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Thursday, May 29, 2014

New Detector Harnesses THz Light Efficiently



A new take on traditional gauges and imaging systems could more efficiently harness THz frequencies that have long eluded detectors. Researchers have created a transducer, which turns THz light into ultrasound waves and then transmits them, making light-to-sound conversion possible.

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Enablene Tech Names New CEO

Enablene Technologies Inc. has named Evan Chen its new chief executive officer.

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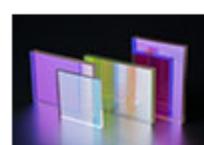
Optical Scanner Shines New Light on Brain

The next generation of optical neuroimaging touts effectiveness comparable to MRI and PET technologies, but has the ability to study areas of the brain that the others cannot.

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Products on PhotonicsBuyersGuide.com



Ultra-Flat Dichroic & Polychroic Filters

Allluxa

Allluxa, an emerging leader in next generation optical filters is pleased to announce ultra-flat dichroic and polychroic filters with very high levels of in band transmission.

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Precision Patterned Components

Max Levy Autograph

Max Levy Autograph specializes in ultra-precision patterned components and 3-D structures for the photonic, biomedical, mil-aerospace, semiconductor, and metrology industries.

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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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Linea™ Line Scan Cameras

Teledyne DALSA

The new Linea™ family of line scan cameras provides the uncompromising performance and rich feature- set found in Teledyne DALSA's high-end line scan cameras at an unprecedented price point.

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More Articles on Photonics.com

IR Imagers More Affordable with New Ultrathin Lens



An innovative ultrathin lens could lead to more affordable IR thermal imaging cameras.

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Nanophotonics Professor Recognized for Education Innovation

Eric Mazur of Harvard University has been awarded the Minerva Prize for Advancements in Higher Education for his "significant contributions to improving higher education."

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THz Technique Determines Paint Thickness

A new method for harmlessly characterizing coats of paint can help prevent a vehicle's body from rusting, and may have health and safety applications as well.

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In this edition of the industry's premier weekly newscast: An optical scanner shines new light on the brain, a new terahertz technique determines paint thickness, and an ultra-thin lens makes IR imagers more affordable.

Optometrics Adds Production Labs

Optometrics Corp. recently added two laboratories to its Ayer, Mass. facility, expanding the company's production capabilities.

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Nanosphere-Laced Polymer Changes Color Under Stress



A plastic film that changes color under stress could provide more detailed information in product safety testing and other areas where pressure and strain are measured.

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Goodman Prize Goes to Authors of Metamaterials Textbook

Vladimir Shalaev of Purdue University and Wenshan Cai of the Georgia Institute of Technology have been named the 2014 recipients of the Joseph W. Goodman Book Writing Award.

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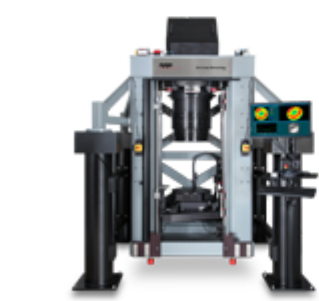


WEBINAR

Precision Radius Metrology

Wednesday, June 4, 2014 1:00 PM - 2:00 PM EDT

FREE WEBINAR



Bruce Truax, Manager of Optical Engineering at Zygo Corporation, will review methods of measurement of radius of curvature of optical components and the associated error sources. The presentation will discuss the uncertainty of the various methods and demonstrate radius metrology using an interferometric radius slide. The results of an inter comparison between three high precision workstations will be presented showing the ability to measure radius to less than 10 parts per million with the proper technique.



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Industry Events

CLEO 2014 - June 8-13, 2014 · San Jose, Calif.

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The Conference on Lasers and Electro-Optics (CLEO) unites the field of lasers and electro-optics by bringing together all aspects of laser technology. It offers high-quality content featuring breakthrough research and applied innovations in areas such as ultrafast lasers, energy-efficient optics, quantum electronics, biophotonics and more.

A comprehensive technical program features 1,700+ presentations and hundreds of sessions covering the most important technical developments in the industry, and more than 300 companies participate in an EXPO that offers extensive show floor business programming, networking opportunities, market focus, the Technology Transfer program and a technology playground.

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FEATURED VIDEO



John Wilson

DataRay Inc.

DataRay - BeamMap 2

The patented BeamMap2 multi-plane scanning slit profiler uniquely speeds measurement and adjustment of focused and divergent laser beam assemblies, either as a standalone instrument, or interfaced to automated adjustment systems. This brief video describes the BeamMap2 operating principles and shows example measurements on actual focused and diverging beams.

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