

Sneak Preview

Photonics West, San Francisco, Calif.
February 7-12, 2015



THE PULSE OF THE INDUSTRY



ISSUE 3

Tuesday, January 27, 2015



Lasers for Any Process. Any Material. Any Application.

Coherent profiles their latest laser-based solutions at Photonics West. These revolutionary laser systems, components and laser measurement products serve major markets from scientific, life sciences and industrial. Stop by booth 1701 to discover what you're missing.

Coherent Inc.

See us at booth 1701

www.coherent.com

New! Fiber Recoaters from AFL

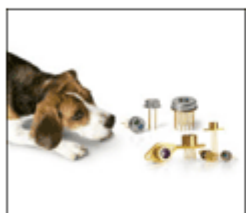
The **Fujikura FSR-05, FSR-06 and FSR-07 fiber recoater series** provides extensive programmable features including an automatic resin pumping system. With new LED curing lamps and easy-to-exchange molds, the FSR series coats fiber sizes from 155 µm to 900 µm.



AFL

See us at booth 4327

www.AFLglobal.com



New Production Plants for IR Components

At Photonics West 2015, Laser Components will introduce its new production facilities and developments in the field of **IR Components**: pyroelectric DLATGS and LTO Detectors, PbS and PbSe Detectors, InGaAs PIN diodes, and IR emitters.

Laser Components USA, Inc.

See us at booth 2023

www.laser-components.com

New Camera Models to Debut

Five new models highlight Allied Vision's booth: Mako G-030, Mako G-050, Mako G-095, Manta G-235, and the Goldeye G-033 short wave infrared (SWIR) camera. These new models demonstrate Allied Vision's wide range of cameras designed to meet various application demands.



Allied Vision Technologies GmbH

See us at booth 118

www.alliedvision.com



High-Power Temperature Controllers

The **5400 Series TECSource** high-power temperature controllers bring power to a whole new level. Up to 960 Watts of TEC power and capabilities including an analog output, digital I/O, and multiple temperature sensors. These new controllers satisfy even your most demanding thermal applications.

Arroyo Instruments, LLC

See us at booth 5126

www.arroyoinstruments.com

High-Speed EMCCD Cameras

New ProEM-HS high-speed EMCCD cameras with patented eXcelon3 technology are perfect for low-light applications. Enabled by rapid (20 MHz) ADC readout capability and 300 nsec/row vertical shift speed, they deliver >60 full fps, high QE, NIR fringe suppression and single-photon sensitivity.



Princeton Instruments

See us at booth 2217

www.princetoninstruments.com



TAG Lens: Using Sound to Shape Light

Come see the world's fastest varifocal lenses: TAG Optics will be featuring its **award-winning TAG Lens** in several imaging modalities from biological microscopy to high-speed part inspection. TAG Lenses can change focal length in sub-microseconds, provide over 30x increase in depth-of-field, and are a simple add-on to any optical system.

TAG Optics Inc.

See us at booth 5217

www.tagoptics.com

Freedom of Freeforms

Freeforms provide the freedom for optical designers to create optics that have: - Fewer elements - Lighter weight - Increased flexibility
Stop by booth #617 and **tell us your freeform optics needs.**



Optimax Systems

See us at booth 617

www.optimaxsi.com



Photodiodes and Value-Added Solutions

OSI Optoelectronics will showcase **high-performing standard** and OEM photodiodes, high-power light sources, optoelectronic components, and value-added assemblies. OSI offers economical advanced solutions including complete product engineering and design, manufacturing, assembly, and inspection services. Stop by and see OSI Laser Diode and OSI Ferson Technologies also in Booth 1441.

OSI Optoelectronics

See us at booth 1441

www.osioptoelectronics.com

2015 Photonics West

SPIE Photonics West is touted as the #1 international laser, photonics and biomedical conference and trade show. Held annually, several topic-specific sessions are presented, in addition to exhibitions, courses, a job fair, and special events in technology, industry, networking and others.



A projected 20,000 attendees will see nearly 1,250 exhibiting companies and 4,700 papers on biomedical optics, biophotonics, translational research, industrial lasers, optoelectronics, microfabrication, 3-D printing, MOEMS-MEMS, optical communications, displays and more.

Sessions to be held include BiOS 2015 (Biophotonics and Biomedical Optics), which offers the latest on biomedical optics, diagnostics and therapeutics, biophotonics, new imaging modalities, optical coherence tomography, neurophotonics, optogenetics and tissue optics. LASE 2015 (Laser Technology and Industrial Laser) features the latest laser manufacturing, laser materials processing, micro-nano packaging, fiber, diode and solid state lasers, laser resonators, ultrafast and semiconductor lasers and LEDs, and 3-D fabrication technologies.

The OPTO 2015 (Optoelectronics and Photonics) session demonstrates the latest on silicon photonics, photonic crystals, optoelectronics, semiconductor lasers, quantum dots and nanophotonics research. This also addresses the latest developments in a broad range of optoelectronic technologies and their integration for a variety of commercial applications. Green Photonics 2015 highlights papers from OPTO and LASE that showcase the latest photonics and optoelectronic tools and materials that will reduce power consumption, enable cleaner manufacturing, and create new energy generation for a broad range of applications.

The Applications of 3-D Printing 2015 will focus on papers from BiOS, LASE and OPTO that showcase innovative ways to apply this multidimensional, multidisciplinary technology.

Exhibitions to be held are the BiOS Expo (February 7-8), which focuses on biomedical optics and biophotonics, and the flagship Photonics West exhibition (February 10-12), which features companies from around the world sharing the latest products, tools and applications for research and business.

The BiOS Expo showcases the latest technologies and demonstrations from more than 230 companies in the biomedical optics and photonics industries. Exhibitors include Hamamatsu Corp., Agilent Technologies Inc., Edmund Optics, Jenoptik and Thorlabs.

The Photonics West Exhibition will feature an international collection of more than 1,200 companies such as Electro-Optics Technology Inc., Powerlase Photonics, Trioptics and Hamamatsu Corp.

SPIE Photonics West is also the stage for the Prism Awards for Photonics Innovation. This is an annual competition recognizing new products and innovative inventions that solve problems and improve quality of life.

Stop by our booth

Visit Photonics Media at booth 522-523 to pick up the latest issues of *Photonics Spectra*, *BioPhotonics*, *EuroPhotonics* or *Industrial Photonics* magazines. While you're there, visit our photo booth and get your face on the cover of an issue of *Photonics Spectra* or enter our drawing for a \$100 Amazon gift card! As always, you can also visit us online at www.photonics.com

PHOTONICS.com

PHOTONICS MEDIA Photo Booth

Booth #523

Be on the cover of your favorite Photonics Media magazine and get a **FREE T-shirt!**

Sign up for a FREE subscription

PHOTONICS.com

Questions: pr@photonics.com

Unsubscribe: <http://www.photonics.com/Newsletter/EmailUnsubscribe.aspx>

[Subscribe](#) | [Manage Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)