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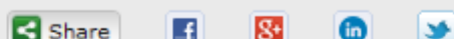
Thursday, October 22, 2015

Microscopes Expand Operating Room Capabilities



Two devices aim to make diagnostic microscopy practical and speedy enough for the operating room. One takes advantage of stimulated Raman scattering; the other, near-infrared fluorescence.

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Startup to Develop Light-Sheet Microscopes with €6M in Venture Funding

Light-sheet microscopy allows scientists to observe living cells in 3D for extended periods of time. Luxendo's microscopes are based on a light-sheet technique called selective plane illumination microscopy (SPIM).

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TeraView Nets Venture Funding to Expand THz Inspection

The investment will support the expansion of terahertz inspection systems for fault detection and quality assurance of semiconductor chipsets, particularly for the smartphone and tablet computing markets. The technology is also used for coatings inspection in automotive, pharmaceutical and other industries.

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Featured Products



Optical Wedges

A.R.W. Optical Corporation
ARW Optical Corporation manufactures custom, standard and OEM optical wedges for the UV to IR region. Provides rapid prototyping through volume production for all industries.

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Frequency-Doubled Green lasers

Necsel
Necsel's frequency-doubled lasers come in a variety of wavelengths from 529 through 538 nm and 550 through 555 nm with powers up to 3 Watts, a spectral width of 0.1 nm, lifetime > 30,000 hours, and a very compelling price point.

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Spectroscopy Certified Laser Diodes

Photodigm Inc.
Photodigm's latest advances in DBR lasers have led us to the development of advanced packaging. Thermal management of the high power was among our first considerations followed by small volume, rapid tuning, and volume manufacturing.

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High Resolution Lenses

Universe Kogaku (America)
Universe Kogaku designs and manufactures high resolution lenses with locking focus to help maintain vision system calibration. These VX Series lenses are well suited for rugged conditions in machine vision, inspection, instrumentation, and vibration sensitive applications.

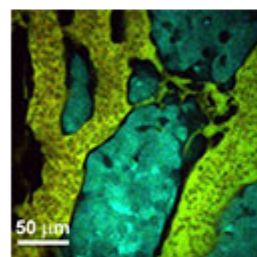
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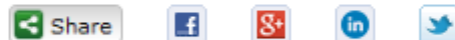
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Quantitative Bioimaging Possible with Brightness-Equalized QDs



Quantum dots (QDs) that emit light at the same brightness regardless of color could help bring fluorescence imaging into the realm of quantifiable data.

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Investment Group Acquires Optical Engines Firm Axsun Technologies

As part of the transaction, Axsun received growth capital from Anzu Partners while an Anzu affiliate purchased the 65,000-square-foot Axsun operations building.

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Michelson Diagnostics OCT Scanner Promising for Skin Cancer Detection

The optical coherence tomography device aided early stage diagnosis of basal-cell carcinoma and reduced the need for biopsies by 36 percent in recent clinical testing.

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Webb Telescope Optics Undergo First Supercold Tests

An interferometer from 4D Technologies was used test the space-readiness of mirrors built by Harris Corp.

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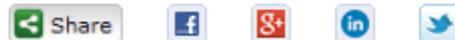


Camera Offers Hyperspectral Imaging for Consumers



A consumer-grade hyperspectral camera could help shoppers find the best avocado at the grocery store or allow video games to distinguish between players by the features of their hands.

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Zero-Refraction Metamaterial Promising for PICs

The first on-chip metamaterial with a refractive index of 0 gives light an infinite phase velocity, which could be advantageous for manipulating light in photonic integrated circuits.

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Industry Events



EPIC Biophotonics Symposium and Exhibition - Nov. 26-27 · Berlin
Hosted by the European Photonics Industry Consortium, the symposium will feature sessions on oncology applications and light engines.

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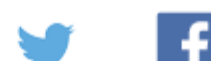
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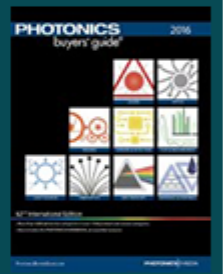
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