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THE PULSE OF THE INDUSTRY




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Educational Programs Drive the Future



According to the National Science Foundation (NSF), the STEM (Science, Technology, Engineering, Math) workforce is critical to innovation and competitiveness. STEM literacy is vital also to ordinary citizens making sense of a complex world. Several noteworthy developments have been made in STEM education at all levels, and many more are in the pipeline.

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For Advanced Manufacturing, Success Demands Innovation, Education and Public-Private Partnership

Global manufacturing has undergone enormous changes in the past decade as many developing countries have joined the club of tier-one manufacturing nations, a recession stalled demand, and employment fell precipitously in leading economies. Yet manufacturing remains critical to the future of both developing and advanced worlds, driving innovation, productivity and competitiveness, and offering a pathway out of poverty.

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As Photonics Advances, Safety and Security Progress



Copious information and data are crucial when it comes to safety and security systems and initiatives. Thanks to advances in photonics, the pool of available data is growing. New lighting sources, higher resolution cameras and the expanded use of nonvisible wavelengths all promise increased capabilities over the next five to 10 years.

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Prism Awards Highlight Photonics Innovation

SPIE Photonics West will take a break from plenary sessions, product demonstrations and research presentations for one night next month to honor the winners of the 2016 Prism Awards for Photonics Innovation. The ceremony will be held on Feb. 17 during the annual international conference and exhibition in San Francisco.

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Featured Products



Standalone Benchtop Light Source

Heraeus Noblelight LLC

The Heraeus standalone benchtop light source has deuterium and tungsten halogen lamps designed to provide spectral output from 190 nm to 2,500 nm.

[More info >>](#)



Ultra-compact, Narrow Linewidth 08-01 Series

Cobolt AB

Cobolt AB, Swedish manufacturer of high performance lasers, introduces the 08-01 Series of ultra-compact, narrow linewidth lasers, ideal for high resolution Raman spectroscopy applications.

[More info >>](#)



Acylinder Lenses

Esco Optics

Esco Optics Inc. offers aspheric cylindrical (or acylinder) lenses in various materials with cylinder lengths upwards of 200 mm.

[More info >>](#)



High Precision Piezo Controller

MICROMO

MICROMO is pleased to announce that PiezoMotor Uppsala AB (Sweden), leading provider of linear and rotary high end positioning systems, is announcing the latest drive option for the high precision Piezo LEGS® motor series.

[More info >>](#)



PixClear 4-pack in Ethyl Acetate

Pixelgent Technologies

Pixelgent, the leader in high-index materials, is proud to announce the release of a new line of products that ease integration with applications such as Display and Printed Electronics and offer the same benefits to device performance.

[More info >>](#)



Low Noise Digitizer and Lock-in Amplifier

Zurich Instruments AG

Zurich Instruments sets a new milestone with the Digitizer Option for the MFLI, a lock-in amplifier for the middle and low frequency range.

[More info >>](#)



ILT2400 Optometer with TouchScreen

International Light Technologies

ILT is proud to announce the release of the NEW ILT2400 Hand Held Optical Meter with Touch Screen Display and 4 GB of internal memory.

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Sub-miniature Resonant Scanner

Electro-Optical Products Corp.

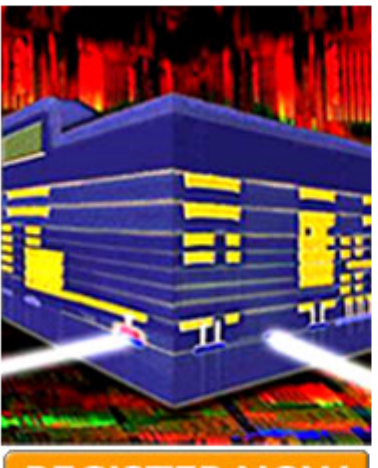
The fixed frequency resonant optical scanner deflects a light beam with a continuous sinusoidal motion.

[More info >>](#)

WEBINAR

CMOS-Integrated Nanophotonics Technologies for Short-Reach Communications Links

Thursday, Jan. 28, 1-2 p.m. EST
FREE WEBINAR



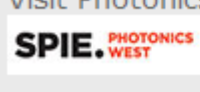
Douglas Gill

This webinar will provide an overview of monolithic front-end-integrated electronic/nanophotonic CMOS technology that has been developed at IBM for single-mode optical short-reach transceivers at data rates up to 25 Gb/s.

REGISTER NOW

Industry Events


SPIE Photonics West 2016 - February 13 – 18, 2016 · Moscone Center, San Francisco, Calif. USA
Visit Photonics Media at Booth 904-905



SPIE invites papers for Photonics West, the laser, photonics, biomedical optics conference with 21,000 attendees, two exhibitions and 1250 exhibiting companies. Topic areas include biomedical optics, biophotonics, translational research, industrial lasers, 3-D printing, optoelectronics, microfabrication, MOEMS-MEMS, displays and more.

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