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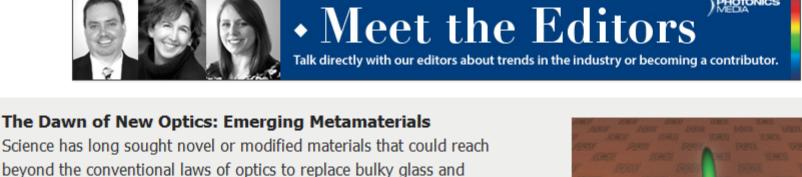


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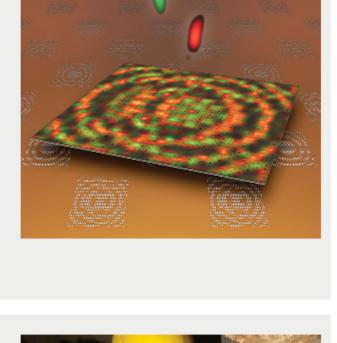
spectra Monthly newsletter from the editors of Photonics Spectra, with features, popular topics, new products, and what's coming in the next issue.

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polymer optical components with flatter, more robust, lower-cost, stackable ones — perhaps even with subwavelength properties that

could benefit virtually every light-enabled device from cellphones to microscopes. One goal of a tunable, isotropic negative-index (lefthanded) metamaterial is control of both phase and amplitude of light, an advancement that could lead to optical cloaking, holographic displays, and quantum levitation.



Lab Spurred by manufacturing advancements over the past decade, lasers,

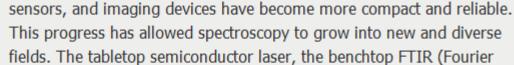
spectroscopy.



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Trends in Industrial Laser Solutions The demands on lasers grow as the need for precision in manufacturing and other applications increases. In general,

transform infrared) and hand-held x-ray fluorescence (XRF)

spectrometers, and the advent of silicon photonics are opening new areas of inquiry and industry — often for individuals untrained in

lasers enable processes that cannot be performed

economically in any other way — such as drilling holes, selectively

removing material, or texturing a surface. Lasers also allow novel methods of imaging. Such uses may require a variety of laser advancements, however, including shorter pulse width, higher repetition rate, varying wavelengths, greater power, better beam

Featured Products

quality, and improved uptime.

Norland Products Inc. The Norland UVC Optical Splice is the first really easy to use, high performance connection for optical fibers. This

that minimizes handling of bare fiber.



Applications

and scientific environments. The C120C filter provides

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splice incorporates a precision TRW glass alignment guide

and a proactive glass sleeve in a unique one piece design

Kentek's C120C coated filter is an excellent choice for femtosecond applications including Ti:Sapphire for industrial, medical

Protection for Femtosecond

Norland Optical Splice - Easy To

Filters for Hyperspectral **Imaging** Delta Optical Thin Film A/S Hyperspectral imaging has been used for a couple of decades in

imaging, air reconnaissance and other not overly price

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IR Image Encoding and Camouflage System Uses

Using a plasmonic nanostructure, researchers at the University of

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Plasmonics to Hide Images from Naked Eye

In Case You Missed It



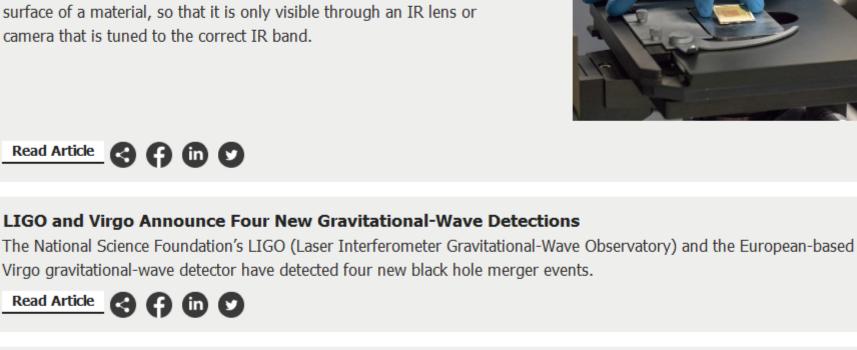
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Notch filters, provide the highest performance optical thin film solutions available today. For example, the Ultra Series Flat Top Narrowband filters offer the narrowest bandwidths and squarest filter profiles in the industry. Request Info Visit Website



photodetection. Compared to photomultiplier tubes (PMTs), SiPMs and SPADs are smaller, more durable, and more energy efficient. They also offer better immunity to magnetic fields and ambient light than PMTs. By attending this webinar, you will gain a better

understanding of SiPM and SPAD technology, so you can determine

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Detection

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