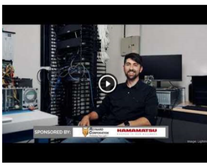
Thursday, October 24, 2024

PHOTONICS spectra

Weekly News



Lightmatter Lands Massive Funding Deal, Trumpf Sales Decline

Photonic computing company, Lightmatter, lands $400m in funding. Optica makes it official announcing their new CEO, Trumpf announces a decline in sales that could serve as an indicator of where the market is heading, Bruker forms a new Spatial Biology Division, and Leonardo DRS is firing drones out of the sky! All this on *Photonics Spectra* Now. Sponsored by Reynard Corporation and Hamamatsu Corporation.

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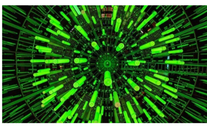
Optica Names Elizabeth Nolan CEO

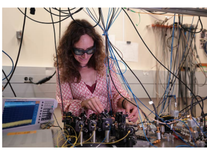
Optica has named its former deputy executive director and chief publishing officer, Elizabeth Nolan, CEO. Nolan had been serving as interim CEO of the organization following the departure of Elizabeth Rogan in August. Read Article



Technique Engineers More Efficient Layered Perovskites

North Carolina State University researchers have developed and demonstrated a technique that allows them to engineer a class of materials called layered hybrid perovskites down to the atomic level, which dictates how the materials convert electrical charge into light. The technique opens the door to engineering materials tailored for use in next-generation printed LEDs and lasers – and holds promise for engineering other materials for use in photovoltaic devices.

Read Article



Free-Form Dual Comb Technology Improves Gas Leak Detection

A smart dual-comb spectroscopy (DCS) technique, from the scientists at the National Institute of Standards and Technology, detects gases and other substances with more speed and sensitivity than traditional dual-comb methods. The new, free-form DCS method quickly identifies the most information-rich parts of a sample's fingerprint, making detection and measurement of substances more efficient.

Read Article

Featured Products & Services

High Performance IBS Coatings

Northrop Grumman Synoptics

Quasi-Rugate thin film designs are optimized for high-power laser applications for ultra-fast through CW applications across the wavelength range of 355 nm to 2200 nm. Each design has a unique refractive index profile specifically tuned to give optimal performance for our customer's applications. Quasi-Rugate design structures have the highest demonstrated Laser Damage Thresholds of any Ion Beam Sputtered films.

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Precision Polished Substrates

Ohara Corporation

Ohara is a leading manufacturer of double-side polished substrates with extremely low surface roughness (RMS ~2 Angstroms) and flatness (~1 μm) values. Sizes 25- to 360-mm diameter, thin (down to 50 μm) and ultra-clean. Fused silica, optical glass, etc.

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More News

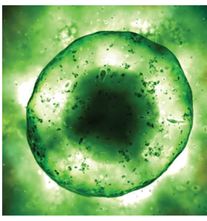
Photonic Computing Leader Lightmatter Raises $400M

MicroVision Boosts Financial Position with $75M Financing

Exosens to Acquire Night Vision Specialist NVLS

Mobile Optics Developer Lumenuity Emerges from Stealth with Qualcomm Collaboration

Latest Webinars



Multiplex Imaging: Camera, Lights, Optics, Action!

Tue, Oct 29, 2024 10:00 AM - 11:00 AM EDT

Multiplex imaging, either multicolor fluorescence or multispectral absorption and reflection imaging, is rapidly gaining popularity in the life sciences and medical arenas. Being able to image samples at a variety of wavelengths in live or fixed samples provides a depth of information that was never possible to attain with conventional microscopy. From deeper tissue penetration to enhanced surgical guidance and improved disease detection, multiplex imaging enhances medical diagnostics with noninvasive, detailed, live insights into pathological and physiological states of tissue for better patient outcomes. This webinar discusses the options and requirements for performing multiplex imaging from the illumination to the detection and the optics in between to navigate the light to and from the sample. Presented by Excelitas Technologies Corp.

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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, or use our online submission form.