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Sneak Preview

Photonics West, San Francisco, CA, Feb. 2-7, 2013

Issue 1 January 15, 2013

PHOTONICS MEDIA

THE PULSE OF THE INDUSTRY



New Flexible MTF Test Station

TRIOPTICS and Wells Research introduce the new **ImageMaster[®] Compact**, a modular and cost-effective MTF Test Station for use in prototype and small serial production. It is a motorized, horizontal table-top instrument capable of measuring the MTF and other optical parameters.

TRIOPTICS GmbH

www.trioptics.com

see us at booth 1608

Smallest SWIR GigE Camera

The advanced high resolution **Bobcat-640-GigE SWIR camera** offers a broad range of parameter settings and flexibility of use. You get excellent image quality with on-board image processing and TE-cooling for low dark current and optimized noise performance.



Xenics

www.xenics.com

see us at booth 926



AFL LAZERMaster™ Laser Splicing System

Developed and manufactured by AFL in conjunction with Fujikura, AFL's **LZM-100 LAZERMaster™** is the first commercially available glass processing and splicing system that uses a CO₂ laser heat source to

perform splicing, adiabatic tapering and other glass-shaping operations. See demos at Booth #231.

AFL

www.AFLglobal.com

see us at booth 231

Phantom v1610

The fastest commercial CMOS high-speed camera available runs at 16 gigapixel/second, providing 1 megapixel images (1280 x 800) at up to 16,000 frames-per-second. The **Phantom v1610** is ideal for the most demanding high-speed applications. Look to Phantom cameras when it's too fast to see, and too important not to.



Vision Research

www.visionresearch.com

see us at booth 1036



New Sydor X-Ray Diagnostics

See Sydor's new X-Ray detection products at booth 740. These include Strip Detectors, Diamond Beam Position Monitors, and Fast CCD Cameras for **Synchrotron applications**. In addition, our Streak Cameras, Photek PMTs, Image Intensifiers and EMCCDs will be on display.

Sydor Instruments

www.sydorinstruments.com

see us at booth 740

Glass and Polymer Microstructures

Incom has produced glass fiber optics/microstructures for over 40 years. Polymer materials were added in 2011. With our unique capabilities we have participated in the development of hydrogen storage, **next-generation microchannel plates**, desktop particle accelerators, customized microfluidics, and large-area digital X-ray FOP's.



Incom, Inc.

www.incomusa.com

see us at booth 1000



New Precision Coatings from DSI

DSI offers increased patterning capabilities with new 200 mm (diam.) wafer photolithography. Enhanced LPCVD process features ultra-durable, multi-layer coatings for extremely complex shapes & ball lenses. **Very long wavelength infrared (VLWIR)** coatings are ideal for remote sensing, chemical analysis, astrophysics/astronomy, & horizon sensors.

Deposition Sciences

www.depsci.com

see us at booth 410
South Hall

Improved Metallized Optics

Guild Optical Associates recognized a need from their endoscopic customer base, and delivered a new, more durable **metallized sapphire window**. Their new solderable sapphire window can better withstand the harshest of autoclaves, as well as chemical sanitization systems.



Guild Optical Associates

www.guildoptics.com

see us at booth 218



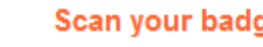
Play Light Masters and you could win a Google Nexus 7 tablet!

- Are you good at guessing company logos?
- Current on industry news and events?

Are you the next Light Master? There's only one way to find out! Play Light Masters at the Photonics Media booth at both BiOS (booth 8600) and Photonics West (booths 600 & 601) AND be entered into a random drawing for a Google Nexus 7 tablet!

Drawings will be held at 3 p.m. on Sunday (2/3/13), Tuesday (2/5/13), Wednesday (2/6/13) and Thursday (2/7/13).

Pick up a copy of the current issues of *Photonics Spectra*, *BioPhotonics* and *EuroPhotonics*. Fill out a subscription form and pick up a small token of our appreciation.



Scan your badge and enter to win a \$300 gift card from Amazon!

Photonics West 2013

SPIE Photonics West 2013 - begins Feb. 2 with SPIE BiOS, where the latest information on biomedical optics, diagnostics and therapeutics, biophotonics, molecular imaging, optical microscopy, optical coherence tomography, and optogenetics is presented and discussed.

This year BiOS will feature 2000 presentations in the areas of photonic therapeutics and diagnostics; clinical technologies and systems; tissue optics, laser-tissue interaction, and tissue engineering; biomedical spectroscopy, microscopy, and imaging; and nano/biophotonics. The BiOS Expo (Saturday and Sunday) is where 235 companies show-off their latest devices, components, and instrumentation for diagnostics and therapeutics.

The BiOS Hot Topics session (Saturday, Feb. 2, 7-9 p.m.) this year will include: optogenetics and hybrid-optical control of cells, MEMs-tunable VCSEL technology for ultrahigh-Speed OCT, patterned multiphoton photoactivation in scattering tissue by temporal focusing, clinical requirements for optical imaging in medical robotics, camera-based functional imaging of tissue hemodynamics, multiwave approach to elasticity imaging for cancer detection, functional optical imaging of the brain, and photoacoustic flow cytometry.

» The Main Event

SPIE Photonics West 2013, the flagship annual event for the photonics industry, will feature 4400 papers, 18 plenary presentations, 40 technical events, 70 courses, and 1300 exhibitors. Conferences include Lasers and Sources (LASE): laser source engineering, high-power laser manufacturing, nonlinear optics, semiconductor lasers and LEDs, laser micro-/nanoengineering, laser applications; Optoelectronic Devices and Materials (OPTO): optoelectronic materials and devices, photonic integration, nanotechnologies in photonics, advanced quantum and optoelectronic applications, semiconductor lasers and LEDs, displays and holography, optical communications: devices to systems; MOEMS-MEMS: micro- and nano fabricated electromechanical and optical components, micro/nanofabrication, devices, applications, reliability; and Green Photonics: solid-state lighting and displays, laser-assisted manufacturing and micro/nano fabrication, communications, renewable energy generation: fusion and photovoltaics.

» Start-up Challenge

The 2013 SPIE Startup Challenge, a photonics business pitch competition, has become an annual opportunity to see early-stage innovation in progress. Ten finalists will present their three-minute pitches to a panel of judges on Wednesday, Feb. 6, 3:30-5 p.m., followed by announcement of winners and a reception. The finalist presentation is open to the public with free registration.

Pitches will showcase optics or photonics technologies or applications presented as the basis for viable new businesses. The focus is on new businesses and potential startups, so established companies must be pre-revenue at the time of the competition.

For more information, visit: <http://spie.org/x88933.xml>

» Stop by our booth

Visit Photonics Media at booths 8600 (BiOS Expo) and 600 and 601 (Photonics West Exhibition) for interactive games, the chance to appear on camera, cool giveaways (a Google Nexus 7 tablet!) and a chance to win a \$300 Amazon gift certificate. And as always, you can visit us online at www.photonics.com

Photonics Media

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