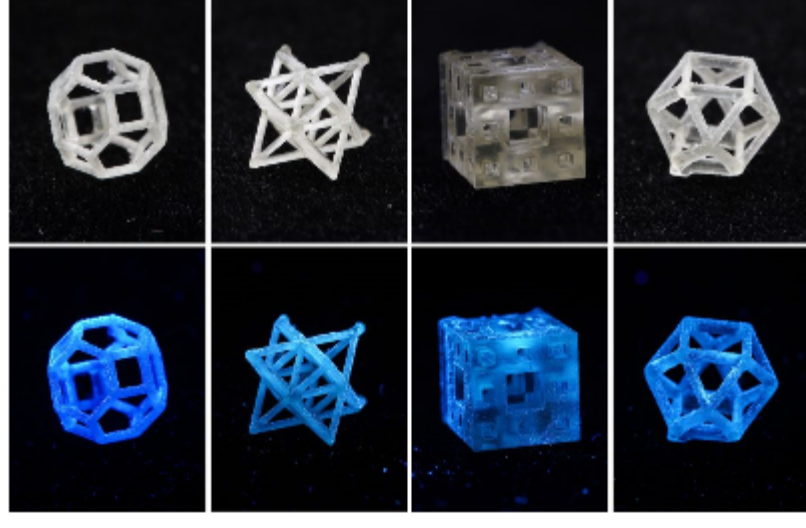


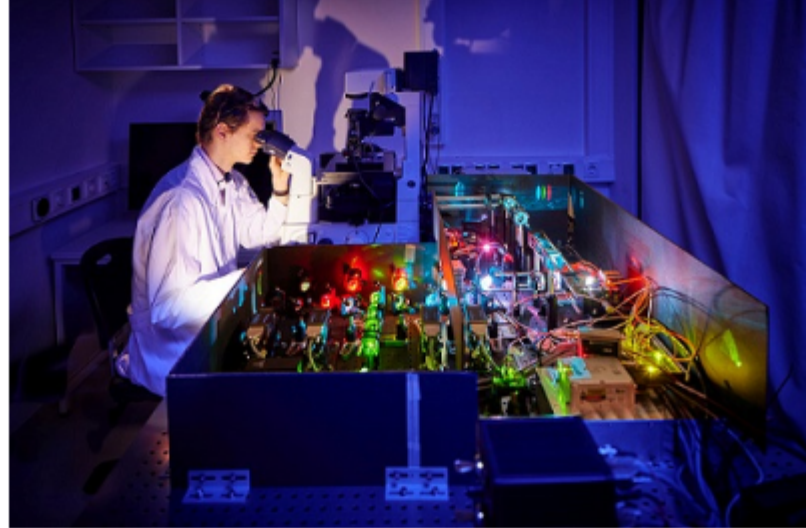


Weekly News



**Semiconductor Ink Offers High-Efficiency, Sustainable Emission for OLEDs**

A new, 3D-printable material that is a highly efficient emitter could lead to cheaper, more sustainable manufacturing processes for OLED devices. The material, called supramolecular ink, demonstrated the ability to convert nearly all absorbed light into visible light during the emission process. [Read Article](#)



**High-Throughput Imaging Reveals Multi-Particle Cellular Activity**

A new software program can map the movements of multiple particles within cells simultaneously, providing insight into cellular functions that are difficult — and sometimes impossible — to investigate using single-cell tracking methods. The software, developed by researchers at the University of Bonn and Wageningen University and Research, speeds the high-throughput process used to observe

molecules in cells, enabling fivefold shorter measurement times than single-particle tracking, according to the researchers. [Read Article](#)



**SPIE Names 2024 Prism Award Winners**

SPIE, the international society for optics and photonics, recognized the top innovations in new optics and photonics products at the 2024 Prism Awards held at Photonics West on Jan. 31. The gala event marked the Prism Awards' 16th anniversary. [Read Article](#)

Featured Products & Services

**Notch Filters**  
Deposition Sciences Inc. (DSI)  
DSI designs and manufactures notch and bandpass filters, beamsplitters, ARs and absorption coatings for use in the VIS to the MWIR wavelength regions, customized to specific requirements. Using photolithography, we can also pattern these coatings with feature sizes as small as 20 μm to define apertures, segments and/or fiducials.

**Custom WL Selective Optical Filters**  
Iridian Spectral Technologies  
Iridian Spectral Technologies designs and manufactures wavelength selective optical filter solutions from the UV to LWIR providing "more signal, less background", customized to meet the technical and commercial needs of OEM customers in applications such as communications, spectroscopy, bio-analysis, and remote sensing.

More News

[Retinal OCT and Genetics Identify Links Between Ocular and Systemic Health](#)

[TRAQC Awarded Top Prize at 2024 SPIE Startup Challenge](#)

[NASA to Support ESA's Efforts on Gravitation Wave Observatory](#)

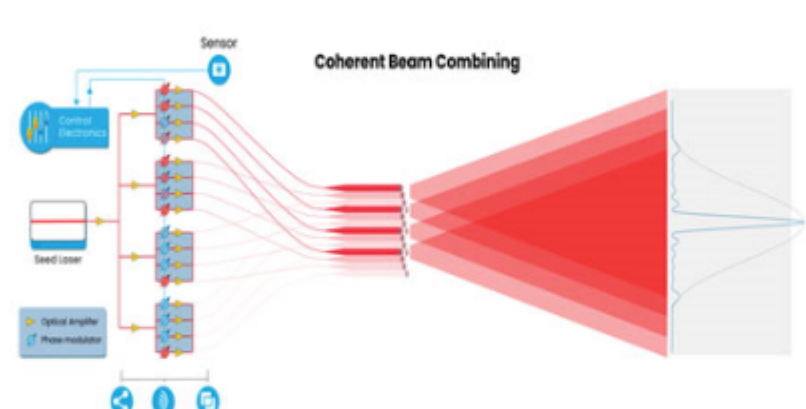
[Industry Partnership to Develop High-Performance Diode Laser Stacks](#)

Latest Webinars

**From Theory to Practice: Coherent Beam Combining's Impact on Laser Technology**

**Thu, Feb 15, 2024 10:00 AM - 11:00 AM EST**  
This presentation shines a spotlight on the transformative laser technology known as coherent beam combining (CBC). While this technology has been known for decades, it only recently has been introduced into commercial applications. During this webinar, Eyal Shekel delves into the fundamental principles of CBC and explores its versatile configurations, which encompass filled aperture and optical phased array techniques. He provides valuable insights into the latest developments in this field for laser technology enthusiasts or engineers seeking to harness the power of CBC. Presented by Civan Lasers.

[Register Now](#)



**Quantum Efficiency Measurements: Fundamentals for Solar Cell Research, Part 2**

**Wed, Feb 21, 2024 1:00 PM - 2:00 PM EST**  
In part two of this series, representatives from MKS Newport present an in-depth discussion on equipment and test configurations used for cutting-edge cell development such as perovskites and multi-junction cells. These configurations and topics include device interfacing, light generation techniques, and signal detection. They discuss specific requirements that are needed to take these measurements as well as the key challenges researchers run into during experimentation. In addition to quantum efficiency measurements, they also review I-V curve generation and analysis for solar module level parameter testing. Join MKS Newport experts to learn and dig into the world of solar cell design measurements and how to set up a lab

for success. Presented by MKS Newport.

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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](mailto:editorial@Photonics.com), or use our [online submission form](#).



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