

Asia-Pacific PHOTONICS



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Asia-Pacific News

\$10 Million Luminate NY Initiative Welcomes Cohort II

New York State's Luminate NY accelerator held its Lightning Awards at the Dryden Theatre at the George Eastman House in Rochester, going from 21 chosen competing companies to 10 finalists. Ten startups receive \$100,000 investments from Luminate NY. Courtesy of Ve Jay Brolyd. The optics, photonics, and imaging...



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Scientists Demonstrate Topologically Protected Biphoton States Needed for Quantum Logic Gates

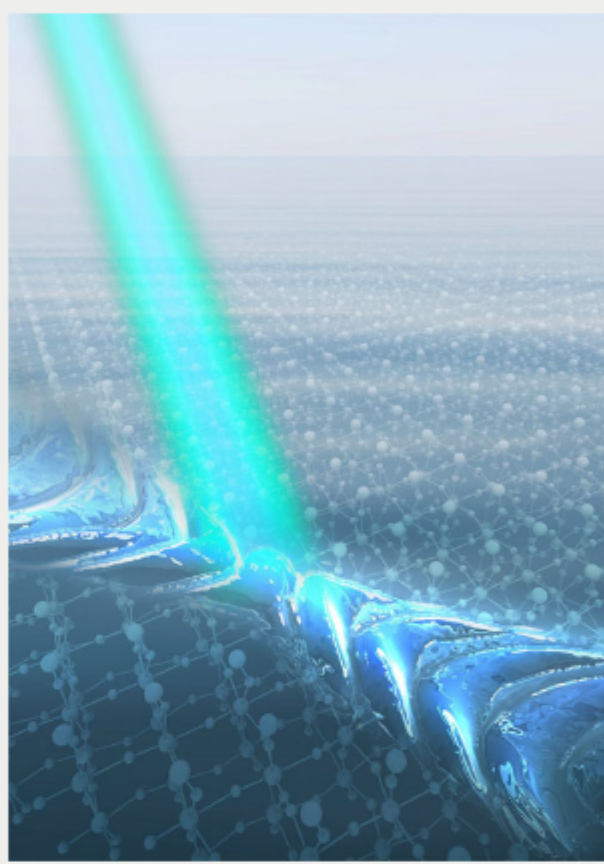
An optical circuit based on the principles of topology could provide protection for propagation of biphoton states, which will be needed for quantum computing. Researchers at the University of Sydney have experimentally demonstrated topological protection of biphoton states, and have shown that topological design could provide the robustness required for quantum optical circuitry.



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Directional Character of Nanolight Could Improve Efficiency of Nanophotonic Devices

Squeezed light in the nanoscale ("nanolight") was found to propagate only in specific directions along thin slabs of a natural anisotropic 2D material, molybdenum trioxide. The current work is the beginning of a series of studies that will be focused on directional control and manipulation of light using ultralow-loss polaritons at the nanoscale.



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Featured Products

PM Coupler Arrays



Evanescent Optics Inc.

Splice-free cascaded PM couplers can be manufactured as 1 X N and 2 X N coupler arrays with any output ratios and at wavelengths from 0.45um to 2.04um. PER is better than -24dB per coupler, with loss typically less than 0.1dB per coupler. The program "Cascade" models the output characteristics and can be downloaded from the company's website.

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pco.edge 4.2 bi: Back Illuminated sCMOS

PCO-TECH Inc.

Innovations aren't always about having that one big new idea. Unique technology also comes from evolution, combining existing and new technology. When PCO's tried and trusted pco.edge series pools forces with modern back illuminated (bi) 16 bit sCMOS sensor technology, we call the result: pco.edge 4.2 bi.

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LIGHT: Introduction to Optics and Photonics, Second Edition

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Offering a comprehensive treatment of the subject as well as key applications, and employing minimal math, LIGHT: Introduction to Optics and Photonics was written with readers in mind. This textbook is for beginning students of optics and photonics in high school, community college, and university STEM courses.

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Optical Centration Measurement

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The OptiCentric® product group sets the standard worldwide in optical centration measurement of lenses and optical systems in the UV, VIS and IR range. With extremely high centration measurement accuracy and their intuitive, holistic operation, OptiCentric® systems have become indispensable in modern optical engineering.

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Fully Flexible, Foldable Smartphone Is Now a Reality

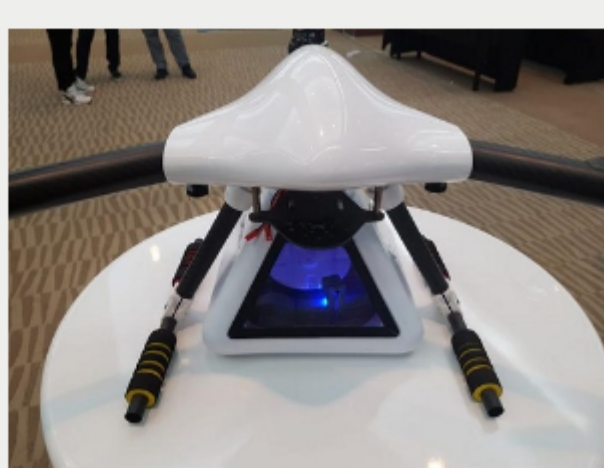
California-based startup company Royole Corp., a manufacturer of next-generation human-machine interface technologies and products, has launched the world's first commercially available foldable smartphone. The Royole FlexPai is a combination of a mobile phone and a tablet with a flexible screen. The unit can be used...



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UNIST Startup Wins Grand Prize in Defense Competition

LOAD, a student-led startup affiliated with the Ulsan National Institute of Science and Technology (UNIST), has received the \$13,000 grand prize at the Defense Acquisition Program Administration's (DAPA's) 2018 Startup Competition. Through the analysis device installed on the lower part of the drone, one can...



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Intercon 1 to Manufacture Discontinued Northwire Machine Vision Cable

Nortech Systems Inc., a provider of full-service electronics manufacturing services, has announced that Intercon 1 will take over the manufacturing of discontinued machine vision cable assemblies for Northwire Inc. "We're pleased to expand our customer base by offering Northwire's customers responsive..."

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Cosemi Acquires Optella

Cosemi Technologies Inc., a developer of high-speed connectivity solutions, announced the acquisition of Optella Co., a provider of optical connectivity for long-reach optical interconnect applications. Currently focused on low-cost, plug-and-play, short-reach optical communication interconnects for video and data...

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