This Week In





Smart LED Bulbs Deliver Communication and Illumination

Top Stories

electronics to enable the sensing of incoming signals from other light-emitting

Consumer-grade LED light bulbs can be enhanced with basic light-receiving

devices. The enhanced light bulbs are powerful enough to establish a communication link across several meters between light bulbs and LED-only systems that can be integrated into many devices.











controllable coupling of molecular emitters to photonic crystal cavities (PCCs).

fabricated in a demonstration of directed self-assembly of DNA origami onto lithographically patterned binding sites. The technique could enable reliable and



spectroscopy for calculating the parameters of electron scattering in the surface layers of samples may enable more reliable interpretation of measurement data and

Analysis

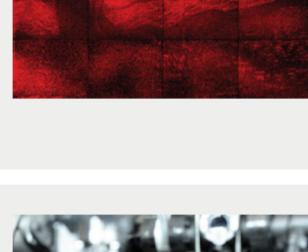








reduce the time needed for materials analysis. Traditionally, multiple calculations have been required to determine if the electrons reflected from the surface of the material absolutely pertained to the sample being tested, and not, for example, to





the base on which the sample was located.







Wafers, Windows, Optical Flats

and Glass Substrates (click to learn more!)



OOR our World is flat



sponsors



Novel Lens Design Expands Field of View for Brain

L-3 to Deliver EO/IR Designator Systems to Military

L-3 Communications said its Wescam division has received multiple orders from General Atomics Aeronautical Systems Inc. (GA-ASI) for its MXTM-15D electrooptical and infrared (EO/IR) designator systems for an international military

Read Article (3 (7) (8) (in C)

brain that are almost 10 times larger than those captured through a conventional



Imaging A novel lens for a two-photon imaging system is able to capture images of the

Customer

customer.



two-photon microscope.







Elbit Receives Contract for Uruguay 'Safe District' Read Article

Featured Products

Precision Optical's core product has

Visit Website

HELIOS Uniform Source

Labsphere's new HELIOS brand of

manufacture some of the most

challenging prisms in the world, from standard prism shapes to

always been the ultra-precise prism. We

Concordia's Photodynamic Therapy Laser Receives Premarket Approval Read Article

Finnish Border Guard Orders Imaging Systems from L-3 Communications Read Article

Blue Light Continues to Influence Cognitive Processes after Light Exposure Ends Read Article

Request Info

Request Info

The Prism Specialists Precision Optical

intricate custom geometries.



Industry Events

Optics & Photonics 2016

Webinars

Systems Labsphere Inc., Photonics

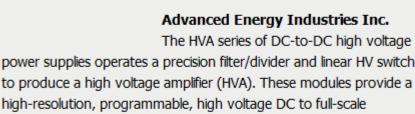
Visit Website

sponsors

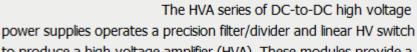
19-21 SEPTEMBER

VISIT US AT

ECOC EXHIBITION 2016 IN DÜSSELDORF



Advanced Energy



Voltage Amplifier

Custom Flat Optics

Sydor Optics is a custom manufacturer of

Visit Website

Advanced Energy® UltraVolt®

HVA Series—Precision High

Advanced Energy Industries Inc.

Visit Website

Request Info

Request Info

Manufacturing

Sydor Optics Inc.

precision flat-surfaced, parallel and wedged glass optical components

specializing in double-sided polishing, continuous pad & pitch

polishing, CNC machining and laser machining.

waveform capability greater than 1 kHz output.

VISION

World's leading trade

fair for machine vision

08 - 10 November 2016

Messe Stuttgart

August 28 - September 1, 2016 - San Diego Convention Center - San Diego, CA Photonics Media Booth: 143 SPIE Optics & Photonics 2016 is the largest

More Info

year's conference will include 38 courses and workshops, more than 3,000 technical presentations, and almost 200 exhibitors.

international, multidisciplinary optical sciences and technology meeting in North America. Presentations will cover the latest research in optical engineering and applications, nanotechnology, sustainable energy and organic photonics. This

Option Thu, Jul 28, 2016 1:00P EDT Join us for a FREE webinar! Tim Dykstra, product sales manager for Concept Systems Inc., provides a detailed overview of the technologies and systems that can be used to avoid dangerous collisions between robots and their environment as well as robots and humans, in a dynamic manufacturing environment. Register Now

Robotic Collision Avoidance: When Accidents Are Not an

Aspheric Lenses

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines

CALL FOR ARTICLES!

(Photonics Spectra, Industrial Photonics, BioPhotonics and EuroPhotonics). Please submit an informal 100-word abstract to Managing Editor Michael Wheeler at Michael. Wheeler @Photonics.com, or use our online submission form.

Looking for Optics and Optical Components products? Search PhotonicsBuyersGuide.com, or browse these product categories: Cylindrical Lenses

Questions: info@photonics.com

Reproduction in whole or in part without permission is prohibited.

Unsubscribe | Subscribe | Subscriptions | Privacy Policy | Terms and Conditions of Use Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949 © 1996 - 2017 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office.

Infrared Absorbing or Reflecting Filters Integrating Spheres

PHOTONICS buyers' guide® Simple Lenses Optical Coatings