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Thursday, July 23, 2015

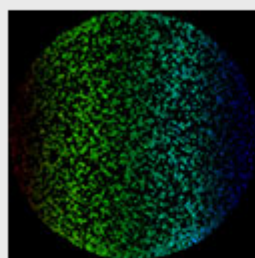


This week on **Light Matters:**

A blueshift is coming to antibacterial technology.

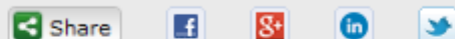
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MicroLens Array Spawns Massive Microscope Image



Able to rapidly process very large amounts of biomedical imaging data, the system could help address a major bottleneck in pharmaceutical development.

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PG&O Tapped for Gravitational Wave Project

Precision Glass & Optics has been selected to manufacture four sets of 26 black glass optics panels for the Laser Interferometric Gravitational Wave Observatory (LIGO).

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Nanoco Forms Quantum Dot Lighting Division

Retail applications for the quantum dots include high-end retail store and supermarket lighting, surgical lights and professional photography. Potential agricultural applications include the enhancement of chlorophyll absorption peaks to produce healthier, higher-yielding plants.

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Featured Products



WM-1210 Wavemeter

Newport Corporation
The New Generation of Wavemeter is here. The New Focus™ WM-1210 Wavemeter is the perfect instrument for your test and measurement applications where ultimate wavelength certainty is required.

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UV & IR Detectors

Kentek Corporation
Kentek's View-It® Infrared and Ultraviolet detectors feature a high-efficiency, laser-sensitive material that provides an unlimited viewing period for both pulsed and continuous wave lasers.

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High-Performance Nanopositioner

Mad City Labs
The Nano-MET series of high performance nanopositioning systems has been designed specifically for precision metrology applications. Products include Nano-METZ, Nano-MET10 & 20 and Nano-MET2 & 3.

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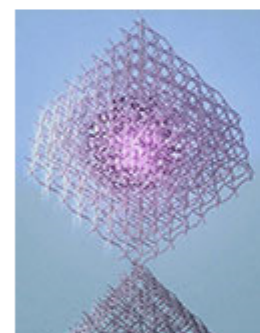
UAV Optics

Meller Optics
Custom-fabricated unmanned aerial vehicle (UAV) optics for small drones and tiny flying robots have been announced by Meller Optics Inc.

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More Articles on Photonics.com

QDs, Perovskites Team Up in Superefficient IR LEDs



"It's a pretty novel idea to blend together these two optoelectronic materials, both of which are gaining a lot of traction," said University of Toronto doctoral candidate Xiwen Gong. "We wanted to take advantage of the benefits of both by combining them seamlessly in a solid-state matrix."

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Technologies from Ball, Corning, Photonis, SwRI Help Image Pluto

NASA's New Horizons mission used imaging and spectroscopy equipment to secure the highest-resolution images ever captured of the dwarf planet Pluto.

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NASA Awards \$15M HSI Contract to Teledyne Brown Engineering

Teledyne Brown Engineering Inc. will integrate a hyperspectral imaging (HSI) instrument into a new Earth observation platform for the International Space Station under a \$15 million contract with NASA.

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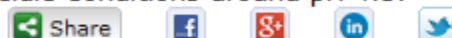


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Blue LEDs Could Help Preserve Certain Refrigerated Foods

A team of scientists from the National University of Singapore has found that blue LEDs have strong antibacterial effect on major foodborne pathogens, and are most effective in cold temperatures (between 4 and 15 °C) and mildly acidic conditions around pH 4.5.

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Optical Glucose Sensor on Commercial Path



A University of Leeds spin-off company is seeking to commercialize an optical glucose sensor that could make finger-prick blood tests unnecessary for people with diabetes.

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UTC Provides Imaging Systems for Cirrus Observation Aircraft

The systems allow automatic tracking of fixed or moving targets, and facilitates reporting on the location of activity.

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Industry Events



CLEO Pacific Rim Conference 2015 - Aug. 24-28 · Husan, South Korea
The Optical Society of Korea hosts its 11th Conference on Lasers and Electro-Optics Pacific Rim. The conference will provide a forum for the update and review of a wide range of lasers and electro-optics disciplines, from device development to systems engineering and applications. The meeting also serves to stimulate the use of more mature optical technologies in other fields.

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FEATURED VIDEO



JILL FOWLER
DIRECTOR OF SALES
INTERNATIONAL LIGHT TECHNOLOGIES

International Light Technologies - ILT5000 Research Radiometer

Short video highlighting all of the improvements on the industry-standard ILT1700 including rapid measurements (1-100hz), broader dynamic range (100fA to 1mA), extensive supporting software apps, and built-in wireless, data storage, rechargeable batteries!

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