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PREVIEW

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CLEO 2024




CLEO Heads to the East Coast

Featuring more than 2000 technical sessions across 29 topic categories, plus plenary sessions, special symposia, and short courses, the Conference on Lasers and Electro-Optics (CLEO) 2024 kicks off at the Charlotte Convention Center in North Carolina, May 5-10. Topics to be covered range from breakthrough ideas to real-world applications in quantum photonics, laser based manufacturing, and fiber optics.


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Lasers - Combs - Controls

For the Lab & Field



Featured Exhibitors

[872 Series Laser Wavelength Meter](#)

From: Bristol Instruments Inc.

Bristol's New High-Resolution 872 Series Laser Wavelength Meter is ideal for the frequency stabilization of lasers. This system offers a frequency resolution as high as 200 kHz, which results in exceptional sensitivity to wavelength deviations. With a built-in PID controller and 1-kHz sustained measurement rate, the 872 system is well suited for laser stabilization applications such as atomic cooling and trapping. Visit us at Booth #208 to learn more.

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[High-Speed Polarization Modulation](#)

From: Hinds Instruments Inc.

The PEM200 has a digital controller with USB 2.0 and Ethernet communication and optical enclosures with sleek, compact designs. Benefits to using the PEM200 are increased stability at low modulation, increased signal-to-noise for short wavelength applications, modulation purity, and high sensitivity (10⁻⁶). The PEM200 allows seamless integration into your optical setup in applications such as Astronomical Research, Remote Sensing, Materials Characterization and Research, Polarization Microscopy, and Pharmaceutical Research. Visit us at Booth #17.

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[FFC-100 Fiber Frequency Comb](#)

From: Vescent Photonics LLC

The FFC-100 is a fully stabilizable, octave-spanning fiber frequency comb. Through the precise control over the repetition rate (f_{rep}), an optical reference frequency (f_{opt}), and the carrier-envelope offset frequency (f_{CEO}), the FFC-100 allows the transfer of the exquisite stability of a high-performance laser to far-removed portions of the EM spectrum. The complete frequency comb is designed and built to ensure stable, low-phase noise operation with Allan Deviations supporting the next generation of optical clocks. Visit us at Booth #203.

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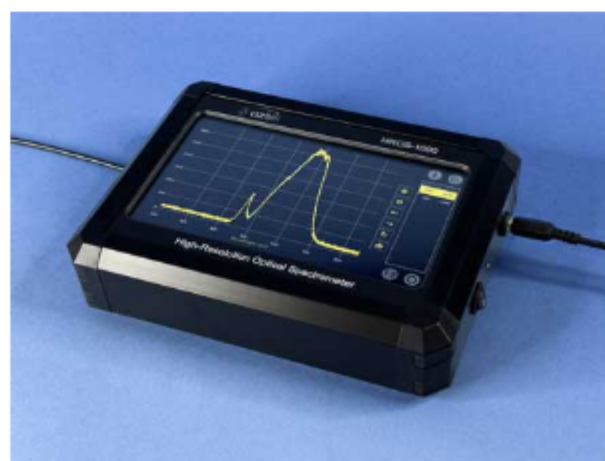
[Handheld Optical Spectrometers](#)

From: OZ Optics Limited

OZ Optics offers a handheld optical spectrometer for ultraviolet to near-infrared wavelengths. The design features a special transmission grating and custom coatings for exceptional sensitivity and signal-to-noise ratios. A touchscreen display and intuitive user interface provide ease of use, while a USB interface enables detailed computer analysis. An OEM version is offered for custom applications. Visit us at Booth #105.

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