

Sneak Preview

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

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PHOTONICS MEDIA
THE PULSE OF THE INDUSTRY



Custom Precision Optics

Since 1947, LaCroix Optical Co. has positioned itself as a premier domestic volume and prototype manufacturer of custom precision optics. **Products include:** Lenses, Achromats, Aspheres, Windows, Mirrors, Prisms and Wedges. We are ISO 9001:2008 certified and ITAR registered and compliant.

LaCroix Optical Co. www.lacroixoptical.com see us at booth 5127

Measure Film Thickness - Fast!

- Simplest Spectral Reflectometer Available
- USB Powered - 40k-Hr Light Source
- 380-1050nm Wavelength Range
- On-Board Wavelength Calibration
- Transmittance and Refractive Index Options
- 200-1700nm Versions Available



Filmetrics, Inc. www.filmetrics.com see us at booth 5335

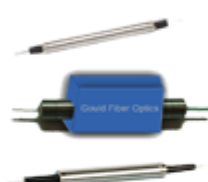
9 Megapixel Machine Vision Camera

The **9 Megapixel Manta G-917** closes the gap between conventional machine vision cameras and high resolution cameras that use 35mm full format sensors. The Manta G-917 features Sony's ICX814 EXview HAD CCD II sensor that provides excellent image quality.

Allied Vision Technologies www.alliedvisiontec.com see us at booth 117

LoWave/High Power MicroOptic Comp.

Offering high powered and low wavelength options to current product portfolio of **isolators, circulators and polarizers.** MicroOptics technology featuring SM/PM, Low Insertion Loss, High Isolation, Reliability, Stability & High Power. Ideal for use in laser, sensor, EDFA, test and measurement and instrumentation applications.



Gould Fiber Optics www.gouldfo.com see us at booth 4827

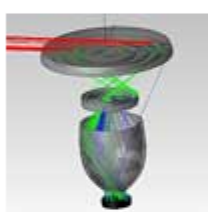
16 Bit Color with sCMOS

pco.edge - first camera system with the revolutionary sCMOS image sensor delivering a perfect combination of high resolution 5.5 megapixel, low readout noise <1.1 electrons, high dynamic range >27,000:1 and high speed frame rate of 100 frames/sec - with 16 bit color.

PCO-TECH Inc. www.pco-tech.com see us at booth 2123

Announcing TracePro 7.3 Software

The **TracePro 7.3** software release enhances its opto-mechanical analysis and design capabilities by adding a fully automated, interactive solar analysis utility. This utility uses user-defined input for geographical location, period of sun travel, and solar power emission to simulate cloudy to clear day calculations. Utility output includes irradiance, candela and flux reports on targets.



Lambda Research Corp. www.lambdares.com see us at booth 801

Astigmatism-Free Spectrograph

Learn more from your photons with IsoPlane! Achieve better resolution and signal-to-noise ratio with more photons focused on fewer pixels. IsoPlane eliminates field astigmatism and greatly reduces coma, enabling crisp, detailed imaging across the entire focal plane.

Princeton Instruments www.princetoninstruments.com see us at booth 2117

LED Beam-Shaping Collimators

RPC Photonics and Apollo Optical Systems introduce a line of LED **Beam-shaping collimators**, offering collimation of ~2-3.25° FWHM. Circular or square patterns of 10-40° are available with an Engineered Diffuser™ molded in the surface. Visit Booth 2140 for more information.



RPC Photonics www.RPCphotonics.com see us at booth 2140

Acquires & Sells Pre-Owned Equipment

InSpec Global Technologies acquires and sells **pre-owned equipment, refurbishes equipment, offers peripherals and parts.** Warranty and support included. Equipment can be sold either "as is" or in refurbished condition, operational to OEM specifications and backed by InSpec's 90-day warranty.

InSpec Global Technologies LLC <http://inspecglobal.com/> see us at booth 5430

How do you explain photonics to the general public?

Stop by the Photonics Media booths (600 & 601) at Photonics West between 10 a.m. and 2 p.m. on Tuesday, February 5, and give us your answer. You could appear on an upcoming edition of **Light Matters Weekly Newscast** at Photonics.com, the industry's original weekly newscast. We'll give you your very own Light Matters T-shirt for participating.

Appear on camera and get a free T-shirt!



Light Matters Weekly Newscast

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

Photonics West 2013

The flagship annual event for the photonics industry, SPIE Photonics West, will feature 4400 papers, 18 plenary presentations, 40 technical events, 70 courses, and 1300 exhibitors when it takes place from Feb. 2-8, 2013 in San Francisco. The weeklong event kicks off 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.

Photonics West 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.

Industry-focused Events

Special industry-focused panels at SPIE Photonics West 2013 include the topics of silicon photonics, emerging growth opportunities in sustainable technology, and an executive roundtable on the world of optics and photonics.

Silicon Photonics and Photonic Integrated Circuits, moderated by SPIE Director of Marketing and Industry Relations Peter Hallett, Tuesday Feb. 5, 2 p.m. to 3 p.m.

Emerging Growth Opportunities in Sustainable Technology, moderated by Stephen J. Eglash, director of the Precourt Institute for Energy at Stanford University, Tuesday, Feb. 5, 3:30 p.m. to 4:30 p.m.

Executive Perspectives on the World of Optics and Photonics, moderated by SPIE Industry and Market Strategist Stephen G. Anderson, Wednesday, Feb. 6, 2 p.m. to 3 p.m.

Professional Development

Have an idea for a technical business? Are you engaging in career exploration, or need to make your current work more relevant? Then you should attend "From the Bench to the Marketplace," a series of talks and discussions that explore topics in innovation and entrepreneurship. Get inspired to create the next big thing and learn how to make it happen. These talks are designed for students and early career professionals, but all are welcome. Sessions include: Technology Entrepreneur: The Good, the Bad and the Ugly, with Bill Parker, CEO of Creative Microsystems Corp.; Opportunity Recognition: Identifying Promising Paths for Your Career and Your Start-up, with Lawrence Livermore National Laboratory spin-out RAPT Industries Co-founder Peter S. Fiske; and Using 21st Century Methods to Find Funding with Open Photonics CEO Jason Eichenholz.

From the Bench to the Marketplace, Sunday, Feb. 3, from 2 p.m. to 5 p.m.

» Stop by our booth

Are you a Light Master? Visit Photonics Media at booths 8600 (BIOS Expo) and 600 and 601 (Photonics West Exhibition) and find out! In addition to our interactive game, you have the chance to appear on camera for our Light Matters weekly newscast and can register for other cool giveaways, such as 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

Berkshire Common - 2 South Street - PO Box 4949 - Pittsfield, MA 01202-4949
Tel: (413) 499-0514 - Fax: (413) 442-3180 - advertising@photonics.com - www.photonics.com

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