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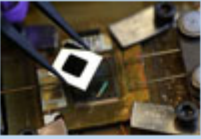


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New Device Makes Better Use of Sunlight

A team at MIT discovered a way to harvest solar energy more efficiently and potentially on demand. The new solar thermophotovoltaic device combines photovoltaic systems, which turn sunlight directly into electricity, and solar thermal systems, which allow delayed use of energy since heat can be stored more easily than electricity. The device also offers scalability and compactness because it is based on existing chip-manufacturing technology, and its reliance on heat offers ease of energy storage.

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Spectroscopy Used to Probe Subsurface Structures

A new spectroscopy technique, developed using the Advanced Light Source at Lawrence Berkeley National Laboratory, could provide a clearer picture of subsurface layers in an electronic structure, researchers said.

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ITC Rules on Avago, Mellanox Patent Dispute

Mellanox Technologies Ltd. and Avago Technologies both claimed victories in recent rulings by the International Trade Commission in an ongoing patent dispute covering vertical-cavity surface-emitting laser technology and drivers.

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MIT Develops Transparent Projection Screen

A team from MIT, Harvard and the U.S. Army has developed an inexpensive transparent projector screen using a resonant nanoparticle scattering technique.

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CyberOptics Acquiring 3-D Metrology Firm

CyberOptics Inc. acquired Laser Design Inc. for \$3 million, allowing for enhancement of its 3-D sensor technology to target a growing global market.

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Detector Details Laser Pulse Waveforms

A new glass-based detector for measuring pulsed laser radiation offers complete control over its waveform, a necessary development for highly sensitive and reliable measurements of ultrafast physical processes.

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NIST System Helps Police Pinpoint Laser Attacks

NIST has developed a simple, accurate measurement system to help law enforcement handle the growing aviation threat of laser attacks.

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Soliton Behavior Observed in Silicon Photonics

An on-chip soliton compression for the first time has been observed in a silicon photonic crystal, representing a breakthrough in the design of future integrated optical communications systems.

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Agilent Joins Picometrics in Biopharma Deal

Agilent Technologies Inc. and Picometrics Technologies signed a co-marketing agreement to improve efficiency in the research and development of complex large-molecule biopharmaceutical compounds.

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Measuring Optical Densities Over 10 Abs on the Agilent Cary 7000 Universal Measurement Spectrophotometer (UMS)

Agilent Technologies, Inc., Chemical Analysis

High blocking optical filters deliver critical optical control in a wide variety of consumer and industrial products. Highly attenuating (i.e., high optical density) filters are used in personal protective equipment, such as laser safety eyewear, through to precise, low light level control in optical systems for enhanced sensitivity at preferred wavelengths. This technical overview demonstrates the performance of the Cary 7000 UMS for the measurement of such materials.

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Industry Events

SPIE Photonics West 2014 - February 1 - 6, 2014 - San Francisco, CA

Visit Photonics Media at Booth 700 & 701



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In 2013, the exhibition sold out with more than 1234 companies. This year's exhibition will include five days of presentations, courses, and special events that offer opportunities for face-to-face interaction with potential customers.

The Job Fair will be held in conjunction with the SPIE Photonics West Exhibition. An 'Exhibit-Only' badge or any other type of Photonics West badge is needed to enter the exhibit hall. Upload your CV or resume in advance to be found by employers. In-person attendance is not required to upload your resume.

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