Thursday, August 30, 2018

This Week In PHOTONICS

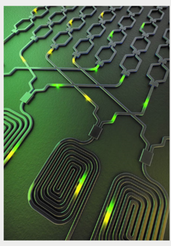
PHOTONICS MEDIA

Top Stories

Light from Ancient Quasars Helps Confirm Quantum Mechanics of Entanglement
An international research team has extended the case for quantum entanglement, further limiting the possibility that a freedom-of-choice loophole might reveal that such correlations could have a classical explanation.

Read Article

A Silicon Chip Is Engineered for Quantum Information Processing
Researchers have demonstrated the ability to control two qubits of information within a single silicon chip. This programmable two-qubit quantum processor could be used as a tool to perform quantum information experiments and could facilitate the use of silicon photonics for future photonic quantum processors.



Read Article

Computational Imaging Enables a Camera to Use a Window as a Lens
An engineering team has found a way to use a regular pane of glass or any see-through window as a camera lens. The technique uses a computer algorithm, instead of a lens, to identify, decode, and focus the image.

Read Article

Featured Products

Dark Mirror Coatings

Deposition Sciences Inc. (DSI)
Dark mirror coatings absorb incident light, rather than reflecting or transmitting it. Thus, they simultaneously exhibit both the low transmittance of a metal blocking filter and the low reflectance of an antireflection coating. Dark mirrors are typically used to define the aperture of an optical system where control of stray light...

Visit Website | Request Info

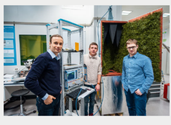
Broadband Wire-Grid Polarizers

Moxtek Inc.
Moxtek offers a variety of wire-grid polarizers and polarizing beamsplitters designed for demanding applications. Our polarizers are made from heat tolerant inorganic materials that enable exposure to temperatures that degrade film based polarizers. Our polarizers are designed for narrow and broadband UV-VIS-IR wavelengths.

Visit Website | Request Info

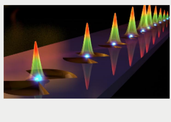
More News

Scientists Model Metamaterial for Cloaking Nanosensors
A new metamaterial could improve the accuracy of nanosensors in optics and biomedicine by cloaking them from external radiation. Researchers modeled and prototyped the metamaterial for making nanoscale objects invisible in the uncovered THz frequency range.



Read Article

Bowtie Photonic Crystal Allows Extreme Light Concentration with Low Loss
A new nanostructure that is part bowtie and part funnel has been shown to focus and conduct light powerfully and nearly indefinitely, as measured by a scanning near-field optical microscope. The bow-tie photonic structure allows light to be squeezed into very small volumes, which yield very high levels of energy.



Read Article

More Headlines

Vision Engineering Celebrates 60th Anniversary Read Article

Temi Selects Newsight Image Sensor for Personal Robot Read Article

BioTek Granted US Patent for Autofocus in Microplate Reader, Imaging Software Read Article

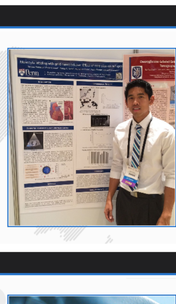
Monocrystal Awarded Russian Industrial Award Read Article

Team Demonstrates Multiple DOF, Solid-State Quantum Memory Read Article

Industry Events

World Molecular Imaging Congress 2018
September 12-15, 2018 - Washington State Convention Center - Seattle United States
Photonics Media Booth: 111
WMIC 2018 will bring together thousands of people from across the entire molecular imaging field. The theme for this year's congress is Molecular Imaging – Visualizing Biology to Improve Medicine. 2018 Educational Session topics will include Radiomics; Chemical Biology; Magnetic Particle Imaging; Mitochondrial Metabolism and Imaging; Chemogenetics; and How to be the CEO, CFO, and COO of Your Research. The congress will offer full-day scientific sessions, industry sessions, and spotlight sessions on topics selected to address current knowledge gaps.

More Info



Webinars

How to Accelerate Your Optics, Photonics, and Imaging Startup with Luminate
Thu, Sep 6, 2018 3:00 PM - 4:00 PM EDT
In this webinar you will learn about Luminate, the only international startup accelerator focused solely on next-generation optics, photonics, and imaging (OPI). If you're an entrepreneur who is working on solving problems in these fields, you may be eligible to participate in Luminate. The webinar will cover the criteria for participation and the selection process, as well as the technical, engineering, and support services that Luminate offers to help you successfully launch a business.

Register Now

CALL FOR ARTICLES!
Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines (*Photonics Spectra, Industrial Photonics, BioPhotonics* and *EuroPhotonics).* Please submit an informal 100-word abstract to Managing Editor Michael Wheeler at Michael.Wheeler@Photonics.com, or use our online submission form.