

sneak PREVIEW



SPIE Photonics West – San Francisco, CA

January 31 - February 2

An advance look at the products, trends and technologies being presented.



Photonics West Blends Industry, Innovation, Learning

It's an annual must-attend event in the photonics industry, and one that for many, truly kicks off the new year. It's Photonics West, and for more than two decades it has been a symbol of the optimism and excitement for the potential of photonics and light-based technologies.

Each year, researchers, academia and companies from around the world travel to San Francisco's Moscone Center — this year from January 31 to February 2 — to discuss their work and research, present educational workshops and courses, and showcase innovative products and services.

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Ultrafast Fiber Lasers
Tunable Diode Lasers
Terahertz Systems
Frequency Combs
Single-Mode Diode Lasers

Visit us at Photonics West
Booth #923

Featured Exhibitors

Single Photon Counting Camera

From: PHOTONIS Technologies

PHOTONIS' Imaging Photon Camera offers a unique set of capabilities to support fast imaging techniques under light-starved conditions: - Single photon counting with micrometer and picosecond resolutions - Wide field of view (18mm) - High counting rate (5MHz) Unlike digital sensor-based cameras, the Imaging Photon Camera has no read noise and easily supports fast wide-field TCSPC applications in extreme low light.



Visit us: Booth 5129

SMARTSPLICER

From: NYFORS Teknologi AB

NYFORS CO₂ glass processing system is designed for the production of high power and sensitive photonics components. It offers contamination free splicing, repeatable performance and low maintenance. Splicing and tapering can be performed with glass diameters of up to 2.5 mm. It also offers cleaving, bundling and other glass shaping processes. NYFORS provides automated solutions for fibre preparation such as cleaving, stripping, recoating, cleave quality inspection, proof testing and analysing.



Visit us: Booth 5147

TA-FHG Pro Tunable Laser

From: TOPTICA Photonics Inc.

The TA-FHG pro is a tunable, diode-based laser source in the deep UV spectral range. The system consists of an external cavity diode laser, a high power semiconductor amplifier (TA), and two cascaded second harmonic generation stages (SHG pro). Alternatively, it can be equipped with a fiber amplifier (FA) or Raman fiber amplifier (RFA). It provides tunable laser radiation for spectroscopy, laser cooling, holography and interferometry.



Visit us: Booth 832, 923

NEW SLM High Power Capabilities

From: Meadowlark Optics Inc.

New High Power Handling options are available for our high speed (up to 500 Hz), high resolution (1920 x 1152) Spatial Light Modulators (SLMs). All of Meadowlark's reflective backplanes incorporate analog addressing with high refresh rates to provide the lowest phase ripple SLMs available. Users can select standard or high speed liquid crystal for optimal performance for wavelengths from 405 – 1550 nm.



Visit us: Booth 2300

PCO's Small But Mighty Panda Cam

From: PCO

The new pco.panda sCMOS camera provides high quantum efficiency with low dark current noise in an ultra-compact body. The addition of the USB 3.1 interface enables a new generation of cameras with ultra-speed data transfer and direct power via the USB cable. Be the first to see our "blue panda" exclusively at this year's SPIE Photonics West in San Francisco and meet us at booth #2123.



Visit us: Booth 2123

NeoSpectra FT-NIR Spectral Sensor

From: Si-Ware Systems Inc.

NeoSpectra sensors, from Si-Ware Systems, are low cost, miniaturized, Fourier Transform InfraRed (FT-IR) spectral sensors that are based on Micro Electro Mechanical Systems (MEMS) technology. The sensors operate in the NIR with a wide spectral range from 1,100nm to 2,500nm. The sensors are easily integrated into value added systems in a diverse range of industries including agriculture, food, pharmaceuticals, oil and gas, polymers, and biotechnology.



Visit us: Booth 5164

Custom, Precision, Polymer Optics

From: Diverse Optics Inc.

For over 25 years, Diverse Optics has manufactured the most challenging components and assemblies for defense, medical, and commercial applications. We use our knowledge of injection molding and diamond turning to help you reduce cost and improve the performance of your optics. Trust us with everything from spheres, aspheres, free-forms, diffractives, Fresnels, prisms, cylinders, collimators, combiners, micro-optics, mirrors, parabolics, and more! Let us show you how polymer optics are perfected.



Visit us: Booth 2435

PreciseMode™ DBR Laser

From: Photodigm Inc.

Photodigm DBR lasers are available with internal beam correction and control of the thermal mode hops. A virtual microlens corrects astigmatism and reduces fast axis divergence, resulting in a user-friendly beam that can be focused/collimated as needed with a single aspherical lens. The device locks to a selected cavity mode in stable operation without hops over an extended range of current tuning. Available in a Mercury™ or TO-8 package.



Visit us: Booth 4432

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PHOTONICS MEDIA



STOP BY OUR BOOTH

Visit Photonics Spectra, a Photonics Media publication at booth 900-901 and help us celebrate 50 years of Photonics Spectra! View our display of past magazine covers including a special 50th anniversary cover on our January 2017 issue. And ask how you can get your own Photonics Spectra 50 years t-shirt!

While you are at our booth you can start or renew a subscription to our magazines for FREE, look though all our latest issues, pick-up a 2017 calendar highlighting some of the industry events, grab a FREE Photonics Media bag to carry them all away in and enter-to-win an Echo Dot!

We will also be on the BIOS exhibit floor in booth 8737. And as always, you can visit us online at www.photonics.com.