







Hyperfine Spectrometer

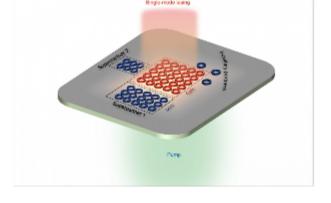
A sub-picometer resolution spectrometer in a compact package.

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2D Microlaser Arrays Give Integrated Photonic Systems a Boost Researchers from the University of Pennsylvania and Duke University

designed and built 2D arrays of closely packed microlasers that demonstrated the stability of a single microlaser, and that collectively achieved power density that were orders of magnitude higher.

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School of Basic Sciences have developed a technology that produces silicon nitride integrated photonic circuits with low optical losses and small footprints. The team combined nanofabrication and material science, based on the photonic Damascene process developed at EPFL, to make integrated circuits of optical losses of only 1 dB/m.

Integrated Photonic Circuits Demonstrate Ultralow Loss Researchers at École polytechnique fédérale de Lausanne's (EPFL's)

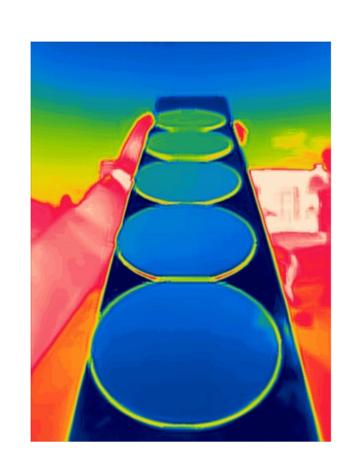
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Researchers from UCLA have demonstrated a class of optical materials

Optical Tech Improves Heat Transfer

that control how heat radiation is directed from an object. The advance could improve the efficiency of energy conversion systems and enable more effective sensing and detecting technologies. Read Article



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LightMachinery Inc.

Spectrometer

HyperFine Brillouin

that the scattered signal from the un-shifted wavelength of the laser can overwhelm the small Brillouin shifted return signal. LightMachinery has combined its leading-edge HyperFine spectrometer with a very narrow band tunable filter to suppress the bright un-shifted laser frequency. The tunable filter is easily adjusted...

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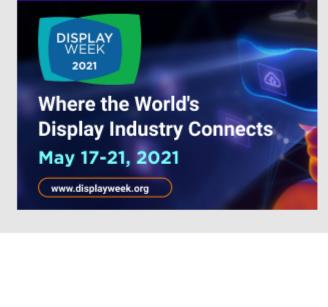
Sheaumann Laser Inc.

High-Power Tall TO-Can

Sheaumann's Tall TO-Can has improved upon a favorite in the industry, bringing you a high-power, continuous-wave, single-mode option up to 600 mW. Thoughtfully

designed to fit into any system. The cap features a taller ridge that allows the chip to be mounted vertically, with a wide emitter enabling even more power than before. Visit Website Request Info

engineered to be as compact as possible, it is



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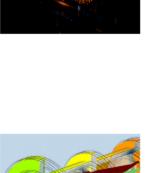
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US Army to Incorporate LiFi Technology Read Article

Tue, May 11, 2021 12:00 PM - 1:00 PM EDT This webinar with Peter McMahon, Ph.D., will describe how photonics plays a central role in several of



webinar is the second presentation in Hamamatsu's Quantum Technologies Series, presented by Hamamatsu Corporation.

Photonics in Quantum Computing and Quantum Networking

Improving the Design of Optical Devices Through STOP Analyses Wed, May 12, 2021 2:00 PM - 3:00 PM EDT There is an ever-increasing interest in structural-thermal-optical performance (STOP) analysis for

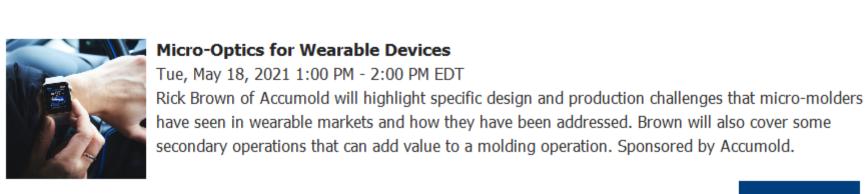
optical systems, in which temperature change and structural loads affect the optical performance. In

Technologies will join Christopher Boucher of COMSOL to discuss the development of STOP solutions

this presentation, guest speakers Kyle Koppenhoefer, Ph.D. and Joshua Thomas from AltaSim

the leading candidate technologies for building quantum computers and quantum networks. This

session. Presented by COMSOL, Inc. Register Now



for optical devices. The webinar will also include a live demo in the COMSOL Multiphysics® software and an open Q&A

Micro-Optics for Wearable Devices Tue, May 18, 2021 1:00 PM - 2:00 PM EDT

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