



SPIE Photonics West 2022



Biomedical Research, Innovation to Take Center Stage at SPIE BiOS

A rapid-fire Hot Topics session featuring talks on the latest in biomedical optics, from live analysis of embryonic development to deep learning-enabled optics, will be a centerpiece at SPIE BiOS — part of Photonics West 2022 — to be held Saturday and Sunday, January 22-23, at the Moscone Center in San Francisco. The event will take place in person once again and will feature a host of photonics companies offering a variety of technology for health and life science applications in its companion exhibition.

Read More

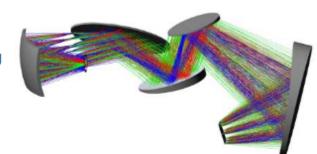


.: Featured Exhibitors

CODE V for Freeform Optics Design

From: Synopsys Inc., Optical Solutions Group

Optical designers are often tasked with correcting more aberrations and using fewer surfaces for compact applications ranging from medical instruments to AR systems. To support this design work, CODE V offers unique freeform design and optimization tools.



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ORCA-Quest qCMOS Camera

From: Hamamatsu Corporation

Unlock the ability to explore new territories in low-light, high-speed quantitative imaging with Hamamatsu's ORCA-Quest quantitative CMOS (qCMOS) camera. With an ultra-quiet, highly refined back-thinned sensor design, this camera is a unique precision instrument equipped with photon resolving capabilities. The ORCA-Quest qCMOS camera offers the quality and quantitative performance to detect meaningful data previously lost in the noise. Visit Hamamatsu at Photonics West 2022 (booth 1227).



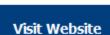
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All-glass Optical Fibers for LIDAR

From: Coractive

Coractive series of all-glass Er/Yb double-clad fibers are the next step towards a new generation of amplifiers for LIDAR applications in the eye-safe 1550nm range. Our active Erbium/Ytterbium co-doped fibers feature all-glass design and HTA coating to meet high-temperature requirements for automotive applications. They are optimized for high reliability and efficiency while delivering excellent beam quality and suppressing parasitic 1 µm ASE. Matching passive fibers are also available.



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Precise Aspheric Lens Measurement

From: TRIOPTICS GmbH

TRIOPTICS presents its leading centration measurement system OptiCentric® 101 Dual equipped with a new motorized tool stage and the noncontact distance sensor AspheroCheck®. This combination is a versatile tool used for testing spherical and aspherical single lenses, alignment, and measurement of lens systems. The new motorized positioning of the distance sensor guarantees high-positioning accuracy as well as superior repeatability compared to the established manual solution.



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