

This Week In PHOTONICS

PHOTONICS MEDIA

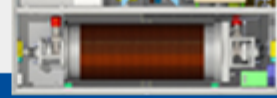


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A better excimer laser. The IPEX-700.

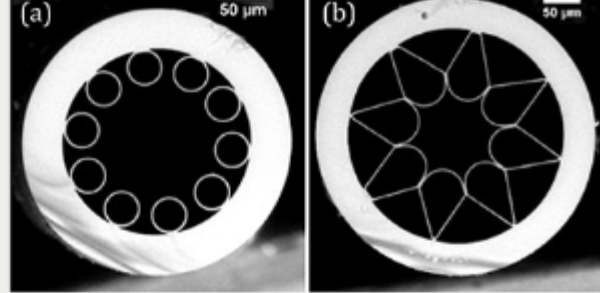
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Top Stories

Gas/Fiber Hybrid Laser Achieves Stable MIR Emission

A gas/fiber hybrid laser is capable of pulsed and continuous mid-infrared (MIR) emission between 3.1 and 3.2 μm , a spectral range that has long presented a major challenge for laser developers. The achievement could aid in the development of additional applications for MIR lasers, which are currently used in spectroscopy, environmental sensing and detecting explosives.

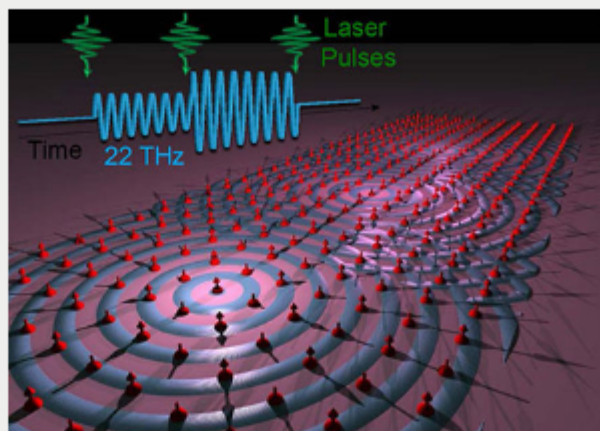


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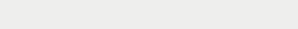


FS Laser Pulses Push Limits of Spintronics, Magnonics

The ultimate speed limit of the control of spins in a solid-state magnetic material has been determined. The results pave the way to the unprecedented frequency range of 20 THz for magnetic recording devices, which can be employed also at the nanometer scale.



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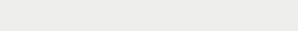


Light Brigade, NeST Introduce India Fiber Optics Training Program

Light Brigade, the fiber optic training subsidiary of infrastructure specialist AFL, headquartered in Tukwila, Wash., is working with the NeST Institute of Fiber Optic Technology PVT Ltd. of Kerala to introduce the Amal Jyothi NeST Center for Fiber Optics Technology fiber optics training program.



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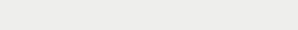
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Robert Alfano Receives OSA's Feld Biophotonics Award

Dr. Robert R. Alfano, a pioneer in ultrafast optical science and engineering, is the 2016 recipient of the Optical Society of America (OSA) Michael S. Feld Biophotonics Award. The award recognizes individuals for their innovative and influential contributions to the field of biophotonics.

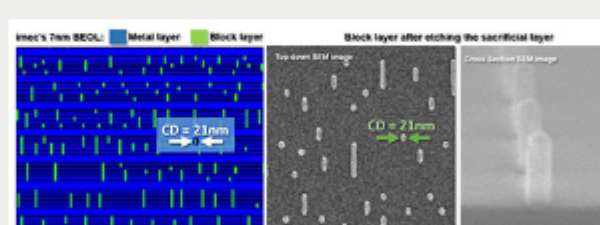


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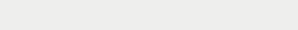


Integrated Fab Process Demonstrated for Metal-Oxide EUV Photoresist

The first integrated patterning process for next generation high-resolution devices using a nonchemically amplified metal containing photoresist and EUV lithography has been presented by nanoelectronics research center imec along with EUV photoresist developer Inpria Corp. of Corvallis, Ore., and Tokyo Electron Ltd. (TEL) of Tokyo, a semiconductor/flat panel display production equipment company.



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Featured Video

DRS Technologies – History of Defense Industry Support

DRS Technologies brings battlefield-proven solutions to the commercial market. Having continuously revolutionized electro-optical infrared systems to meet changing surveillance, reconnaissance and target acquisition demands, DRS leverages its history of defense-industry support to deliver tactical-level uncooled modules and detectors that give OEMs a competitive advantage.



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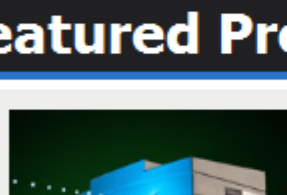
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Lightwave Logic Demonstrates Single-Mode Laser Light through Polymer Waveguides [Read Article](#)

Featured Products



High-Efficiency Mid-band OPO

Continuum
Horizon offers up to 40% conversion efficiency, an extended tuning range into the vacuum ultraviolet (192-2750nm), narrow linewidth and active precision control throughout.

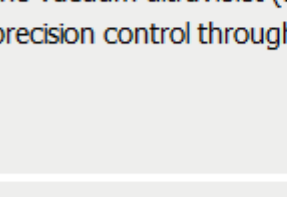
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Pyroelectric Pulse Energy Detectors

Newport Corporation
The new 919E Series pyroelectric pulse energy detectors use innovative, patented technology which facilitates accurate and repeatable laser measurements of pulses over an extensive range of laser pulses.

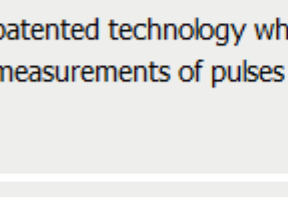
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Custom Polymer Optics

Diverse Optics Inc.
Diverse Optics manufactures custom precision polymer optics. Core processes include injection molding, single point diamond turning (SPDT), opto-mechanical design and more.

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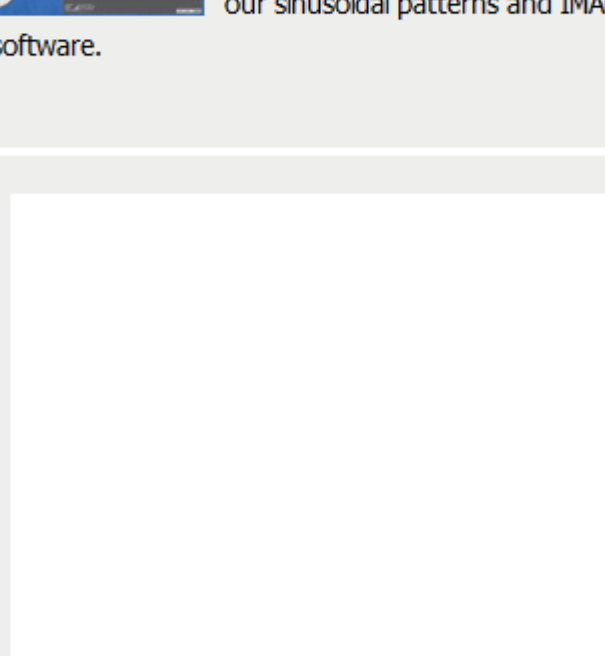
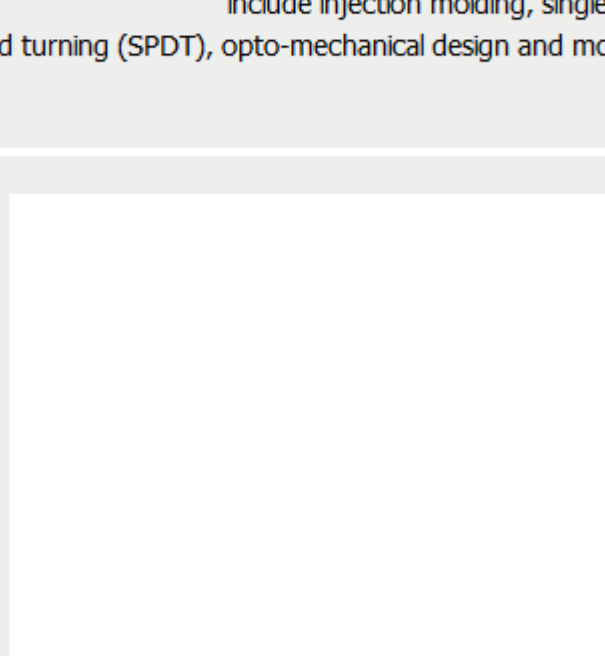


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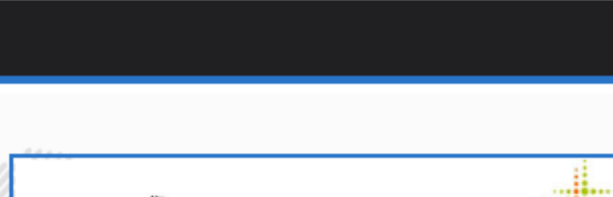


Industry Events

Laser World of Photonics China 2016

March 15-17, Shanghai

Laser World of Photonics China, Asia's trade fair for the photonics industry, has taken place in Shanghai every year since 2006 and celebrated its 10th anniversary in 2015. It presents the entire range of photonics in an international setting, tailored to the specific needs of the Chinese market.



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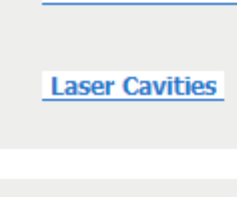
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