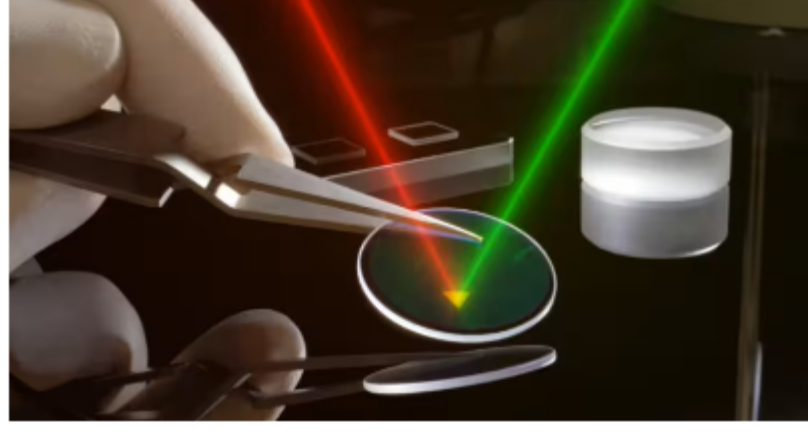




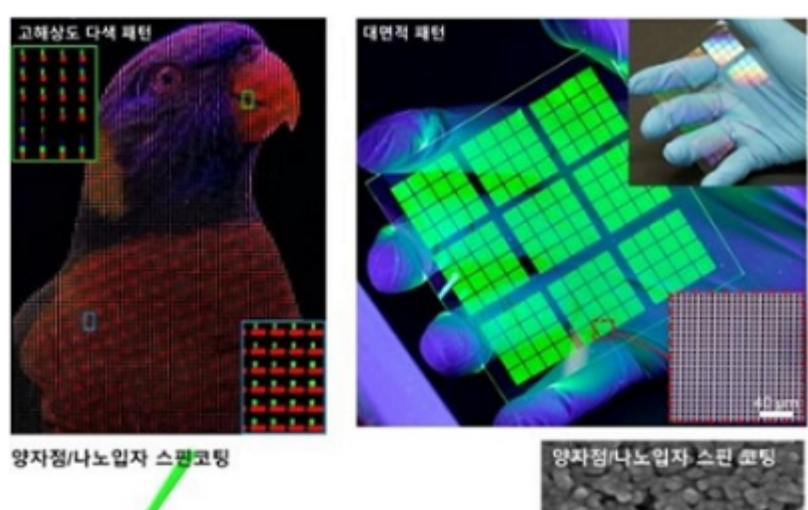
Weekly News



Micron-Scale Entangled Photon Source Could Open Mobile Applications

An international team of researchers led by the Friedrich Schiller University Jena has proposed a method to generate entangled photon pairs using 2D materials. The advance could open the door to quantum encryption on mobile devices.

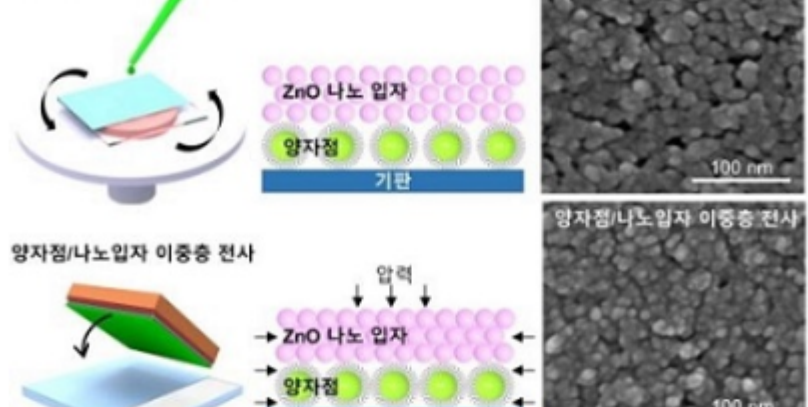
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Double-Layer Printing Delivers QDs for Ultrahigh-Definition Displays

Researchers at Daegu Gyeongbuk Institute of Science and Technology, Ulsan National Institute of Science and Technology, and the Institute for Basic Science developed a technique to create ultrahigh-definition screens for emerging display technologies. The researchers used the technique, called double-layer dry transfer printing, to build highly efficient LEDs with quantum dots.

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Photonics Spectra Magazine Adds Four Industry Leaders to Editorial Advisory Board

Photonics Spectra, the leading publication dedicated to the photonics industry, is pleased to announce the appointment of four distinguished professionals to its Editorial Advisory Board. These appointments reflect the magazine's commitment to maintaining the highest standards of expertise and insight in the field of photonics.

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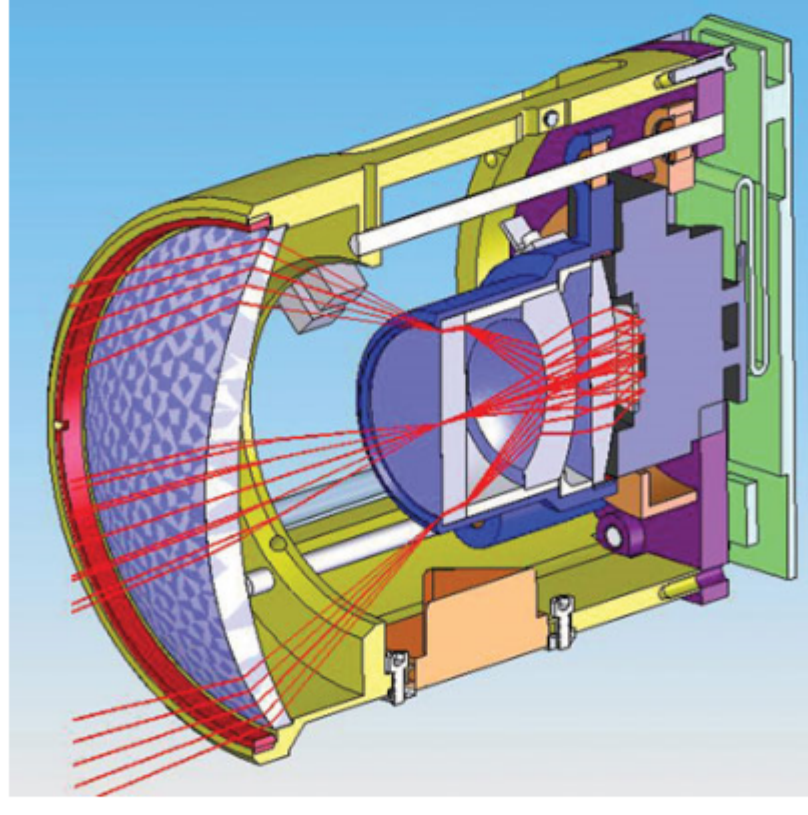
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- [Fujitsu to Open European APN Lab](#)

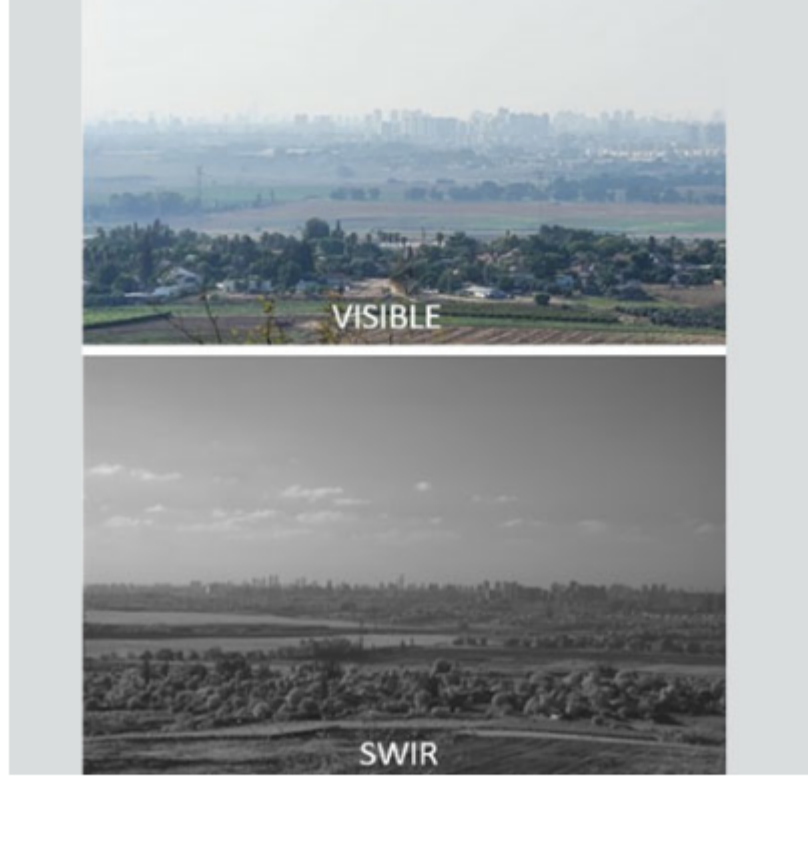
Latest Webinars



Lights! Camera! Optics! Tricks of the Trade for Developing Front Ends for Machine Vision Systems

Tue, Sep 10, 2024 1:00 PM - 2:00 PM EDT
 In this webinar, Andrew Bodkin shares insights into developing imaging systems that both experienced engineers and novice developers will find valuable. Over his lifelong career working with cameras, Bodkin has developed an intuitive understanding of how the elements of imaging systems interact. He shares techniques and physical interpretations to clarify the understanding of how these system elements function. This framework is invaluable in simplifying the design and build process of the optical front end of machine vision.

[Register Now](#)



SWIR and NIR Disruptive Zoom Lens for Challenging Environments: Air, Land, and Maritime

Thu, Sep 12, 2024 9:00 AM - 10:00 AM EDT
 Peter Kunert of MKS Ophir IR Optics explores the advantages of SWIR lenses and how they play a pivotal role in air, land, and maritime imaging, offering unparalleled visibility even in challenging conditions, such as haze, smoke, and fog. Incorporating SWIR and NIR into electro-optical (EO) systems significantly enhances image clarity and performance. SWIR lenses excel in long-range daytime observation, effective glass transmission, and precise laser spot detection for designators, making them an ideal solution for defense and homeland security applications. This presentation shares how SWIR technology can transform an EO system and improve operational efficiency. Presented by MKS Ophir.

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



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