Thursday, January 23, 2025

PHOTONICS spectra

Weekly News

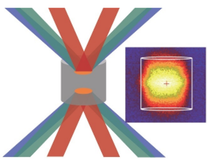
GlobalFoundries' Packaging and Photonics Center in N.Y., Metal Foam Enables Brightest X-Ray Source

GlobalFoundries announces plans to create an advance packaging and photonics center at its facility in Malta, NY. In acquisition news, Headwall acquires EVK and Praevium becomes a division of Thorlabs. The European Union approves Synopsys' plans to purchase Ansys, under certain conditions. The DOE selects six projects to receive funding for the development of fusion energy. And a team at the Lawrence Livermore National Laboratory is using metal foam to enable the world's brightest X-ray source. Sponsored by Nyfors Teknologi AB and LightPath Technologies.

Watch Now

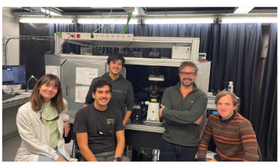
Quantinuum to Build R&D Center in New Mexico

Integrated quantum computing company Quantinuum plans to open a location in New Mexico to support collaborative research efforts that advance the photonics technologies underpinning the company's product development. The facility is expected to open later this year. Read Article



New Metal Foams Enable World's Brightest X-Ray Source

By combining the National Ignition Facility (NIF)'s X-ray laser and ultralight metal foams, researchers at Lawrence Livermore National Laboratory (LLNL) have produced the brightest X-ray source to date — about twice as bright as previous solid metal versions. Read Article



Time-Shared Optical Tweezers Simplify Study of Viscoelasticity and Aging

A technique to study the link between physiological aging and disease, from the Institute of Photonic Sciences (ICFO), uses single-laser-based optical tweezers to measure the viscoelasticity of biological materials as they mature. Read Article

Featured Products & Services

HASTILITE MORPHUS SERIES

Universal Photonics Inc.

This cutting-edge series leverages engineered diamonds to improve removal rates by 50-100%, while simultaneously achieving impeccable surface finishes and offering exceptional cleanability. Available in a variety of diamond sizes.

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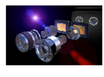

ImSym – Imaging System Simulator

Synopsys Inc., Optical Solutions Group

ImSym – Imaging System Simulator is an industry-first virtual prototyping platform for imaging systems, lenses, sensors, and image signal processors. With proven accuracy powered by CODE V and LightTools software, ImSym reduces the need for physical prototypes and enhances team collaboration.

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