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Fiber Optic Sensor Offers Better Monitoring

A new fiber optic acceleration sensor can be used for the high-frequency measurement of small vibrations, which could lead to better condition monitoring of rotating machines such as turbines, pumps, motors and vehicles.

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Elusive Solar Light-Trapping Limit Nearly Reached

The theoretical limit of light-trapping in solar cells has eluded researchers for decades. But a group from Delft University of Technology (TU Delft) has come closer to it than anyone else.

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IR Lasers Enable Touchless Smartphones

A new proximity detector could allow future smartphones to respond to touchless commands by distinguishing between as many as eight hand gestures. Using an IR laser, the detector is able to measure distances to within a centimeter or two.

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IQE, UCSB Team Up to Grow Silicon Photonics

A new epitaxial wafer technology is moving forward the next generation of quantum dot lasers on silicon substrates. The technology essentially enables the integration of photonics devices with silicon technology for high-volume data communication applications, and on an ultralow-cost platform.

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CEOs Sound Off on Global Vision Market

Machine vision plays a huge role in industrialization in Europe and the US, and it will increasingly affect automation and other market factors in Asia, according to an executive roundtable organized by Vision 2014 and the VDMA.

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Featured Products



LAOS Sapphire

GT Crystal Systems, LLC
LAOS begins with ultrahigh-purity starting material and is grown in a special process in order to reduce optical absorption seen in standard sapphire materials.

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Mini Zoom Lens

Resolve Optics Ltd.
Resolve Optics Ltd. has developed a variant of its Model 207 miniature motorized zoom lens that enhances the deep-sea welding capabilities of remotely operated vehicles (ROVs).

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Industry Events

SPIE Photonics Europe 2014 - April 14 - 17 2014 · Brussels, Belgium

Visit Photonics Media at Booth 217 S



Conferences include, but are not limited to: Metamaterials, Nanophotonics, Photonic Crystal Materials and Devices, Micro-Structured and Specialty Optical Fibres, Silicon Photonics and Photonic Integrated Circuits, Semiconductor Lasers and Laser Dynamics, Nonlinear Optics and its Applications, Organic Photonics, Optics, Real-Time Image and Video Processing, Photonics for Solar Energy Systems, Optical Sensing and Detection, Quantum Optics, Micro-Optics, Optical Modelling and Design.

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