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Issue # 1 Tuesday, April 30, 2019

sneak PREVIEW

PHOTONICS MEDIA

CLEO 2019 – San Jose McEnery Convention Center - San Jose United States

May 5-10, 2019

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

Innovations in Quantum Computing, Brain Imaging Among Highlights of CLEO 2019

Scalable quantum computing. Multiphoton microscopy for noninvasive brain imaging. The latest chapter on laser-matter interactions. These subjects and more are among the highlights of CLEO 2019, which is set to convene May 5-10 at the San Jose McEnery Convention Center. CLEO highlights the latest applications, market-ready technologies, and cutting-edge research in all areas of lasers and photonics with six days of technical sessions, tutorials, exhibits, special symposia, short courses, plenary sessions, and other special events.

San Jose McEnery Convention Center. Courtesy of San Jose Convention & Visitors Bureau.

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Featured Exhibitors

C-WAVE: The Visible Tunable Laser

From: HUBNER Photonics

The C-WAVE is a unique single frequency, tunable, CW OPO, covering 450 nm-650 nm and 900 nm-1300 nm. In the region 450 nm-650 nm output powers of up to 200 mW are available, while at 900 nm-1300 nm output powers up to 400 mW are available. C-WAVE has been developed as a high-precision and versatile laser serving demanding applications in atomic physics and quantum optics.

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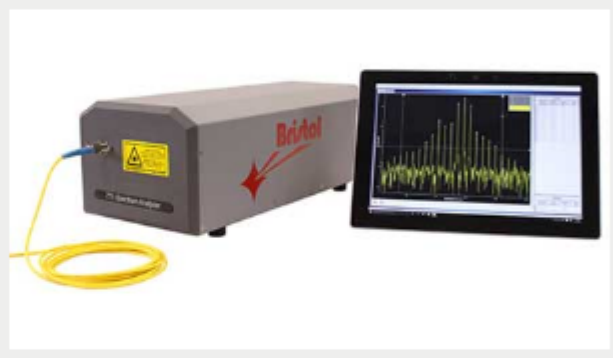
High-Resolution Spectrum Analyzer

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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Improved PEM Performance & Design

From: Hinds Instruments Inc.

The new PEM200 offers improved signal-to-noise and increased stability at low modulation with the same modulation purity and high sensitivity you've come to expect from Hinds' PEMs. Optional on-board synchronous detection is available for signal analysis.

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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/manual 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.

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Unrivaled Precision With the WS8

From: TOPTICA Photonics Inc.

Updated optics and software specifically adapted to photonic crystal fibers allows the HighFinesse WS8 wavemeter the ability to measure the whole sensor range of 330-1180 nm or 630-1750 nm at ultra-high wavelength accuracy (< 2 × 10-8). Each device includes an optical multichannel switch which allows the user to simultaneously measure and control several lasers at any wavelength within the sensor range.

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Taiko – Your Rhythm. Our Light.

From: PicoQuant GmbH

Take full control over your diode laser with Taiko, PicoQuant's smartest picosecond driver! Able to identify and control many pulse parameters, Taiko also offers unmatched operational flexibility. Thanks to its intuitive local and remote user interfaces, operating a laser has never been more enjoyable.

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