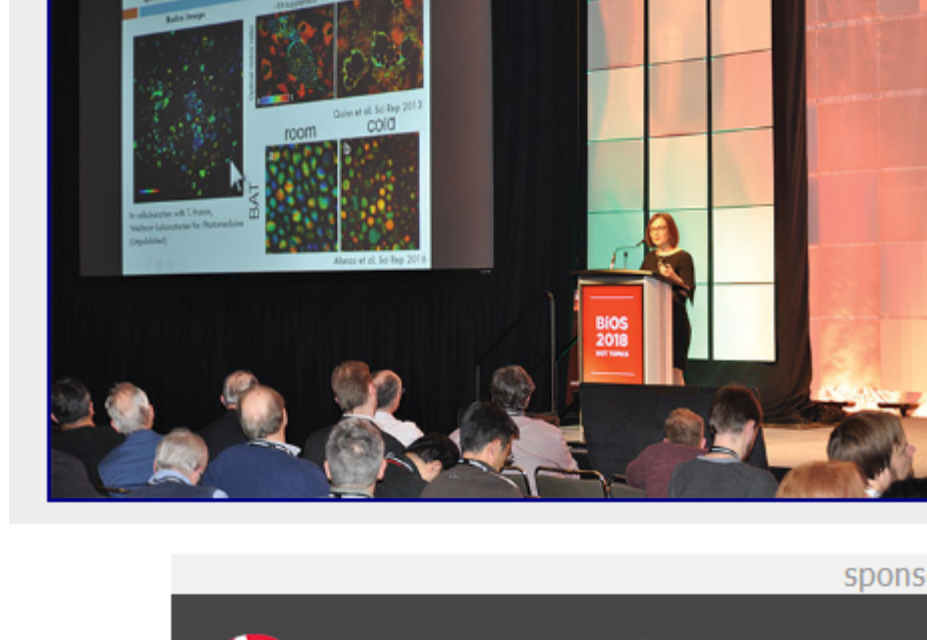




Photonics West 2019 – San Francisco, CA

February 2-7, 2019
An advance look at the products, trends and technologies being presented.



Research, Innovation Lead SPIE BiOS 2019
SPIE's BIOS conference and exhibition is renowned worldwide as one of the most important events in the biophotonics industry. It brings together researchers, professors, students, companies, and other industry experts for a weekend of biomedical optics, diagnostics, imaging modalities, neurophotonics, and more. BIOS 2019 will be held at the Moscone Center in San Francisco, Feb. 2-3, as part of SPIE Photonics West.

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Featured Exhibitors

FPGA Embedded Vision Board
From: Critical Link LLC
MitySOM-A10S, open architecture ARM and FPGA Image Processing Board: Available in multiple configurations to suit a wide range of industrial embedded vision applications. Production-suitable, long lifespan, with available design support from Critical Link. Visit Photonics West booth #240 to view the MitySOM-A10S and other industrial-quality embedded imaging platforms ranging from <1 MP up to 50 MP.

Visit us: Booth # 240

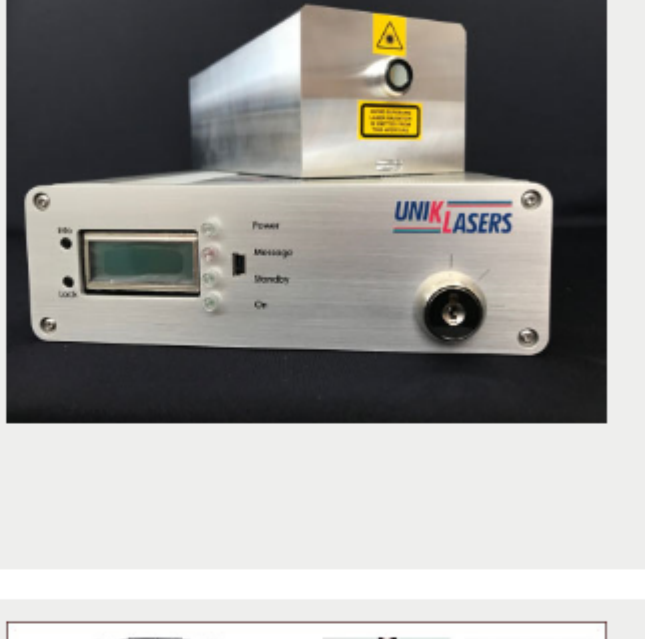
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780.24 nm SLM DPSS Lasers for QT
From: UniLasers Ltd.
UniLasers is a UK-based Single-Frequency DPSS laser manufacturer. The company is presenting the new Solo-780.24 nm with 50 mW output power alongside their mid and high-power CW lasers, including 698, 640, 532 nm and the new generation of UV at 320 nm and 266 nm. The 780.24 nm wavelength, a match for the Rubidium Clock transition, has been long awaited by Quantum Technologies' research community. UniLasers is developing other QT-wavelengths for Optical Lattice Clocks.

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Glass Processing and Automation
From: NYFORS Teknolog AB
The NYFORS SMARTSPLICER is a CO2 laser glass processing system designed for the production of high power and sensitive photonics components. It offers contamination free splicing and tapering, bundling and many other glass shaping processes. NYFORS provides automated high precision solutions for fibre preparation such as stripping, cleaving, recoating, cleave quality inspection, proof testing and analyzing. We also offer custom sub-micron machine vision alignment systems for optical component manufacturing.

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Electro-Optical Crystal Device
From: Inrad Optics Inc.
Pockels Cells provide fast switching of the polarization direction of a laser beam. Our Model PKC26 offers best in class performance with a large aperture, high transmission, and long life operation. The crystal cells are specifically made for wavelengths from 266 nm to 1064 nm. We grow our own crystals at Inrad Optics ensuring the highest quality available. Choose from either BBO or DKDP based Pockels Cells depending on power and frequency.

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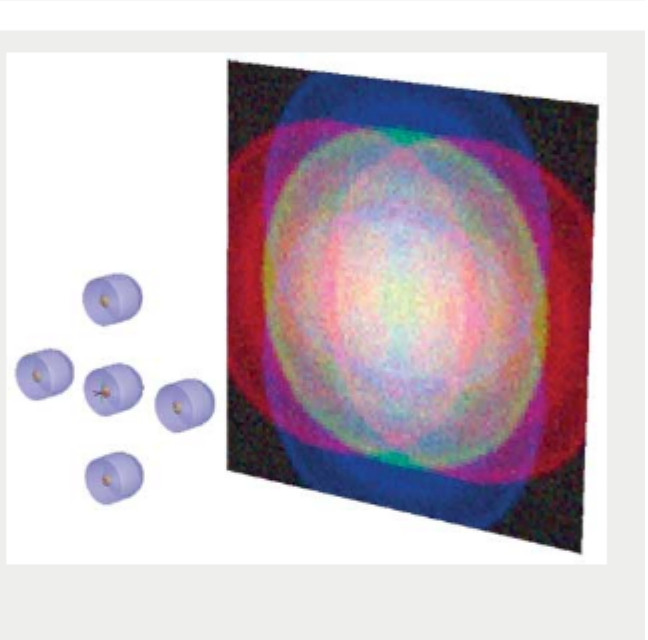
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FRED^{MPC}
From: Photon Engineering LLC
Unleash your engineering creativity and inquisitive mind with FRED^{MPC}. Predict performance with higher confidence by tracing orders of magnitude, more rays, through your system. Experiment by varying more parameters to find the optimum hardware configuration. Ask more "What if...?" questions. Investigate a larger trade space in a fraction of the time. Run more analyses at higher fidelity than ever before. It's all possible with FRED^{MPC}.

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Taiko – Your Rhythm. Our Light.
From: PicoQuant GmbH
Take full control over your diode laser heads with Taiko, PicoQuant's first smart picosecond pulsed laser driver! Able to identify and monitor many parameters such as optical output intensity, temperature, and repetition rate, Taiko offers unmatched operational flexibility with local and remote interfaces. Using a laser has never been more enjoyable.

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High-Resolution Spectrum Analyzer
From: Bristol Instruments Inc.
The Laser Spectrum Analyzer from Bristol Instruments operates as both a high-resolution spectrum analyzer and a high-accuracy wavelength meter. With spectral resolution up to 2 GHz, wavelength accuracy as high as ± 0.0001 nm, and an optical rejection ratio of more than 40 dB, this instrument provides the most complete analysis for scientists and engineers who need to know the spectral properties of their lasers.

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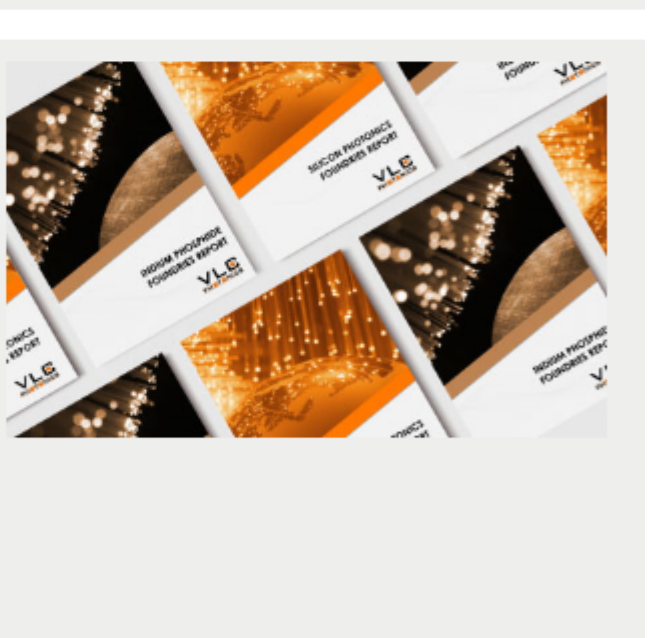
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Photonics Foundries Technical Reports
From: VLC Photonics SL
With over a decade experience as a fabless photonic design house offering independent services for the development of Photonics Integrated Circuits, VLC Photonics is now releasing their third technical report. After the success of the Silicon Photonics and the Indium Phosphide Foundries Reports, VLC Photonics has released the Photonic Packages Report to provide your company with consolidated and factual information to facilitate the right packager selection for your integration project.

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The World's First Immersion Grating
From: Canon U.S.A. Inc., Industrial Products Div.
Canon successfully developed the world's first immersion grating contributing to progress in cosmological observation. It expands the range of observable infrared frequencies for spectroscopes, the critical devices of astronomical telescopes and man-made satellites, enabling retrieval of further information contained within light emitted from space. It can reduce spectrometers to 1/27th volume of those equipped with typical reflective elements that cover the same frequencies while overcoming restrictions on size and weight.

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New FemtoFiber Ultra 920
From: TOPTICA Photonics Inc.
The FemtoFiber ultra 920 is the new member of TOPTICA's third generation ultrafast fiber lasers. The system delivers laser pulses of pulse duration of less than 100 fs at a central wavelength of 920 nm with more than 1 W of average output power. The cost-effective and maintenance-free design of the laser is optimized for OEM integration featuring a compact and cold laser head that is connected to a 19" rackmount control and supply unit.

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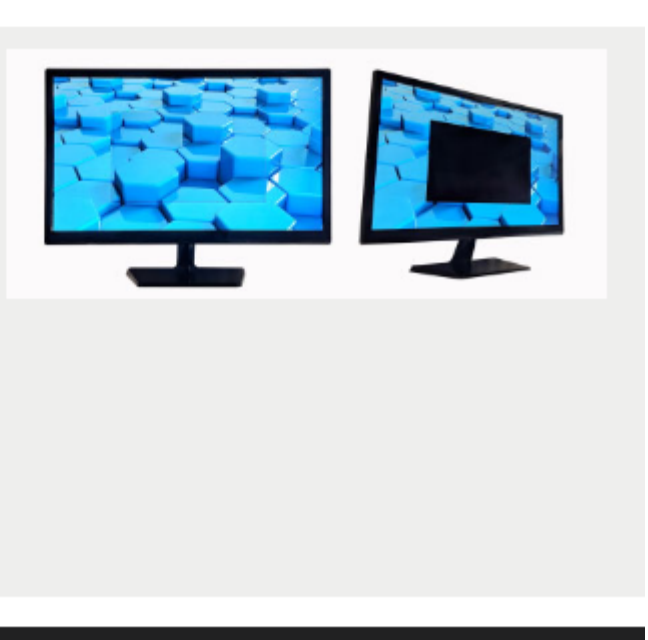
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DARC Glass
From: Incom Inc.
DARC Glass uses an internal absorption matrix to control the visibility of the light and images that pass through it. Observers within the specified viewing angle see bright, clear images; outside the viewing angle the image is completely black. DARC Glass provides a highly customizable method to control visibility, privacy, and reflections of LCD displays. Visit our booth to see our DARC Glass on display and our new logo/corporate branding.

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