This Week In









Pump light

Probe light



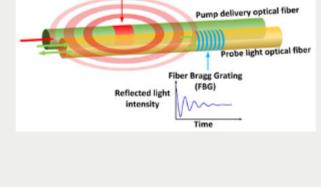
Top Stories

Health Under Severe Conditions An all-fiber-optics-based system for monitoring structure health shows promise as

Fiber-Optics-Based Sensing System Monitors Structural

a reliable means to oversee structural soundness under extreme conditions. Active ultrasonic nondestructive evaluation (NDE), currently a widely used technique in structural health monitoring, has traditionally employed piezoelectric transducers (PZTs), which can be of limited use in corrosive environments or under extremely high temperatures. 3 A 8 6 D Read Article

Organic photovoltaic and solar film developer Heliatek GmbH has raised €80 million



(Light > Heat > Sound)

Acoustic generator

(\$88 million) to finance the expansion of its HeliaFilm manufacturing capacity. This financing round comprises €42 million (\$46.8 million) in equity, €20 million (\$22.3

million) in debt and about €18 million (\$20 million) in subsidies.

Heliatek Raises €80M to Expand Manufacturing

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Quantum Approach Measures Optical Molecular Activity

With Precision

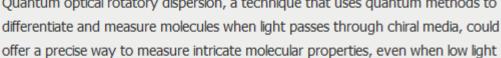


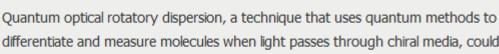






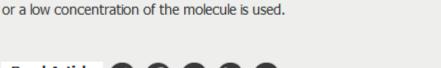












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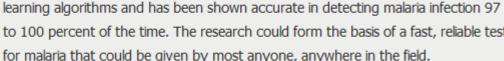








Custom, Flat-Surfaced



pco.ultraviolet

Holographic Imaging Technique Diagnoses Malaria

A quantitative phase spectroscopy (QPS) system that incorporates digital

holography has been used to spot malaria-infected cells from a simple, untouched blood sample without any help from a human. The technique employs machine

to 100 percent of the time. The research could form the basis of a fast, reliable test for malaria that could be given by most anyone, anywhere in the field. Read Article 3 A 8 m D

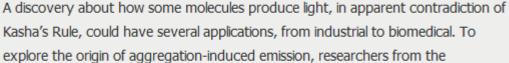




Automatically, Accurately









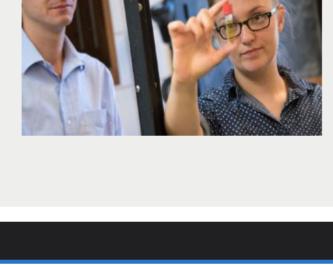






a series of BF2-hydrazone-based dyes as a function of solvent viscosity. They found these molecules to be highly efficient fluorescent molecular rotors. Read Article (3 (7) (8) (in (2)

University of Vermont and Dartmouth College assessed the emission properties of











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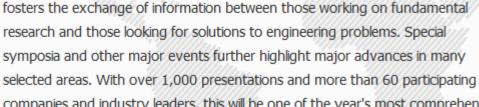
OSA Frontiers in Optics: The 100th OSA Annual Meeting

October 17-21, 2016 - Rochester Riverside Convention Center - Rochester

Frontiers in Optics 2016—the 100th OSA Annual Meeting—encompasses the breadth of optical science and engineering and provides an atmosphere that







and Exhibit/Laser Science XXXII 2016

United States

Photonics Media Booth: 102

Webinars

Bioanalytical Systems

companies and industry leaders, this will be one of the year's most comprehensive conferences in optics and photonics. Photo courtesy of OSA, the Optical Society of America.

Wed, Oct 19, 2016 1:00 PM - 2:00 PM EDT With recent advancements in LED technology, OEMs are presented with new possibilities through a growing number of light source options. There are key factors to consider when determining which light source is best suited for your application, including: wavelengths; uniformity; technology platforms; thermal management; light delivery; power budget; and economy of space. Which light source will provide reliable and repeatable results? How can these factors expedite path to market and ensure success? In this webinar, Dr. Kavita Aswani and Dr. Tom Papanek will discuss these factors in detail and their impact on biomedical or

Choosing the Right LED for Medical Diagnostics and

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