



SPIE Optics & Photonics – San Diego, Calif. August 21-23

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

SPIE O+P Educates, Engages with Optical Sciences and Technology

SPIE Optics + Photonics, to be held Aug. 19-23 at the San Diego Convention Center in San Diego, Calif., is North America’s largest international, multidisciplinary optical sciences and technology meeting. Hosted by SPIE, the annual event highlights current research in optical engineering and applications, nanotechnology, and organic photonics.

The event offers three symposia, over 30 courses, a job fair, and an exhibition of 180 companies showcasing new products, innovations, and cutting-edge technology.

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19-23 AUGUST 2018 · SAN DIEGO, CALIFORNIA, USA

The largest multidisciplinary optical sciences meeting in North America.

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Featured Exhibitors

Camera Module Alignment & Assembly
From: **TRIOPTICS GmbH**

The TRIOPTICS ProCam® product group is a series of ultra-accurate active alignment and assembly systems for camera module production. It covers the entire production spectrum from incoming inspection of the single components to final testing of the assembled optical sensor systems from R&D phase to mass production. With this automated solution it is possible to maximize the optical performance of camera modules and increase the output at the same time.

Visit us: Booth 214

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OCT Components
From: **OZ Optics Limited**

OZ Optics is introducing a new line of fiber optic components for OCT applications: high-speed polarization controller/scrambler, 330ps electrically/manually controlled optical delay line, collimators/focusers, electrical controlled variable attenuators, faraday rotators/mirrors, isolators, fiber pigtailed ultra stable laser module, fused coupler, polarizers, reflectors, directional fiber optic power monitors (taps/photodiodes), miniature inline polarization maintaining splitters/taps/combiners, polarization maintaining fused fiber couplers/splitters, optical circulator, voltage controlled tunable filter, and inline Fabry-Perot tunable filters.

Visit us: Booth 313

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Nanopositioning & Precision Motion
From: **Mad City Labs Inc.**

Mad City Labs offers a complete product line of high-precision piezo nanopositioners, micropositioners, and microscopes suitable for photonics, metrology, microscopy, and astronomy applications. Our nanopositioners feature proprietary PicoQ® sensors yielding picometer precision and low-noise performance. Visit us and discover our micro-to-pico scale positioning and instrument solutions. Products: Nano-MTA beam steering nanopositioners, MMP micropositioners, nanopositioners for super resolution microscopy, atomic step resolution AFM, RM21® platform for microscopy, and Nano-MET picopositioners.

Visit us: Booth 333

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Freeform Optic Characterization
From: **Hinds Instruments Inc.**

Freeform or non-planar optics often have alignment altering residual stress. Hinds’ next generation birefringence imaging system makes quantifiable results of stress available in seconds. The Midfield Imager’s software package supplies a retardance image with sub-millimeter spatial resolution and corresponding data with measurement resolution below 5 nm. Stop by our booth at Optics & Photonics to test the system.

Visit us: Booth 322

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IR Filters for Thermal Imaging and Gas Detection
From: **Spectrogon US Inc.**

Spectrogon manufactures infrared filters and windows with high-transmission, high-rejection outside the passband, while maintaining excellent coating uniformity — for thermal imaging and gas detection applications such as cryogenically cooled IR detectors and for uncooled microbolometers. Our filters and windows range in dimension from Ø6.0 to Ø200.0 mm with state-of-the-art dicing capabilities. Custom designs are always welcome.

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Freedom of Freeforms
From: **Optimax Systems Inc.**

Optimax continues to push the limits of complexity, quality and speed. Customers trust Optimax to create high-quality optics and deliver them fast, and our freeforms are no exception. Designing with freeforms requires fewer elements, lighter weight and increased flexibility for your system.

Visit us: Booth 532

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Meridian® Focusing Target Projector (FTP)
From: **Optikos Corporation**

The Meridian® FTP is a compact target projector that can help measure the performance of small aperture cameras in both the Meridian® FLEX and Starfield systems, or serve as a standalone object generator in your custom test setup. Use FTPs as building blocks for camera testing at multiple conjugates, placing them where they are needed in the field of view. Thoughtfully designed to maintain bore sighting to the barrel as the image travels smoothly over the focus range, you can depend on the FTP to stay on target in your application.

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High-Speed Polarization Modulation
From: **Hinds Instruments Inc.**

Hinds Instruments’ photoelastic modulators (PEMs) operate in the vacuum UV to mid-IR spectral regions at frequencies of 20 to 84 kHz. The PEM’s high-sensitivity (10-6), high-power handling capability and large apertures allow for polarization modulation in Astronomical Research, Remote Sensing, Materials Characterization and Research, Polarization Microscopy, and Pharmaceutical Research. Come by our booth and see what’s new!

Visit us: Booth 322

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STOP BY OUR BOOTH

Visit us at Optics & Photonics 2018 in booth 315. In addition to our latest issues of *Photonics Spectra*, *Biophotonics*, *EuroPhotonics* and *Industrial Photonics* magazines we will have a lot going on in our booth.

- Preview the books available in our online bookstore. Pick up a bookstore flyer with a discount code for your next order
- Pick up a copy of the 2018 Photonics Buyers’ Guide
- Charge your device at our charging kiosk
- Ask how you can get a free t-shirt
- Enter to Win a DESTEK V4 Virtual Reality Headset and a \$50 Amazon Gift Card
- Subscribe to or renew our magazines for FREE

And as always, you can visit us online at www.photonics.com