







Hyperfine Spectrometer

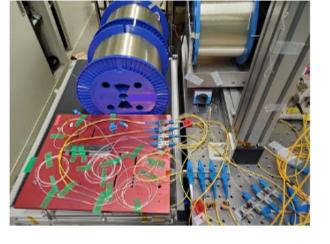
A sub-picometer resolution spectrometer in a compact package.

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Researchers Break Record for Long-Distance Broadband Data Transmission over 4-Core Optical Fiber

A research team led by Benjamin J. Puttnam at the National Institute of Information and Communications Technology (NICT) reported that it transmitted data over a distance of more than 3000 km (1860 miles) at a rate of 319 Tbit/s and a transmission bandwidth of greater than 120 nm, across the S-, C-, and L-bands.

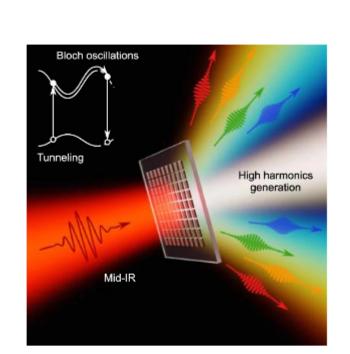
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Nanostructures Allow High Harmonic Generation with Pulsed Lasers Cornell University researchers have developed nanostructures that

enable record-breaking conversion of laser pulses into high-harmonic generation. The work paves the way for new scientific tools for high-resolution imaging, as well as the study of physical processes that occur at the scale of an attosecond.

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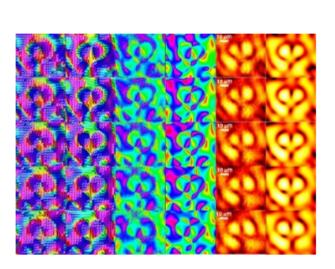


ApplicationsA group led by Federico Capasso at the Harvard John A. Paulson

On-Demand Optical Singularities Strengthen Range of

School of Engineering and Applied Sciences (SEAS) has broadened the study of optical singularities to include to zero-dimensional (point) and 2D (sheet) optical singularities. The group developed a way to engineer 2D singularity sheets on demand.

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Photonics Media

Optical Fabrication

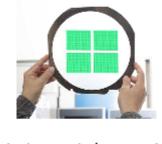
Optical Fabrication is a new

Optical Fabrication book for anyone working on or interested in the methods, materials and measurement techniques used in modern lens and optical component manufacturing. The

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instruments have various uses in medical

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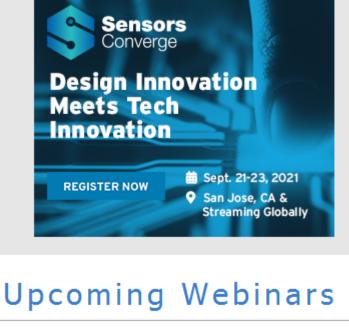
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Thu, Aug 12, 2021 1:00 PM - 2:00 PM EDT In this webinar, Liang Jiang, Ph.D., professor at the University of Chicago Pritzker School of Molecular

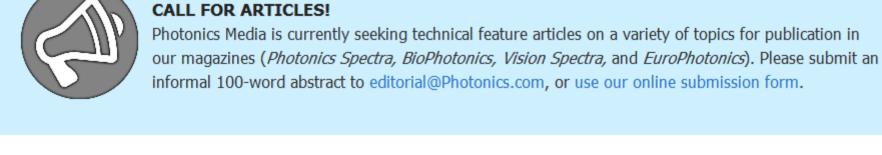


distances. The end goal: global quantum networks, realized. This webinar is the third presentation in Hamamatsu's Quantum Technologies Series, presented by Hamamatsu Corporation.

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