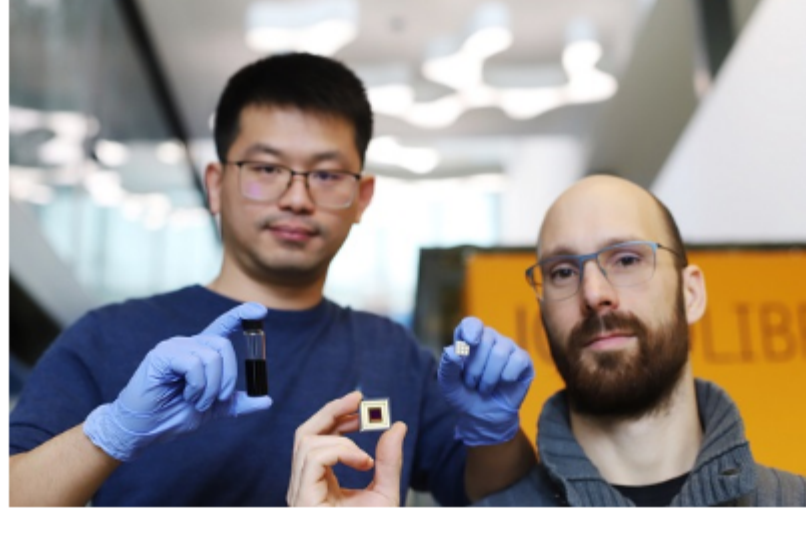


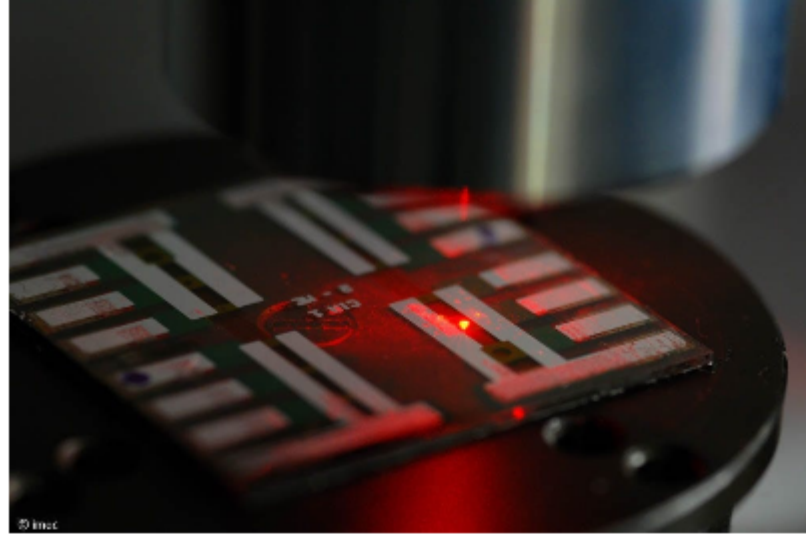


Weekly News



Method Creates Quantum Dots for Consumer CMOS SWIR Image Sensors

Researchers from ICFO and ICFO computer vision spinout Qurv have fabricated a high-performance shortwave-infrared image sensor based on nontoxic colloidal quantum dots (CQDs). In their study, the team reports on a method for synthesizing functional high-quality nontoxic CQDs integrable with CMOS technology. [Read Article](#)



Brighter Perovskite LEDs Pave Way for Thin-Film Diode Lasers

Researchers at imec developed perovskite-based LEDs capable of supporting stimulated emission of light. The transparent perovskite LEDs sit on a sapphire substrate with a scaled emission area for injection of ultrahigh current densities. [Read Article](#)



SPIE Names 2024 Fellows Class

SPIE, the international society for optics and photonics, has named 47 fellows of the society, comprising the organization's class of 2024. Fellows are members of SPIE who have made significant scientific and technical contributions in the multidisciplinary fields of optics, photonics, and imaging. [Read Article](#)

Featured Products & Services

CELESTA Light Engine
Lumencor Inc. CELESTA Light Engine houses seven lasers in a turnkey illuminator for fluorescence confocal spinning disk microscopy and spatially resolved transcriptomics. 1000 mW/color from the end of an optical fiber is powerful, intense, quiet, reproducible and consistent. High-end imaging and OEM instrumentation are well supported. Ask about customization.

New Lasers for Life Science and Quantum Technologies
HÜBNER Photonics GmbH
HÜBNER Photonics is proud to announce an expansion of the Cobolt 06-01 Series of plug and play modulated lasers. The expansion includes twelve additional wavelengths covering 405 nm – 975 nm, as well as higher powers on several existing wavelengths: 405 nm with 365 mW, 445 nm with 400 mW, 457 nm with 400 mW, and 515 nm with 150 mW.

[Visit Website](#)

[Request Info](#)

[Visit Website](#)

[Request Info](#)

OFC Register Today
Register by 23 February 2024 for reduced rates.
ofcconference.org/registration

WEBINARS on Demand
• In-Depth Presentations
• Q&As Featuring Top Industry Experts
www.photonics.com/webinars

More News

- [Optical-Plasmonic SERS Platform Clocks Molecular Systems](#)
- [Targeted Spectroscopy Can Improve Treatment of Eye Disease](#)
- [Photodynamic Boosts Antibiotics in Their Fight Against Drug-Resistant Bacteria](#)
- [Trends to Watch in Photonics in 2024](#)

Latest Webinars

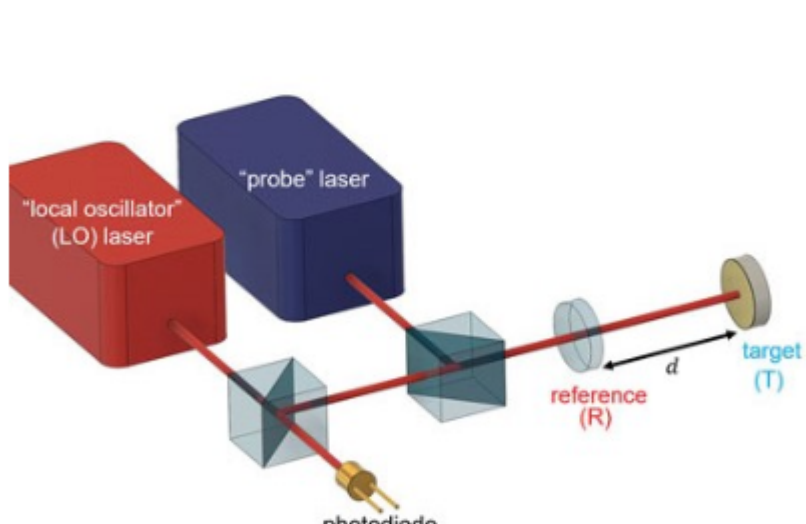


Laser Application for Display Manufacturing

Tue, Jan 16, 2024 10:00 AM - 11:00 AM EST
Displays are windows into the connected world as nearly every consumer device today has a display and a smartphone without one is impossible to imagine. To produce state-of-the-art displays lasers must be utilized, especially to create high-end and high-resolution designs. Dr. Oliver Haupt from Coherent focuses on OLED displays for smart phones as well as the adoption of OLED displays in the IT sector. He also addresses the incremental market opportunity for MicroLED displays from the very small range in AR to the very large 4K TV market. Finally, he explains how over the last few years more and more UV short wavelengths lasers have been required and implemented in production due to the display material combinations, increase of active display areas, and pixel sizes down to the micron level.

Sponsored by LightMachinery Inc.

[Register Now](#)



Dual-Comb Ranging for Industrial Applications

Tue, Feb 13, 2024 10:00 AM - 11:00 AM EST
Researchers developed a simplified variation of the dual-comb ranging (DCR) technique: two-photon dual-comb LiDAR, which allows data to be collected using time-tagging electronics. The switch from high-bandwidth digitization to time-tagging represents a significant reduction in the data burden associated with DCR. Despite the simplifications made, these demonstrations show comparable measurement precision to the conventional technique. In this webinar, Hollie Wright, Ph.D., discusses the technique and explains the many advantages it offers compared to conventional DCR. She shares results from various demonstrations including multi-target ranging and target pose sensing and shares as-yet unpublished results from demonstrations with non-cooperative targets. Finally, Wright discusses the outlook for the technique and future work plans.

[Register Now](#)

All Things Photonics



Integrated Photonics luminary **Joyce Poon** caps Season 8 of "All Things Photonics" with a discussion and status update on the ascent of integrated photonics. From sustained high-level R&D to commercial prospects, 2024 is poised to be the year of the PIC. Poon offers insight into optical computing, integrated sensing, and datacenter AI.

[Listen Now](#)

Call for Articles
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, or use our [online submission form](#).



We respect your time and privacy. You are receiving this email because you are a Photonics Media subscriber, and/or a member of our website, Photonics.com. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949
© 1996 - 2024 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.

