Thursday, December 16, 2021

This Week in PHOTONICS

PHOTONICS MEDIA photonics.com

.: Top Stories

SPIE and Photonics Media Announce Finalists for 2022 Prism Awards

Industry giants and emerging challengers will be honored at the Prism Awards in a ceremony at SPIE Photonics West. The annual event, now in its 14th year, recognizes industrial innovation in photonics in multiple categories. For the consideration of the 2022 Prism Awards, SPIE, the international society for optics and photonics, and media partner Photonics Media received 120 applications from 18 countries.

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Lasers Shape Material Properties Without Generating Excess Heat

Researchers at Caltech have reported success using lasers to dramatically sculpt the properties of materials without the production of excess heat, which can damage the materials. The findings give researchers the potential ability to use light to artificially create materials, such as exotic quantum magnets.

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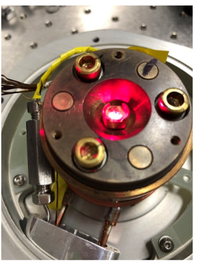

Certificate Based on Solactive EPIC Core Photonics Index to List on Frankfurt Stock Exchange

In collaboration with C8 Technologies, Circlan Capital Management has launched a "certificate" based on the Solactive European Photonics Industry Consortium (EPIC) Core Photonics Index. The certificate will be listed on the Frankfurt Stock Exchange for retail and institutional investors.

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.: Featured Products

Spotlight 400 FT-IR Imaging System

PerkinElmer

Spotlight™ IR microscope systems are designed to meet the challenges of an expanding laboratory by generating high-quality, reproducible data from a variety of sample types. The Spotlight 400 FT-IR Imaging System combines high sensitivity and rapid imaging with ease-of-use. The ability to image large sample areas...

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Wide AOI WGF™ PBS

Asahi Kasei Corp.

WGFTM Polarizing Beam Splitter (PBS) is made with WGFTTM, the world's first film-based wire grid polarizer. WGFTM shows a high polarization separation performance in a wide range of wavelength not only VIS but IR or longer. The features are stability of the optical performance even at wide angle of incidence (AOI) and this...

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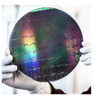
.: Upcoming Webinars



Si/SiN-Integrated Photonics for Lidar, Quantum, and Sensing

Wed, Jan 19, 2022 10:00 AM - 11:00 AM EST

In this webinar, Amin Abbasi, business development manager at imec, presents imec's recent collaborative progress on using integrated photonics for emerging applications such as on-chip lidar, quantum computing, and sensing. The added value of using integrated photonics-based solutions is a higher level of integration capacity, compactness, and scalability. Presented by imec.

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.: All Things Photonics

The electromagnetic environment in which today's soldiers operate is the focus of this week's episode, which features our discussion with physicist *Kevin Cox* from DEVCOM Army Research Laboratory. The advent of quantum sensors — and the applications that emerge in our conversation — range from magnetometry and accelerometry to the interferometric detection of celestial objects and chip-scale atomic timekeeping.

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