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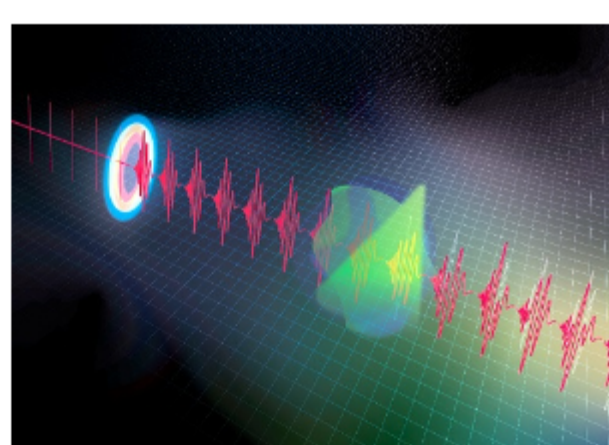
Hyperfine Spectrometer
A sub-picometer resolution spectrometer in a compact package.

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Infrared Spectroscopy Moves to the Fast Lane

Researchers at the University of Tokyo have developed a technique to drastically increase the speed of infrared spectroscopy. The technique, time-stretch infrared spectroscopy, surpasses dual-comb spectroscopy nearly 10x over.

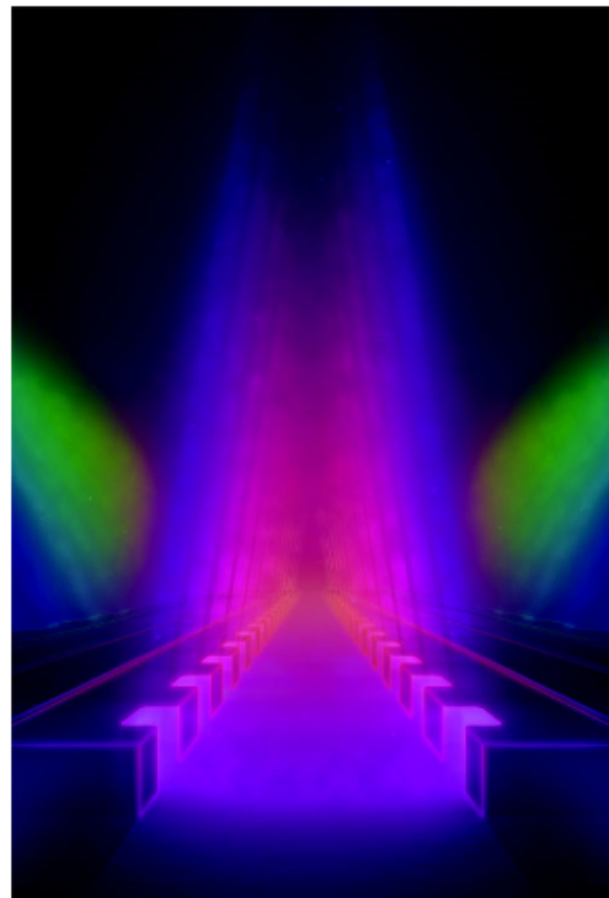
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Stanford Scientists Trap and Redirect Light with Resonant Nanoantennas

Researchers in the lab of professor Jennifer Dionne at Stanford University have structured ultrathin silicon chips into nanoscale bars to resonantly trap light, and then release or redirect it later.

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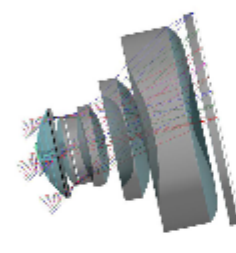
Photonic Integrated Circuits Could Gain Efficiency, Reduce Size with New Modulator

To achieve energy efficiency and operational speed within a smaller device, electrical engineers at the University of Rochester have used a thin film of lithium niobate (LN) bonded on a silicon dioxide layer to create a miniaturized LN modulator. The engineers have created what they believe to be the smallest electro-optic modulator ever reported.

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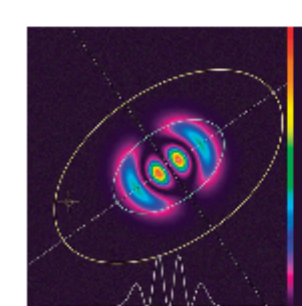
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Principles of Laser Beam Profiling

Wed, Sep 16, 2020 1:00 PM - 2:00 PM EDT

Laser users often wonder if they need to profile their lasers, but may have nagging doubts as to why. In this talk, presented by Ophir, sales director Derrick Peterman, Ph.D., will outline the standard techniques involved with beam profiling and the key practices that produce reliable beam profiling results, as well as instrumentation, issues related to attenuation, and real world applications.

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