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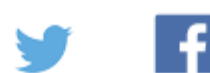
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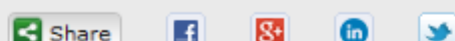
Thursday, June 25, 2015

MEMS Display Harnesses Ambient Light to Create Color Images



"We have developed an entirely new way of creating a color display," said John Hong, a researcher at Qualcomm MEMS Technologies Inc. "The incredibly efficient display is able to create a rich palette of colors using only ambient light for viewing, much like the way we would read and view printed material."

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FEATURED VIDEO



CORRIE FEARON
REGIONAL SALES MANAGER AT RENISHAW

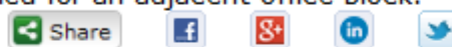
Renishaw – Innovative Encoder Systems

Renishaw's Corrie Fearon and Sandeep Raja discuss the innovative encoder systems: RESOLUTE™ - absolute optical linear and absolute optical rotary (angle) encoder system (www.renishaw.com/resolute) and ATOM™ - optical incremental miniature encoder system (www.renishaw.com/atom). Learn more about unrivalled metrology performance from Renishaw at www.renishaw.com.

Trumpf Plans €70M EUV Facility in Ditzingen

New buildings covering an area of almost 366,000 square feet will be built in the next two years. A multistory hall will include not only production areas and cleanrooms but also zones for testing and startup. Space for 270 workers is planned for an adjacent office block.

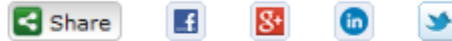
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DirectPhotonics Secures €3.3M Growth Investment

The capital will be used to accelerate growth and further develop a cost-reduced product line of kilowatt lasers for materials processing.

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Featured Products



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Alluxa
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Custom Laser Module

Necsel
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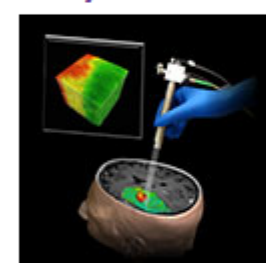
Laser Diode Test System

Yelo Limited
The Y1000L is a universal tester capable of burn-in aging and life-time testing of multiple photonic devices at the same time. This means any photonic device, any package style and using any test recipe.

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Study: OCT Could Aid Brain Tumor Removal



"We envision that the OCT would be aimed at the area being operated on, and the surgeon could look at a screen to get a continuously updated picture of where the cancer is — and isn't," said Johns Hopkins University professor Xingdi Li.

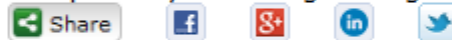
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NKT Photonics Licenses Fiber Laser Technology to Fraunhofer IOF

Using the technology, Fraunhofer IOF plans open a photonic crystal fiber facility in 2017. Its mission will be application-oriented research in the field of optical systems engineering.

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Annette Doyle Named Managing Director at Trumpf UK

Doyle is currently assembly manager for Trumpf Inc. in Farmington, Conn. The department manufactures 350 machines per year, and Doyle's production planning and lean manufacturing initiatives enabled Trumpf to increase production and quality goals during the economic recovery, the company said.

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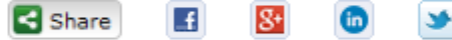


This week on **Light Matters:**
Is there anything lasers can't do?

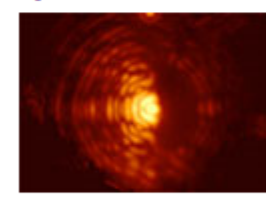
Fog Chamber Aims for Better Optics Testing

A humid chamber in the desert of New Mexico is designed to help improve the abilities of cameras and sensors to penetrate fog.

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Optic Cancels Starlight to Search for Exoplanets



The vector apodizing phase plate (vector-APP) coronagraph was installed in May at the 6.5-m Magellan Clay telescope in Chile, and the first observations demonstrated an unprecedented contrast performance very close to the star, according to an international team of astronomers.

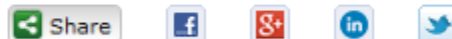
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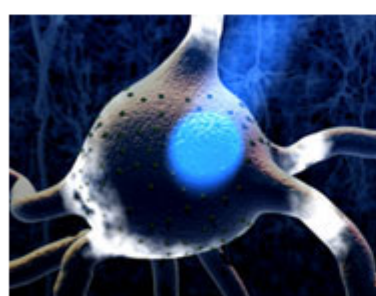
Laser Annealing Creates Nanoscale Lattices

The technique involves sweeping a laser across a polymer sample to produce the extremely localized thermal spikes needed to drive ultrafast self-assembly of nanoscale cylinders. A heat-sensitive elastic coating on top of the unassembled polymer film expands when it is swept by the laser, which pulls and aligns the nanocylinders.

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Ed Boyden

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