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Top Stories

Wearable Displays

and efficiency while maintaining the flexibility of the fabric. These fabrics could lead to soft wearable displays that bend and move with the wearer. Silicone-based LED

Fabric-Based OLEDs Could Support Commercialization of

Researchers have developed fabric-based organic LEDs that show high luminance

jackets, shirts and stage costumes are already available, but the intrinsic stiffness of inorganic semiconductors makes it difficult to use LED-based devices for everyday, comfortable clothing. Read Article 3 A B D



KV715







open new avenues for the synthesis of LIG. Because of its high electrical

various high-performance devices, such as hydrogen and oxygen electrodes for water splitting and supercapacitors for energy storage.

conductivity, graphene patterned on wood surfaces could be fabricated into

on a block of pine using CO₂ laser scribing. Turning wood into graphene could



Digital

THz beam

encodina

Micromirror Device

To single-elen

SPIE.

Accelerate Imaging Speed A terahertz (THz) imaging technique has been developed that is compatible with

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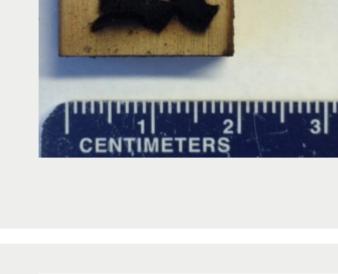






adaptive and compressive sensing algorithms. The technique was used to demonstrate image reconstruction at subwavelength dimensions, and could

potentially allow three-times-faster image acquisition than conventional



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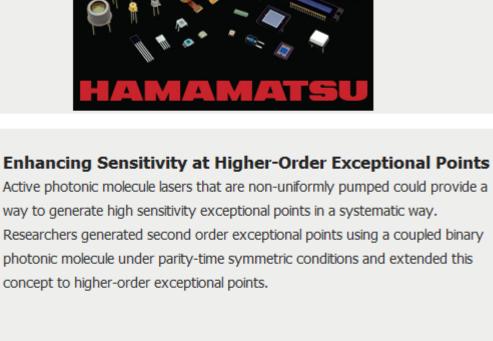
technologies.











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The optical response of an externally probed laser cavity was monitored before and after gain clamping to reveal the underlying mechanisms of the cavity's

Optical Responses

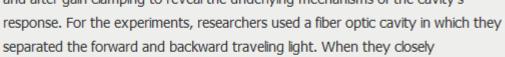
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direct insight into the role of causality.



3 A B D



investigated the dynamics of directional energy flow in the cavity as gain was

increased, what they found related to fundamental physical principles and offered

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LightMachinery Inc.

The Hornet Spectrometer achieves the resolution of large grating

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larger wavelength range. Simple PC based software allows the user

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Industry Events

Sensors, IR, laser systems, spectral imaging, radar, LiDAR, and more. Abstracts due 9 October

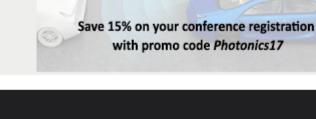
14th Confocal Raman Imaging Symposium September 25-27, 2017 - Stadthaus Ulm - Ulm Germany At the 14th Confocal Raman Imaging Symposium, speakers from academia and

industry will present their scientific achievements and talk about several aspects of modern Raman imaging. The poster session will provide an opportunity to learn

Raman microscopy. The three-day conference will give participants plenty of time

Webinars Learn Efficient Light Pipe Design Using Virtual Attendees will learn how to design better, more efficient light pipes using Lambda Research's TracePro software - a 3D CAD virtual prototyping program with the power and tools to simulate and design light pipes. The presenter will demonstrate effective methods and detailed procedures for simulating light propagation in a

more about recent scientific results in Raman imaging from various fields of applications, while the equipment demonstration will offer a detailed introduction to the operational principles and instrumental configurations relevant to confocal



for in-depth discussions and close interaction with leading scientists and users of WITec microscope systems. More Info

Prototyping Tue, Sep 19, 2017 1:00 PM - 2:00 PM EDT

light pipe model, analyzing cross-talk effects, producing desired output objectives, and optimizing models for efficiency and output. This webinar is for anyone designing light pipes, especially for automotive and avionic displays, industrial manufacturing, consumer electronics applications and medical devices. It's presented by Lambda Research Corporation. Register Now sponsors CITE A 12-Lecture Course in Technology Commercialization By Dave Krohn

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