



Integrated Photonics Newsletter



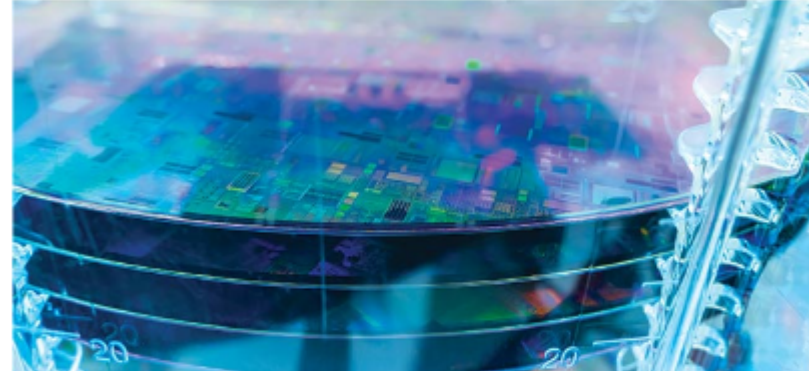
Automated Array Alignment

[Learn more](#)



Silicon Photonics Brings a Collaborative Lidar-Radar Relationship into View

For decades, end users and systems designers have valued radar technology for its reliability. Especially in adverse weather conditions in which sensors based on other modalities are apt to fail, radar is a dependable technique offering broad application potential. [Read Article](#)



Illuminating the Future: Navigating the Integrated Photonics Industry and Supply Chain

The integration of photonic devices at the wafer scale has emerged as a transformative force, offering a reliable and scalable pathway to implement complex photonic functions cost-effectively on a chip. While integrated photonics has long been synonymous with optical communications, today's

landscape presents unprecedented challenges and opportunities — including those that fall outside the bounds of traditional optical telecommunications and data communications. [Read Article](#)

Featured Video



Recapping the Biggest Announcements and Happenings from Photonics West 2025

Photonics Spectra Now is coming to you from the biggest event in our industry, Photonics West! We're speaking with officials from SPIE to learn more about what's new in this year's show, and to see what we can expect from next year. Sponsored by Nyfors Teknologi AB and LightPath Technologies.

[Watch Now](#)

More News

[Charting the Path Toward 1.6T and 3.2T Optical Module Solutions](#)

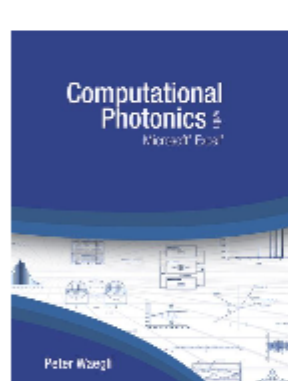
[EO Frequency Comb Design Broadens Bandwidth and Uses Less Power](#)

[Magneto-Optics Increases Photonic Processing Efficiency for AI](#)

[Laser-Based Artificial Neuron Surpasses its Analog](#)

[International Team Grows Electrically Pumped Laser on Silicon Wafer](#)

Featured Products & Services



Computational Photonics with Microsoft® Excel®

Photonics Media

This book shows how Excel — readily available on almost every computer —

can be used to study photonics problems and to design, analyze, and optimize photonics applications.

[Visit Website](#)

[Request Info](#)



High-Throughput Alignment System

PI (Physik Instrumente)

LP, Motion Control, Air Bearings, Piezo Mechanics

The F-141 is a cost-optimized automated photonics alignment system designed for fast and accurate test and assembly of arrays, components, and photonics integrated circuits on silicon photonics wafers. The F-141 is available with up to 6 degrees of freedom in single- and dual-sided configurations.

[Visit Website](#)

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Featured Summit



Photonics Spectra Integrated Photonics Summit

Wed, Feb 12, 2025 10:00A EST

The publishers of *Photonics Spectra* invite you to a summit on **Integrated Photonics**, a virtual event on **February 12**. Innovators from **PI (Physik Instrumente)**, **COMSOL**, **vario-optics**, **Luceda Photonics**, **VLC Photonics**, and **POET Technologies** discuss developments in integrated photonics, focusing on optical waveguide design and managing variability in PICs by bridging the gap between designers and foundries.

[Register Now](#)

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