

sneak PREVIEW



OFC 2017 – LOS ANGELES

Mar. 19, 2017 - Mar. 23, 2017

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



OFC: A Comprehensive Optics Assembly

The Los Angeles Convention Center — from March 19 to 23 — will host the Optical Fiber Communication Conference and Exhibition. This largest global conference and exhibition for optical communications brings together some of the industry's biggest players, sharing insight on market and technology trends, as well as key partnering opportunities.

The latest technology and products come to life at OFC, from devices and fibers for high-speed data center links to network architectures and applications enabled by SDN (Software Defined Networking). In the spotlight this year will be talks about the potential of optical innovations for next-generation 5G networks, Internet of Things (IoT), Artificial Intelligence (AI), and Virtual Reality (VR). OFC also offers an extensive technical program, courses and other such events.

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Featured Exhibitors

LDC-3916 Modular LD Controller

From: Newport - ILX Lightwave, Photonics

The LDC-3916 Modular platform features sixteen configurable channels with up to thirty-two isolated outputs for controlling multiple laser diodes. This mainframe houses driver, thermoelectric controller, and combination driver/thermoelectric controller modules and is ideal for characterizing, analyzing, and verifying laser diodes used in various Telecom/Datacom applications.

All of ILX Lightwave's instruments feature unmatched laser diode protection to protect your investment from the start of R&D to shipping product out the door.

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Polymer Coatings for Fiber Optics

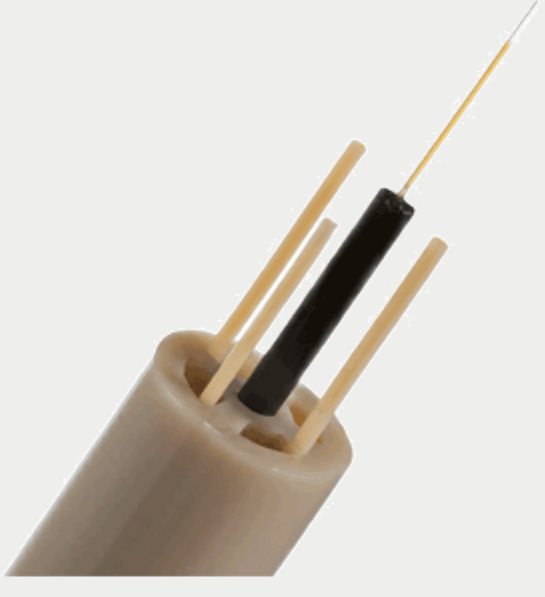
From: Zeus Industrial Products

With over 50 years experience, we have become the global leader in performance extrusions for fiber optics. Our thermally stable PEEK fiber optics coatings provide the strength and temperature resistance for sustained performance of your fibers up to 260 °C! Our sheathing products and multi-lumen extrusions also deliver the ultimate in abrasion, chemical, and radiation resistance to protect fragile fiber optics. Visit us at www.zeusinc.com to learn more.

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PCB Mount InGaAs Photodiodes

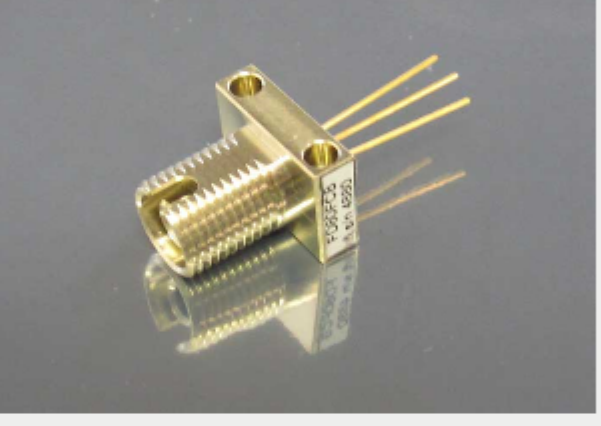
From: Fermionics Opto-Technology

Fermionics Opto-Technology offers PC Board mountable InGaAs photodiodes with active diameters of 80 μm, 100 μm, 150 μm, and 300 μm. These modules are based on TO46 headers with ball-lens. Compatible input fibers include single-mode, and multi-mode fibers up to 100/140, depending on the photodiode active diameter. Receptacle choices include FC, SC, and ST.

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New Test Equipment & Fiber Optic Components

From: OZ Optics Limited

OZ Optics is introducing a new line of test equipment & fiber optic components (400 to 2000 nm). High-speed polarization controller/scrambler, 330 ps electrically/manual controlled optical delay line, fiber length meter, electrically controlled/manual variable broadband tunable filter, low-cost smart detector power meter head, benchtop polarization extinction ratio meter, backreflection meter, digital variable attenuators, bare fiber adaptor with magnetic clip, and Teledcordia GE-468 qualified directional optical taps/power monitors.

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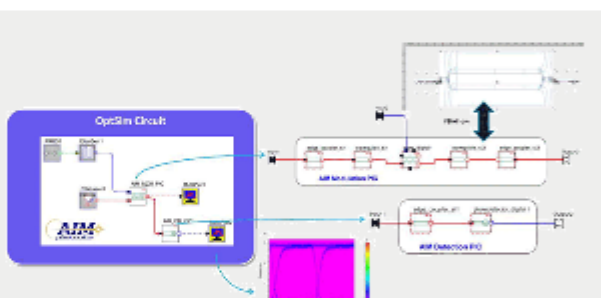
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Synopsys' RSoft Photonic System Design Suite

From: Synopsys Inc., Optical Solutions Group

The new release of the RSoft Photonic System Design Suite accelerates the design of state-of-the-art optical communications, including silicon photonics, photonic integrated circuits (PICs), data center links and automotive links.



Attend demos on PIC design using RSoft OptSim Circuit and Phoenix Software OptoDesigner at Synopsys Booth 2519 at OFC 2017. Email optics@synopsys.com for details.

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Fastest Multi-Wavelength Meter

From: Bristol Instruments Inc.

The model 438 measures wavelength, power, and OSNR of up to 1000 optical signals. Wavelength is measured to ± 0.3 pm, power is measured to ± 0.5 dB, and OSNR is calculated to > 40 dB. With key features such as high accuracy and fast measurement rate of 10 Hz, the model 438 provides the most precise and efficient WDM wavelength testing available for greater manufacturing productivity.



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High-Speed Photoreceivers

From: Newport Corporation

The 22 and 38 GHz (14X4) photoreceivers are high-speed measurement devices for optical waveforms. These modules convert optical signals to ultra-clean electrical signals and can be used to provide every high-speed/high-frequency instrument in your lab an optical input. The 40 & 45 GHz photoreceivers make ultra high-speed measurements of more than 40 GHz easy. Equipped with a DC-bias monitor that has a transimpedance gain of 1 mV/μA and a 50 kHz bandwidth.



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1936-R/2936-R Optical Power Meters

From: Newport Corporation

These RoHS compliant optical power and energy meters are of the most sophisticated in the market. These instruments feature femtowatt level sensitivity and extreme versatility. The data acquisition rate up to 10 kHz with high bandwidth design allows measuring not only CW lasers but also modulated or pulsed light sources. No matter what the applications are and how demanding the measurements, the 1936-R/2936-R and a Newport detector is all you need.



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PHOTONICS MEDIA



PICK UP THE LATEST ISSUES OF PHOTONICS SPECTRA

Photonics Spectra magazine celebrates 50 years in 2017! Read the latest coverage of photonics in our January, February and March issues.

January issue

Besides highlighting the 50th year of *Photonics Spectra* magazine, this issue has an entire section dedicated to Trends in Integrated Photonics. This special section includes articles on how integrated photonics is shaping Medicine and Life Sciences, Defense and Aerospace, Data Centers and Telecommunications, and Quantum Communications and Information Processing.

February issue

Included in this issue is the feature article Big Data Drives Optical Networking Changes. Read up on how the unquenchable demand for bandwidth is driving innovations such as the combining of packet and dense wavelength division multiplexing technologies.

March issue

For Optical Fiber, More Bandwidth Looms covers how engineering improvements to fiber, as well as enhancements to detectors and sources, aim to improve capacity for long-haul networks and data centers.

Look for *Photonics Spectra* magazines in the OFC 2017 Pub Bins, located in the Registration Area.

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