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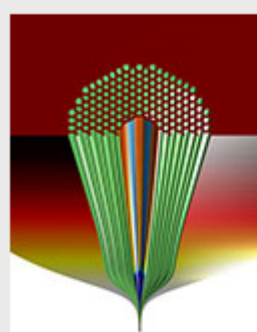
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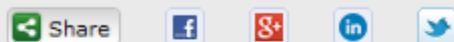
Thursday, June 18, 2015

Photonic Bandgap Fiber Reaches Telecom Scale



New fabrication tools have enabled the creation of an 11-km photonic bandgap fiber that previously could only be manufactured in lengths of hundreds of meters.

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Brimrose Wins \$1.7M in Grants for Directed-Energy Research, Spectral Sensor Development

The grants were awarded under Phase II of the federal Small Business Technology Transfer (STTR) program.

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VI Systems Receives €2M for Optical Interconnect Development

VI Systems GmbH has received nearly €2 million in the form of a grant from the European Commission's Horizon 2020 program to continue development of its vertical-cavity surface-emitting laser (VCSEL) technology for communications.

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Featured Products



Dynamic Sampling Accessories

Ocean Optics
Ocean Optics Inc. has introduced four spectroscopy accessories for dynamic sampling measurements of both solid and liquid samples.

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EMCCD Camera

Princeton Instruments
Princeton Instruments Inc. has introduced a new high-speed electron-multiplying CCD (EMCCD) camera for low-light imaging and spectroscopy.

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UV & IR Detectors

Kentek Corporation
Kentek's View-It® Infrared and Ultraviolet detectors feature a high-efficiency, laser-sensitive material that provides an unlimited viewing period for both pulsed and continuous wave lasers.

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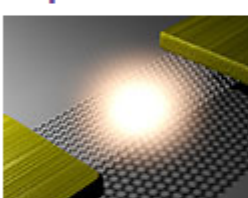
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With the addition of two new models, PCO now provides eight sCMOS-cameras, one for almost every application. The new pco.edge 3.1 and pco.edge 4.2LT have become our newest entry-level cameras.

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Graphene Filaments Provide Tunable On-Chip Light Source



Incandescent bulbs may be a thing of the past, but the principle of light-emitting filaments may have a new use in displays and optical communications.

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Mahr Expands Optical Metrology Offerings with ESDI Acquisition

ESDI develops Fizeau interferometers and software for surface and wavefront metrology applications in the optics, aerospace, automotive and electronics industries.

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Zeiss Industrial Metrology to Acquire Majority Stake in Steinbichler

Carl Zeiss Industrial Metrology GmbH is set to acquire a majority interest in Steinbichler Optotechnik GmbH of Neubeuern, a move it says will make it a complete provider of optical metrology products for auto body manufacturing.

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This week on **Light Matters**:

Take a run through the state of the art in optical sensors.

Terahertz System Achieves 32 Gb/s Wireless Data Transfer

Developed by the French Institute of Electronics, Microelectronics and Nanotechnology (IEMN), the system incorporates components produced by optical test equipment manufacturer Tektronix Inc. of Beaverton, Ore.

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Metamaterial Waveguide Confirms Theoretical Prediction



"Nonlinear optics is critically important to controlling light for information processing, sensing and signal generation," said Georgia Tech professor Wenshan Cai. "Our effort substantially expands the scope of nonlinear light-matter interactions in artificially structured media with engineered, unconventional linear and high-order material parameters."

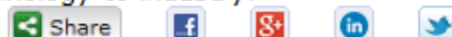
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Fraunhofer Laser Institute Joins Australian Additive Manufacturing Project

The Innovative Manufacturing Cooperative Research Centre (IMCRC) will be based in Melbourne, with other nodes around Australia. It will focus on researching and developing additive manufacturing processes, developing automated and supportive technologies and high-quality products and, finally, transferring the technology to industry.

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Industry Events

OSA Advanced Photonics Congress 2015 - June 27-July 1, 2015 · Omni Parker House Hotel, Boston



The congress includes meetings on integrated photonics research, silicon photonics and nanophotonics, novel optical materials and applications, optical sensors, photonic networks and devices, and signal processing in photonics communications.

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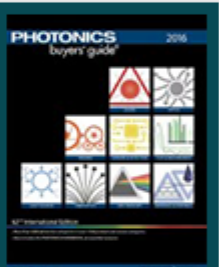
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