sponsor

LightMachinery

A better excimer laser. The IPEX-700.

www.lightmachinery.com

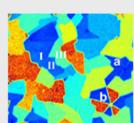


PHOTONICS.com









Using ultrafast IR pulses, researchers from the Lawrence Berkeley National Laboratory have discovered a new way to study the optical and electrical properties of 2-D metals that could compete with graphene in semiconductor and other applications.

Nanoscope Can Probe Chemistry on the Molecular Scale









BaySpec – Handheld Hyperspectral Imager Eric Bergles, Vice President of Sales and Marketing at Bayspec, talks about the Prism nominated OCI-1000. BaySpec has developed a highly-integrated spectral imager that provides a detailed view of the spectrum for every point in an image. Eventually, small handhelds could be adapted for use in outpatient medical clinics to check our skin for melanoma or other illnesses.





Portland Marriott Downtown Waterfront Hotel

PHOTONICS buyers' guide

Looking for Optics and Optical Components products? Search the Photonics Buyers' Guide or Browse these product categories:

CCD Lenses Custom Massive Optics High-Power Laser Windows Infrared Windows <u>Laser Optics</u> Metal Mirrors

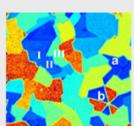
sponsor

sponsor

REGISTER TODAY!

Thursday, May 15, 2014

Researchers Probe Graphene Alternatives with SHG



Read Article >>

Share

Diamond Enhances Laser Beams

study of complex molecular systems.

A team from Macquarie University has discovered how to increase the quality of high-power laser beams by exploiting the optics of a diamond.

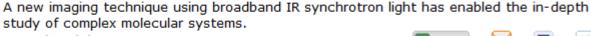
Read Article >>

Read Article >>

Share

Share





Products on PhotonicsBuyersGuide.com

Wavelength Reference Cells

Triad Technology

Our wavelength reference cells are grouped in two categories: Vapor Cells and Gas Cells. The purity level of the natural elements used in manufacturing all vapor cells is greater than 98%.

More info >>

optimization feature.

More info >>



Coating Services Perkins Precision

Manufacturing &

Developments At Perkins Precision

Developments we take pride in meeting exact customer requirements. Optical fabrication work is preformed in-house using qualified material suppliers. More info >>





Infrared and **Ultraviolet Detectors**

Kentek Corp.

Kentek's View-It® Infrared and Ultraviolet detectors feature a high-efficiency, laser-sensitive unlimited viewing period for both pulsed and continuous wave

More info >>

More Articles on Photonics.com

Bard College Gets \$500K Grant for Microscopy Suite

Bard College has won a three-year, \$500,000 Scientific Equipment Program grant from the Sherman Fairchild Foundation for the creation of a new microscopy suite.

Read Article >>

Share



Nanocrystal Tags Aid Rapid Pathogen Detection Tunable nanoparticles could pave the way for screenings that identify thousands of target

molecules simultaneously. Read Article >>

Share







Fiber Sensor Detects Trace Amounts of Explosives

A new optical fiber sensor detects explosives in extremely low concentrations, which could mean big things in the fight against terrorism.

Read Article >>











In this edition of the industry's premier weekly newscast: Nanocrystal tags aid in pathogen detection, researchers probe graphene alternatives, a fiber sensor detects explosives, and Photonics Media's Laura Marshall shares highlights from this year's SPIE DSS conference.

NIST Awards Advanced Manufacturing Grants

Two projects aimed at advancing photonics manufacturing have been awarded grants from the National Institute of Standards and Technology.

Read Article >>

Share







Tin Replaces Lead in Promising Solar Cell

A new solar cell, developed by a team from Northwestern University, promises enhanced

efficiency and a smaller environmental footprint. Read Article >>

Share







Test Environment Planned for Next-Generation Devices

A new test environment is being planned to facilitate the creation of next-generation photonic and electronic devices, as part of a three-year project funded by the European Commission.

Read Article >>

Share







Industry Events

Subscribe

Optatec 2014 - May 20-22, 2014 · Frankfurt, Germany



This international trade fair for optical technologies, components and Optatec systems provides the optical industry with important information, communication and business platforms.

> The event will focus fiber optics, photovoltaics, LED solutions and safety systems, as well as production and medical technology. Other topics to be addressed will be energy and material efficiency, conservation of resources and environmental protection. More info >>

> > Questions: pr@photonics.com

Unsubscribe: http://www.photonics.com/Newsletter/EmailUnsubscribe.aspx

Manage Subscriptions | Privacy Policy | Terms and Conditions of Use