightwave Logic CEO **Michael Lebby** discusses his company's electro-optic polymer technology, what it means for the data center and artificial intelligence industries, and his company's path to commercial success. **Stephen Milton**, Vice President of Accelerator Science at TAU Systems provides a look at his company's miniaturized particle accelerators, their expected uses, and what they could mean for the future of research.

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Call for Articles

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