Thursday, February 18, 2021

This Week in PHOTONICS
PHOTONICS MEDIA photonics.com

.: Top Stories

Imaging Without Limit, on Demand
A team at Columbia University has introduced a way to program a layered crystal in such a way that it is able to open doors to imaging capabilities beyond common limits, on demand. The technique exerts control over nanolight — light that is able to access the nanoscale — providing insight into the field of optical quantum information processing.

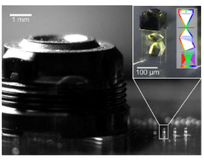
Read Article

Optical Coating Simultaneously Reflects, Transmits Same Wavelength
A multi-institutional team led by professor Chunlei Guo from the University of Rochester's Institute of Optics has developed an optical coating capable of simultaneously reflecting and transmitting the same wavelength. The new class of optical coatings has been dubbed Fano Resonance Optical Coatings (FROCs). The advance could significantly improve the efficiency of devices using hybrid thermal-electric power generation as a solar energy option.

Read Article

3D-Printing Method Enables Microscale Spectrometer
Researchers from the University of Stuttgart have developed a microscale spectrometer that can be fabricated through femtosecond direct laser writing. The angle-insensitive 3D-printed miniature spectrometer has a direct separated spatial-spectral response, and a volume of less than 100 × 100 × 300 µm3.

Read Article



.: Featured Products

Optical Biomedical Imaging

Photonics Media
At last, a reference work has been compiled that offers in one place a broad survey of technologies, applications and markets for optical biomedical imaging, as only Photonics Media could produce it. This collection is a practical resource for those engaged in the research and development of relevant technologies...

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Optical Filters for Covid Testing

Delta Optical Thin Film A/S
Point of Care (PoC) instruments have various uses in medical diagnostics, including the detection of infectious diseases such as Covid-19. Our optical filters are all designed for the next generation of PoC instruments and they have been used in clinical applications in the biotech, biomedical, and drug discovery sectors.

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MKS Makes Bid to Acquire Coherent Read Article

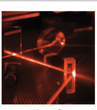
II-VI Joins Lumentum and MKS Instruments in Bidding War for Coherent; II-VI Offers $260 per Share Read Article

LASER World of PHOTONICS Moved to April 2022 Read Article

CLEO 2021 Moves to Virtual Format, Dates Unchanged Read Article

Optical Society Names Recipients of 2021 OSA Awards Read Article

.: Upcoming Webinars



Choosing the Right Fused Silica for Applications in the Near-Infrared (NIR)
Tue, Mar 2, 2021 1:00 PM - 2:00 PM EST
The range of applications in the NIR spectrum is expanding. Many of these are laser based. Finding the most suitable fused silica for a particular application can be challenging. In this webinar with Todd Jaeger, Ph.D., Head of Sales - Optics at Heraeus Conamic, you will learn about what material properties effect performance, what characteristics are key for your application and how to balance price and performance. Presented by Heraeus Conamic (Heraeus Quartz North America).

Register Now

.: All Things Photonics

The latest in quantum computing and quantum optics is our focus, as Dirk Englund from MIT's Quantum Photonics Laboratory shares his insights on the latest in materials processing, PICS, photonics entrepreneurship, and more. UCLA's Aydogan Ozcan talks about his latest work, "Terahertz pulse shaping using diffractive surfaces," in Part One of a two-part segment.

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