BIOPHOTONICS BRINGING LIGHT TO THE LIFE SCIENCES®

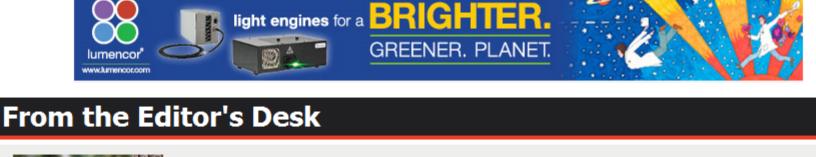






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Monthly newsletter focusing on how light-based technologies are being used in the life sciences. Includes news, features and product



Please Don't Squeeze the Peaches - article and slideshow

JAMES SCHLETT, EDITOR



Despite all of mankind's technological advances, consumer methods for testing fruit ripeness — visually scanning, squeezing and smelling — remain fairly primitive. In many ways, the difference between how our hunter-gatherer ancestors identified ripe fruit in the forest or on the savannah and how we do it in the grocery story is probably more a

developments in lasers, imaging, optics, spectroscopy, microscopy, lighting and more.

matter of art than technique. Read Article 😝 🚹 😵 🛅 💟

 Clinical Inroads ruby and helium-neon lasers in the early 1960s. Since then, the technique has



Low-Level Light Therapy Is Still Looking for — and Finding The field of low-level light therapy (LLLT) emerged soon after the invention of the

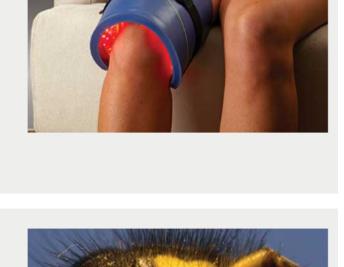
conditions and local circulation. However, despite decades of supporting research and a large body of evidence, the scientific community is still reluctant to implement LLLTs for clinical use.

inflammation, promoting wound healing, reducing pain and for improving skin

progressed, proving effective for a number of therapeutic areas, including reducing

Read Article (3) (6) (8) (in) Next-Generation Stereo Endoscopes are Opening Surgeons' Eyes Technological advances are paving the way for single-channel stereo endoscopes that are ideal for minimally invasive neurosurgery. New

stereo endoscopes also promise to deliver IR fluorescence resolution and 4K



resolution.









Photonics Media has opened its annual reader poll to garner input from our global audience for inclusion in the August 2016 issue of Photonics Spectra. Follow the

Contribute to the Photonics Media 2016 Reader Poll

link to answer three quick, fun questions, and your answers could be published this summer.

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PHOTONICS MEDIA

2016 Reader Poll

WE WANT TO HEAR FROM YOU!



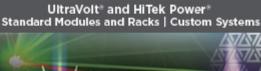
Impaired





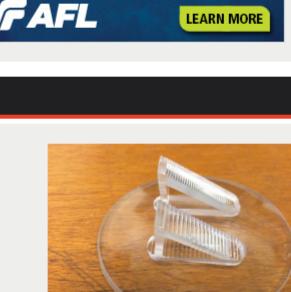
In Case You Missed It





FIND A PRODUCT

Optical Prism Designs Expands Vision Field for the Sight-



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Fiber Optic Biosensor-Integrated Microfluidic Chip Detects Glucose Levels

optofluidic device has enabled detection of glucose in solution, requiring only a tiny droplet of sweat.

Microscopy Method Observes Spinal Cells in Freely Behaving Mice

A series of novel optical designs may address the limitations of current peripheral

prism eyeglasses and help further expand the field of vision for patients with hemianopia, a condition in which the visual fields of both eyes are cut in half.

A microscope about the size of a penny has been used to observe everyday activity of cells within the spinal cords of mice, revealing that astrocytes — cells in the nervous system that do not conduct electrical signals and were traditionally viewed as merely supportive unexpectedly react to intense sensation.

to crowdsource deserving professionals who are enabling the success of the industry through their work in five categories.

The lab-on-a-chip approach is being applied to the development of glucose meters for the early diagnosis and prevention of diabetes. An

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Photonics Media Laurin Publishing Co., whose titles include Photonics Spectra and BioPhotonics magazines and the Photonics Buyers' Guide, announces the availability of two

Poster Series

diSPIM system from ASI is an extremely cell friendly system for

imaging live specimens.

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original drawings of Diane M. Laurin appeared...

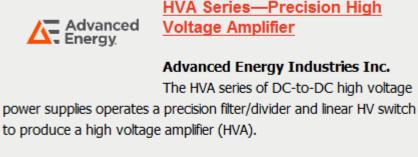


Dave Aikens, the leader of the project to adopt ISO 10110 as an American National Standard, will provide an introduction of OP1.0110, the American

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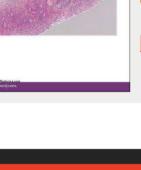
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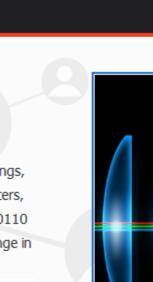
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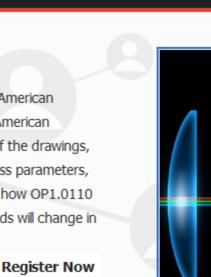
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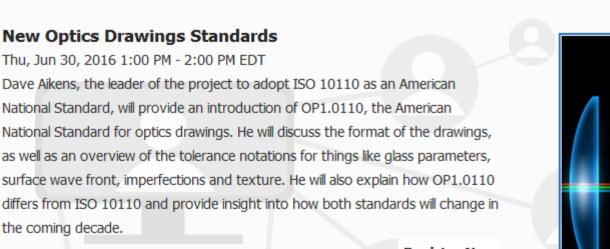
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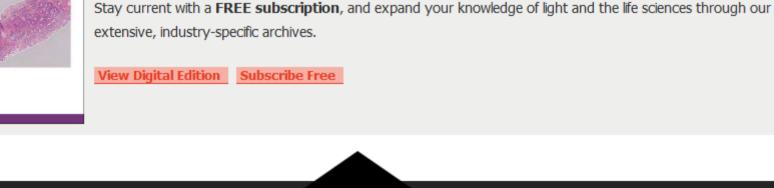












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