

This Week in PHOTONICS



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APP NOTE: LAMBDA 1050+ SPECTROMETER
Measure Absorbance & Refractive Index of Thin Films with UV/Vis/NIR



.: Top Stories

The Photonics Spectra Conference

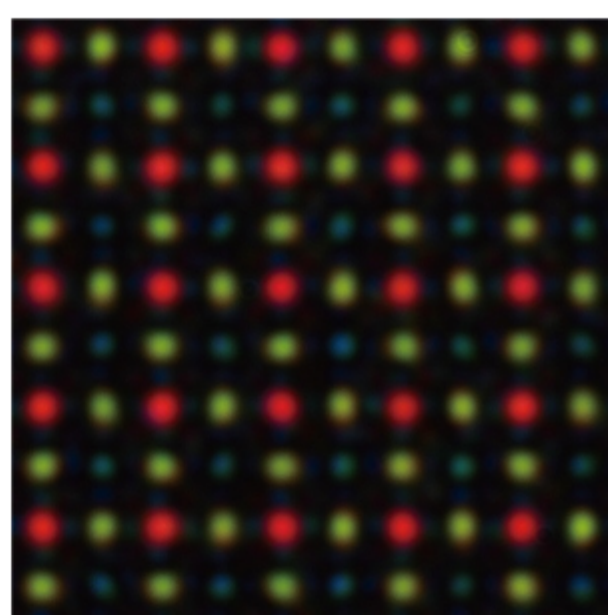
Next month, Photonics Media will host its second annual Photonics Spectra Conference. The virtual event Jan. 10-13 will comprise four technology tracks — Lasers, Optics, Sensors and Detectors, and Imaging — each assigned to its own day.



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Color-Sorting Metalenses Boost Imaging Performance

Pixel-scale metasurface lenses can be used to make imaging sensors roughly three times more sensitive than those currently in use, according to research from NTT Device Technology Labs. The sensor architecture introduced by the team could enable digital cameras that can image at higher speeds, or in conditions with less light.



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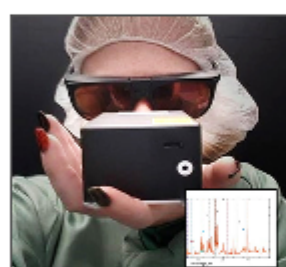
Navy Tests Solid-State Laser Weapon in Gulf of Aden

The U.S. Navy has reported that the USS Portland conducted a high-energy laser weapon system demonstration on Dec. 14 in the Gulf of Aden. During the demonstration, the Solid-State Laser, Technology Maturation Laser Weapons System Demonstrator (LWSD) Mark 2 MOD 0 engaged a static surface training target. The Portland previously tested the system in May 2020 when it successfully disabled a small unmanned aerial system while operating in the Pacific Ocean.



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New wavelength: 0.25 mJ/pulse at 532 nm

HUBNER Photonics
 HÜBNER Photonics is proud to introduce a new wavelength in the Cobolt Tor™ Series of a high-performance, compact, air-cooled, Q-switched lasers. The Cobolt Tor™ XE 532 nm delivers 0.25 mJ per pulse at up to 1 kHz repetition rate in a compact laser head which contains all drive electronics.

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pco.edge 26 CLHS: True Global Shutter sCMOS Camera

PCO-TECH Inc.
 pco.edge 26 CLHS, another new sCMOS camera is coming onto the market. It combines the image quality of a 26 MPixel image sensor and operates at minimum read noise and dark current.

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Omega Optical Holdings Acquires Two Companies [Read Article](#)

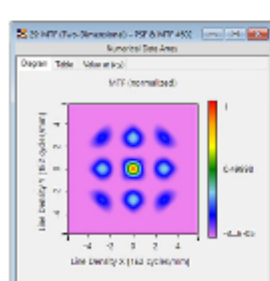
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.: Upcoming Webinars

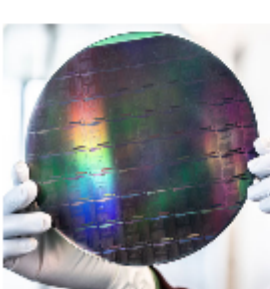


Next-Generation Optics Software: Trends in Technology

Tue, Jan 18, 2022 10:00 AM - 11:00 AM EST

Frank Wyrowski of LightTrans International introduces an alternative approach to optical systems modeling in this webinar: identifying and applying the generalization of ray optics inside the framework of physical optics software. He presents modeling software that results from answering this question, showcasing how physical optics modeling can be made more practical and useful for advancing technologies such as AR/MR devices. Sponsored by LightTrans International GmbH.

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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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