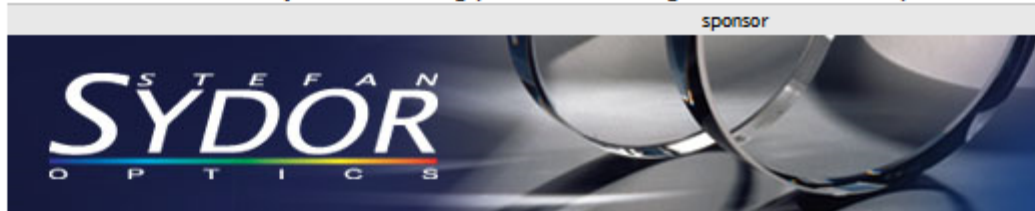


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Our World is Flat
Custom flat optics for precision applications

Sneak Preview
Photonics West, San Francisco, Calif., Feb. 1-6, 2014

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THE PULSE OF THE INDUSTRY

Issue 1 January 7, 2014

LIGHT EXCHANGE

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Cooled 2k x 2k sCMOS Genicam Camera

PSL Cooled, sCMOS Genicam compliant Gen II camera in 2048 x 2048 format. Camera features high quantum efficiency and sub electron read out noise while maintaining 30 fps at full resolution & 16-bit dynamic range. Also supplying OEM modules for fluorescence microscopy, spectroscopy, luminescence and multispectral systems.

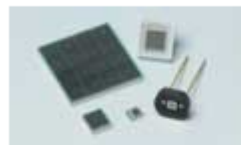
 **Photonic Science Ltd**

See us at booth 6016

www.photonic-science.com

New Low-Light Detectors

See Hamamatsu's newest **Multi-Pixel Photon Counters (MPPC)** for low-light detection in booth 1313. These new MPPC detectors provide excellent signal-to-noise ratio, low crosstalk, and low afterpulsing. They are available in various active area sizes, arrays, and modules.



 **Hamamatsu Corporation**

See us at booth 1313

sales.hamamatsu.com



Laser Optics - Wedges and Windows

Capacity to provide high volumes of **custom laser optics** of fused silica, CaF₂ and MgF₂ materials. Machined blanks or polished, coated optical components for wedges or windows.

 **Sydor Optics**

See us at booth 531

www.sydor.com

New High Laser Damage Threshold (LDT) Coatings

Deposition Sciences introduces a new line of **high laser damage threshold (LDT) optical coatings**, ideal for use with diode, diode-pumped solid state (DPSS), and gas lasers. They feature laser damage threshold levels as high as 25 MW/cm². Our LDT coatings can be applied onto a wide variety of geometries and complex shapes for extremely uniform performance.



 **Deposition Sciences**

See us at booth 414 South Hall

www.depsci.com



Non-Contact Thickness Measurement

The **model 157** provides the most reliable thickness measurement of plastic films, medical membranes, and ophthalmic products. Absolute thickness from 12 μm to 8 mm is measured to an accuracy of ± 0.1 μm and with a repeatability of ± 0.05 μm.

 **Bristol Instruments, Inc.**

See us at booth 510

www.bristol-inst.com

High-Performance IR Interferometer / M-Wave 339

The M-Wave 339 is a state-of-the-art LUPI (Laser Unequal Path **Interferometer**) operating at 3.39 micrometers. It is the ideal instrument for testing mid-wave infrared imaging components/systems and optical material homogeneity.



 **M3 Measurement Solutions Inc.**

See us at booth 5630

www.m3msi.com



Transforming Light

- Laser Dyes
- Fluorescent Dyes
- Selective Wavelength **Filter Dyes**
- Infrared Dyes

 **Exciton, Inc.**

See us at booth 4410

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2014 Photonics West

SPIE Photonics West is the largest and most influential event for the laser and photonics community in North America, featuring 20,000 attendees, two exhibitions, 1300 exhibiting companies, a wide range of papers on biomedical optics, biophotonics, translational research, industrial lasers, optoelectronics, microfabrication, optical MEMS, and more.



As always, the conference features the BiOS, OPTO, LASE, MEMS/MOEMS, NANO, and Green Photonics tracks. A highlight of BiOS is the Hot Topics in Biomedical Optics plenary session, where the latest technical breakthroughs are presented by leading worldwide experts. This year, the program features presentations on the hot topics of diffuse optical methods for assessing breast cancer chemotherapy, optical spectroscopy and tomography of oxygen delivery, single-cell photonic nanocavity probes and new small quantum dots for neuroscience.

Bound to be popular during the MEMS/MOEMS conference are presentations on tailoring light for optically-guided nano- and microassembly, bio-integrated and bio-inspired optical microsystems, and electrostatic nano electromechanical switches for energy-efficient digital systems.

But the Photonics West experience is more than technical papers and the exhibitions. These six days in San Francisco are filled with networking opportunities and new insights, such as the Women in Optics Panel and Reception, the always-crowded Photonics West Welcome Reception, and the Speed Networking Social.

Professional development events and events for members and students are also included in the jam-packed week of the conference.

Stop by our booths!

Visit Photonics Media at Booth 8701 during BiOS or Booths 700 and 701 during Photonics West, pick up the inaugural issue of Photonics Media's Industrial Photonics magazine or the January issue of our flagship publication, Photonics Spectra. Test your "light IQ" by playing our Light Masters game of photonics industry logos and/or trivia during the BiOS exhibition and you're registered for the drawing of a Google Nexus 7 tablet. There will also be Nexus 7 drawings daily for Light Masters players during the Photonics West Exhibition, as well as a random drawing on Feb. 6 for \$300 in gift cards from Amazon! And as always, you can visit us online at www.photonics.com

[photonics.com](http://www.photonics.com)

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