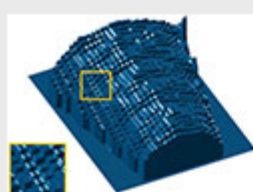




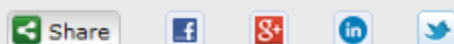
Thursday, December 3, 2015

### Polarization Data Enhances 3D Scanning Resolution



The resolution of conventional 3D imaging devices can be increased by as much as 1,000 times by exploiting the polarization of light.

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### UK Creates £13M Photonics Manufacturing Hub

More than 40 U.K. companies will take part in a photonics manufacturing research center to be led by the University of Southampton.

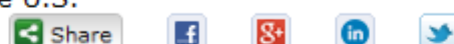
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### BioLight, 2 Asian Firms Invest \$7.2M for Glaucoma Treatment Tech

Financing will support commercialization and regulatory approval of the IOptimate system — a minimally invasive surgical ophthalmic device — in the U.S.

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### Featured Products



#### Multicolor LED Light Engine

Omicron-Laserage Laserprodukte  
Omicron's innovative "LedHUB LED Light Engine" represents a new form of LED light source for science and research and can be equipped with one to six LED modules of different wavelengths.

[More info >>](#)



#### The pco.film

PCO-TECH Inc.  
PCO introduces a new kind of camera system. The pco.film is the first luminescence lifetime imaging camera.

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#### PolarCam Micropolarizer Cameras

4D Technology Corp.  
The PolarCam™ snapshot micropolarizer camera simultaneously captures images at 4 polarization angles from each video frame, enabling a range of image enhancement techniques.

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#### Wavelength Electronics LAB Series

Wavelength Electronics  
The Wavelength Electronics LAB Series instruments provide low noise, high stability, full power benchtop control of QCLs, laser diodes and thermoelectrics.

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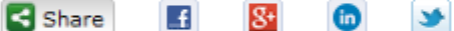
### More Articles on Photonics.com

#### Viral Method Aids Two-Photon Imaging of Primate Brains



Tailored viruses that make brain cells manufacture fluorophores could make two-photon microscopy techniques viable for studying primate brains. Tested in marmosets, the technique could, for the first time, allow scientists to study neural activity related to the complicated cognitive and social behaviors of the order of mammals that includes humans.

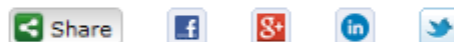
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#### Strobe LEDs for Ballistics Research Net Metaphase \$250K Army Contract

The U.S. Army has awarded Metaphase Technologies Inc. a \$250,000 contract to develop and manufacture advanced high-speed LED strobed illumination equipment for ballistics research.

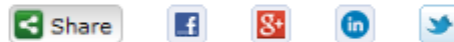
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#### SPI UK Sells CO<sub>2</sub> Lasers Business to Suzhou Tianhong

SPI Lasers UK Ltd., a subsidiary of the Trumpf Group, has sold its CO<sub>2</sub> laser business to Suzhou Tianhong Laser Co. Ltd. for an undisclosed sum.

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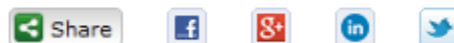


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#### PureLiFi, Lucibel Collaborate to Develop LiFi Luminaire

Two European companies will develop and market the continent's first fully industrialized luminaire based on LiFi — high-speed, bidirectional, networked and mobile wireless communications using light.

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#### Superacid Erases Thin Film Defects, Boosting Luminescence



An organic superacid can smooth out defects in monolayer semiconductors, potentially making them more viable for applications such as transparent LED displays, ultrahigh-efficiency solar cells and photodetectors.

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#### Laser Cools Liquid for First Time

Researchers used a tunable CW laser to trap an up-converting yttrium lithium fluoride nanocrystal suspended in water. Heat was transferred out of the crystal by blue-shifted anti-Stokes photons.

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### Industry Events



**Quantitative BioImaging Conference** - Jan. 13-15 · Delft, Netherlands  
The idea for a conference on Quantitative BioImaging followed from the recognition that there has been no conference to date addressing, in a focused and interdisciplinary manner, the analysis of bioimaging data.  
[More info >>](#)

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### FEATURED VIDEO



#### Admesy Spectrometer Demonstration

At Laser world of Photonics Admesy showed their latest range of spectrometers and spectro-colorimeters aimed at the lighting industry. Admesy CEO, Steven Goetstouwers demonstrates the products and shows their ease of integration.

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