

PHOTONICS MEDIA









A better excimer laser. The IPEX-700. www.lightmachinery.com

LightMachinery

sponsor



Novel Mixes Expand Operating Temperature Range for

LCDs

Top Stories

An experimental liquid crystal (LC) mixture has been shown to function properly in temperature range of -40 to about 100 °C, an improvement over current

technologies used in automobile displays, smartphones and televisions, for example, which grow blurry and sluggish in extreme temperatures. A team of researchers led by professor Shin-Tson Wu at the University of Central Florida formulated three new liquid crystal mixtures with a wide nematic range, small viscoelastic coefficient and low activation energy.



Transfection

Read Article









Gold Nanoparticle-Based Laser System Modeled for Cell

An optically induced method has been modeled for an efficient and cell-preserving

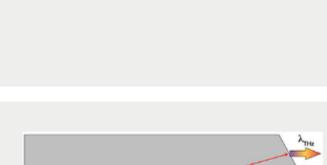
throughput screening. The functional model for a gold nanoparticle-based laser transfection was reported by the Laser Zentrum Hannover e.V. (LZH) and its

transfection — the delivery of DNA or RNA into eukaryotic cells — in high-

partner, working within a project of the Industrial Joint Research (IFG) of

Germany's Federal Ministry for Economic Affairs and Energy.

Security Detection Device Features Stable THz Source A security detection device based on a terahertz source has overcome the size, complexity and cost typical of terahertz devices. The device, which detects explosives, chemical agents and dangerous biological substances from safe



sertransfection





distances, could make public spaces more secure.





Wafers, Windows, Optical Flats and Glass Substrates (click to learn morel)





pco.edge 4.2 CLHS





roads without stoplights. Read Article (3) (7) (8) (in) (2) Resolve Optics Appoints Peter Chamberlain Production Manager

sensors — radar, cameras and lidar — the latter can function independently on



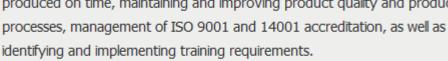
Chamberlain's position will include production planning, ensuring orders are produced on time, maintaining and improving product quality and production

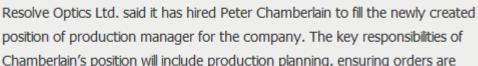
Read Article

Carolina

career.

Featured Video

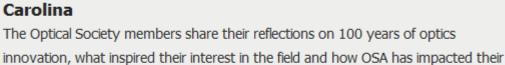




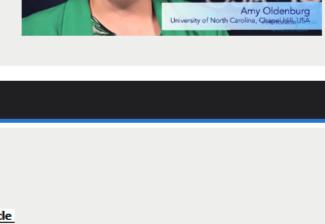




OSA Centennial - Amy Oldenburg - University of North



Watch Now



More Headlines

Tempus Wins NASA/JPL Aircraft Spectrometer Contract Read Article Microalgae Producer Selects Heliospectra's LED Grow Lights Read Article

Biolase 2015 Revenue Reaches \$48.5M Read Article

NREL Raises Rooftop PV Potential Estimate Read Article

Featured Products

CANON U.S.A.

offer high performance (high resolution, accuracy, and precision) in

Attocube Promotes Martin Zech to Managing Director Read Article

Optical Digital Laser Rotary Encoder

a very compact 36mm diameter body.



Laser Safety Portable Barriers KENTEK Corporation Kentek's portable barriers are an

alternative to laser safety curtain systems

and are available in Flex-Guard™, Ever-

Guard® and laser-safe acrylic materials.

Canon R-1 series Laser Rotary Encoders

More Info sponsors

International Trade Fair

for Laser Material Processing

May 31 – June 02, 2016

Messe Stuttgart

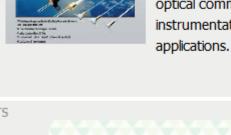
Lasers for Manufacturing Event 2016

Industry Events

Visit Photonics Media booth 427

industry.

More Info



manufactures InGaAs photodiodes for optical communications, test instrumentation, sensing, and medical

InGaAs Photodiodes

Fermionics Opto-Technology

Fermionics Opto-Technology

Optical Wavemeter

New Focus is introducing its first

Wavemeter, the WM-1210. This easy-to-

use instrument requires minimal setup and

More Info

More Info

New Focus

provides optical wavelength measurements in the 700 - 1650 wavelength range with ± 1 ppm accuracy and 10 Hz update rate.

YOUR PROFITS

Apr. 26, 2016 - Apr. 27, 2016 - Cobb Galleria Centre, Atlanta, Ga.

technology, network with others in the industry and find solutions to current and

future manufacturing needs. A one stop event for companies interested in integrating laser technology into their production, this event offers keynote presentations and free educational sessions on trending topics in the laser

LIA's Lasers for Manufacturing Event® is the place to see the latest in laser

Welcome to the **Innovation Dialog!** SENSOR+TEST THE MEASUREMENT FAIR

Nürnberg, Germany

10-12 May 2016

Register now for free admission!

With special stand "Vision Sensors and Systems" PHOTONICS buyers' guide®

More Info

sponsors



Looking for Lasers and Laser Systems products? Search PhotonicsBuyersGuide.com, or browse these product categories:

Autocollimators Laser Replacement Parts

Laser Cooling Equipment

Doubled YAG Lasers

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines (Photonics Spectra, Industrial Photonics, BioPhotonics and EuroPhotonics). Please submit an informal 100-word

Laser Cooling Equipment

Optical Flats

abstract to Managing Editor Michael Wheeler at Michael.Wheeler@Photonics.com

CALL FOR ARTICLES!

Questions: info@photonics.com