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Wednesday, December 30, 2015

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Continuing Education for the Future of Photonics



Universities and research institutions throughout Eastern Europe are stepping up to educate and produce future photonics leaders. Schools like the Warsaw University of Technology in Poland and Kazan National Research Technical University in Russia play a key role, as do research and support programs, such as the Romanian Institute of Science and Technology, which are emerging regionwide.

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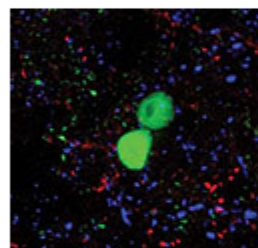
Cladding With High-Power Diode Lasers

Cladding is an additive manufacturing process used in a variety of industries for improving the surface properties of a part, or to resurface a component that has become worn through use. There are a number of different techniques for performing laser-based cladding, each with its own specific characteristics in terms of the materials employed, the quality of the clad layer, and various practical issues that include throughput speed, process compatibility and cost.

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LEDs in Biology Research: From Microscopy to Optogenetics



Since LEDs were introduced to microscopy illumination in bioscience research, convincing research groups and imaging facilities of their scope and potential to completely replace metal-halide systems as a suitable replacement for HBO arc lamps has been challenging. But with the recent introduction of full spectrum light units and more advanced systems, LED illumination is becoming the new standard.

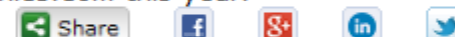
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Top Solar Stories of 2015 from Photonics.com

Researchers in Europe and around the world are developing innovations in solar technology. Here are some of the most viewed articles from Photonics.com this year.

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Featured Products



IDL Linear Motor Stages

Newport Corporation
The IDL Series, a robust family of industrial-grade linear stages designed for high throughput and reliability, is specifically designed for laser micro-machining applications that require high precision, down to 250nm.

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SPECTRA-X Light Engine

Lumencor, Inc.
The SPECTRA X light engine from Lumencor is the ultimate integrated solid-state excitation source for fluorescence microscopy.

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Goldeye G-008 SWIR Camera

Allied Vision
Technologies GmbH
Allied Vision's Goldeye G-008 short-wave infrared (SWIR) camera is the newest camera in the Goldeye series.

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CMOS Cameras

FRAMOS
The Gigasetix Plus camera series from Smartek Vision DOO of Croatia now includes the GCP2061 and GCP2046 models equipped with the Sony Pregius Exmor IMX250 and IMX252 image sensors.

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Let's Help Surgeons See More.

SCHOTT AG, SCHOTT
Lighting and Imaging
It's not just quantity. It's also the quality of light that determines endoscopy results.

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PC Controlled Variable Coupler

Evanescence Optics Inc.
The Model 905(P)-M is a variable ratio fiber coupler, the ratio can be remotely controlled with a PC (through a USB port), or manually.

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Industry Events

BIOS 2016 - February 13 - 14, 2016 · The Moscone Center, San Francisco, CA.
Visit Photonics Media at Booth 8515



See the latest research at BiOS 2016. Topics include biomedical optics, diagnostics and therapeutics, biophotonics, new imaging modalities, optical coherence tomography, neurophotonics, optogenetics, tissue optics, and nano/biophotonics. New location in Moscone West. BiOS Expo, held Saturday and Sunday, kicks off the Photonics West week. This is your time to see what's new in the thriving biomedical optics and photonics industries.

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