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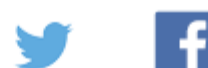
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Thursday, April 24, 2014

Mid-IR Lens Incorporates Waste Sulfur



Thin, inexpensive plastic lenses for IR imaging devices could be manufactured from waste sulfur generated by refining fossil fuels. The lenses could be used for anything involving heat detection and infrared light, such as handheld cameras for home energy audits and night-vision goggles.

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Exciton Movement Observed Directly

For decades, scientists' understanding of excitons has been theoretical at best. However, a recent breakthrough has changed the game.

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Metasurface Lens Could Transform Antennas

Traditional antennas could be in for a makeover following a discovery by researchers from Southeast University in broadband optics.

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AccuFiz Measurement System

4D Technology
4D Technology has introduced a suite of products for high quality, low cost measurement of 300mm diameter optics.

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New Shaped Tip Fiber Assemblies

Fiberguide Industries
New shaped tip fibers and fiber assemblies from Fiberguide Industries provide optimum control over laser light during medical procedures.

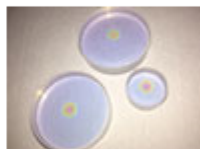
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Bandpass Polarizer

Meadowlark Optics
Meadowlark Optics is pleased to present its new bandpass polarizer. Bandpass polarizers are reflective, reflecting away the undesired polarization.

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Graded Reflectivity Mirrors (GRM)

BMV Optical Technologies
Graded Reflectivity Mirrors (GRM), also known as Gaussian mirrors, are used as cavity optics within unstable laser resonators.

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Ghent University Offers Silicon Photonics Summer School

A Silicon Photonics Summer School will bring together next-generation scientists and industry leaders to learn more about key functionalities and potential applications.

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Hyperspectral Analysis Distinguishes Cells

A new label-free hyperspectral imaging technique can distinguish all types of cells using only the natural autofluorescence of biological tissue.

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Panels Redirect Sunlight into Shadowy Urban Areas

Corrugated, translucent panels mounted on rooftops could be used to bend sunlight into places it normally doesn't reach.

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In this edition of the industry's **premier weekly newscast**: Adaptive optics enhances subcellular imaging, a two-stage laser could control rain and lightning, panels that redirect sunlight into shadowy urban areas, and Laura Marshall tells us about last week's Vision Show in Boston.

Optical Society Names New Executive Editor

The Optical Society has named Dr. Alison Taylor its new executive editor.

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Long-Range 3-D Lidar May Enhance Military Operations

Advancement of 3-D imaging and lidar technologies could spell significant enhancement for target identification, tracking and surveillance, namely in military operations.

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Adaptive Optics Detect Early Diabetes Eye Damage

Researchers have developed a new technique and instrument for detecting early warning signs of diabetic retinopathy.

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Industry Events

SPIE DSS 2014 - May 5-9, 2014 · Baltimore, MD



SPIE DSS 2014 brings together some of the industry's most important scientific conferences and exhibitions on optics, IR imaging, lasers and sensing for defense, security, industry, healthcare and the environment.

Session topics to be featured include hyperspectral imaging, imagery and pattern analysis, next-generation sensors and systems, and terahertz device and systems, as well as laser technologies, mine and chemical detection, and instrumentation and control.

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United Lens

Founded in 1916 and still under continuous family ownership, over the past century ULC has evolved from the world's largest manufacturer of molded lens blanks to the only truly vertically integrated manufacturer of optics providing thin film coatings, ground and polished optics, precision machined optics and hand molded optical blanks.

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