



sponsor



LightMachinery
Excellence in Lasers and Optics

A better excimer laser. The IPEX-700.

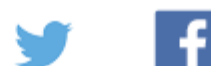
www.lightmachinery.com



PHOTONICS.com

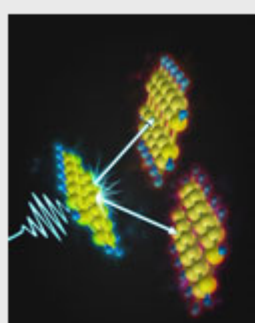
PHOTONICS MEDIA

THE PULSE OF THE INDUSTRY



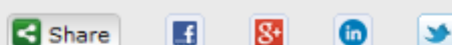
Thursday, October 29, 2015

Spectroscopy Elucidates Solar Singlet Fission



Better understanding of singlet fission, an electrical process triggered by light in some materials, could enable solar cells twice as efficient as those used today.

[Read Article >>](#)



FEATURED VIDEO



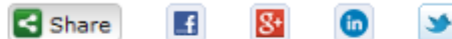
New Scale Technologies - Developer's Kits for Beam Steering and Mirror Positioning

This miniature two-axis beam steering (or the one-axis mirror positioning system) is ideal for precise, point-to-point beam positioning in small spaces. The piezoelectric rotary stage has a familiar galvo-scanner form factor, but a drastically smaller size: only 12 mm diameter INCLUDING the embedded closed-loop controller.

Biophotonic Solutions Names Vittorio Fossati-Bellani CEO

"We are excited that such a well-known industry mover and shaker in the areas of ultrafast lasers and industrial lasers has joined our ranks, and will lead the company as our technology expands in both scientific and industrial applications," said Dr. Marcos Dantus, the company's founder and chief technology officer.

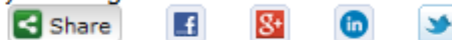
[Read Article >>](#)



Pyreos Secures £2.5M in Funding; Names Directors

Investors have appointed two nonexecutive directors to the board of IR sensor firm Pyreos Ltd. after completing a £2.5 million (about \$3.85 million) funding round.

[Read Article >>](#)



sponsor



SMART STRUCTURES NDE

Applied technologies of advanced materials, smart sensor networks, non-destructive evaluation, and structural health monitoring.

REGISTER TODAY

Conferences & Course: 25-29 March 2017
Portland Marriott Downtown Waterfront Hotel
Portland, Oregon, USA

Featured Products



Thin-Film Coatings

OptoSigma Corp. For more than twenty years, OptoSigma has been at the forefront of the optical components industry, manufacturing thin-film coatings to precision standards.

[More info >>](#)



5400 TECSOURCE

Arroyo Instruments The new 5400 TECSOURCE pushes temperature control power to new levels, with up to 960 Watts of power available for your most demanding thermal applications.

[More info >>](#)



Fiber Coupled Diode Laser

PhotonTec Berlin Photontec Berlin's 1470nm diode laser emits 5W through a single 105µm/NA0.22 optical fiber with optional SMA connector, providing high power and high brightness.

[More info >>](#)



The Prism Specialists

Precision Optical Precision Optical's core product has been, and will continue to be, ultra-precise prisms. We manufacture some of the most challenging prisms in the world.

[More info >>](#)



Join Photonics Media's discussion group on **LinkedIn!** It's a forum for all things photonics, where you can keep up with the latest industry happenings and post your own company news and product announcements.

More Articles on Photonics.com

Driver Creates Short, Powerful Pulses with LEDs



Providing high-brightness, rapidly pulsed, multicolor light, a novel LED driver could displace more expensive lasers and other light sources in scientific, industrial and commercial uses.

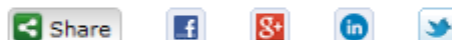
[Read Article >>](#)



Study: Laser Endomicroscopy Enables Characterization of Pancreatic Cysts

A pilot study has validated the use of needle-based confocal laser endomicroscopy (nCLE) to characterize different kinds of pancreatic cysts.

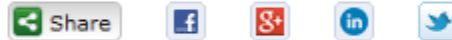
[Read Article >>](#)



UCF to Explore Fiber Lasers under \$5.9M Air Force Contract

"We need to redesign the fiber from a simple communications fiber to one that is able to withstand the high power we want to generate," said primary investigator and University of Central Florida professor Martin Richardson.

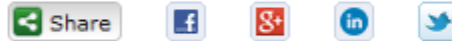
[Read Article >>](#)



Shasta Crystals Explores Fiber Laser Materials with SBIR Grant

The \$150,000 grant will enable the company to perform research into the feasibility of growing and cladding doped YAG fibers of sufficient quality to improve fiber laser performance.

[Read Article >>](#)



Prisms, Masks Recreate Color Images from White Light



The first mask creates a structured pattern of white light that is dispersed by the prism. The resulting colors are then filtered by the second pattern to produce the desired full-color image.

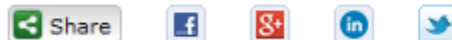
[Read Article >>](#)



Metamaterial Detects Circularly Polarized Light

A metamaterial detector for circularly polarized light (CPL) may open the door for development of small, portable sensors for applications from drug screening to communications and beyond.

[Read Article >>](#)



WEBINAR

Understanding Optical Coatings

Wednesday, Nov. 4, 1 p.m. EST

FREE WEBINAR

This webinar will help users understand the latest technologies in fluorescence, microscopy, and neuroscience applications, in order to specify the right coating to optimize system performance while taking into consideration budget tradeoffs.



Stephan Briggs



REGISTER NOW

Industry Events

SPIE Micro & Nano Materials, Devices and Applications

Dec. 6-9 · University of Sydney



This biennial conference will be a multidisciplinary forum with a focus on research that has enabled promising micro- and nanoscale materials, technologies and applications across many fields, including photonics, energy, security, information and medicine.

[More info >>](#)

CALL FOR ARTICLES!



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 abstract to Group Publisher Karen Newman at karen.newman@photonics.com

Questions: pr@photonics.com

Unsubscribe: <http://www.photonics.com/newsletter/EmailUnsubscribe.aspx>

[Subscribe](#) | [Manage Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)