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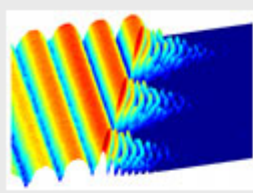
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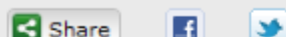
Thursday, September 18, 2014

Photons Act Like Liquid, Crystal in Experiment



A system for "crystallizing" photons could help answer fundamental questions about quantum physics. In an effort to develop exotic materials such as room-temperature superconductors, a team from Princeton University has locked together photons so that they became solidly fixed in place.

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Advanced Photonix Awarded \$1.6M Navy Contract

Advanced Photonix Inc. has been awarded a \$1.6 million contract to develop custom photodiodes for the U.S. Navy.

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New Fluorescence Marker Enhances Bio-Imaging

A new line of red-shifted fluorescent tissue markers may enhance deep-tissue imaging.

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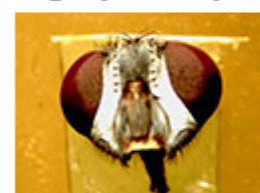
Imaging Gauge

Applied Image
The IMAGING GAUGE™ quality analysis system was developed by APPLIED IMAGE, Inc. to address the growing need to standardize the assessment of camera image quality.

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Bug Eyes Inspire Practical Light, Sensor Designs



The compound structure of a fly's eye could become a blueprint for future sensors and light sources.

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Technique 'Pre-Corrects' Microscope Illumination

A new adaptive optics technique focuses laser light through dense tissues without the need for an invasive guide star.

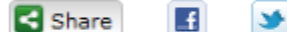
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Nutfield Names Longmuir New COO

Mark Longmuir has joined laser scanning firm Nutfield Technology as chief operations officer.

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Nanowire Detector Assists Three-Photon Entanglement

An ultrafast, super-efficient single-photon detector has led to direct entanglement of three photons.

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Thin Films Make Certain QDs Glow Brighter



Using thin-film metal oxide substrates for quantum dots could turn them into more efficient light emitters.

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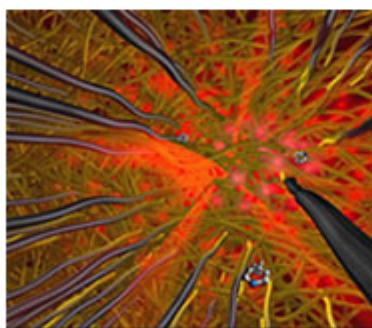
Oderkerk and Uusimaa Join EPIC Board of Directors

Two company executives have joined the board of directors of the European Photonics Industry Consortium.

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WEBINAR



Surface Enhanced Raman Spectroscopy: Methods and Applications

Friday, September 19, 2014 1:00 PM - 2:00 PM EDT

FREE WEBINAR



Tiziana C. Bond

This webinar will describe the technique of surface enhanced Raman spectroscopy (SERS). Limits and advantages will be highlighted in comparison to other analytical spectroscopic techniques. Presenter Tiziana C. Bond will provide a panoramic view of the current state of the art and future trends, taking the opportunity to describe the latest developments at Lawrence Livermore National Laboratory.

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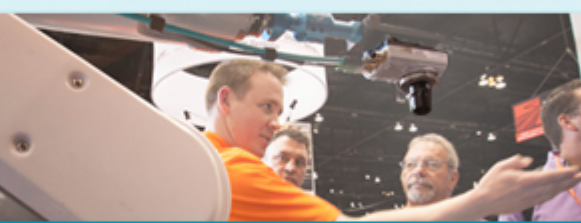
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