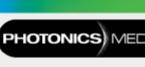
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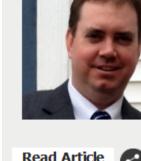


spectra

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

A Century — and More — of Innovation MIKE WHEELER, MANAGING EDITOR

From the Editor's Desk



This month, the Optical Society of America (OSA) will hold its annual meeting in Rochester, N.Y., at Frontiers in Optics, the

was the site of the society's founding in 1916 by physicist Perley Nutting. Read Article 😝 😝 😗 🛅 💟

capstone event of a year-long celebration of the society's 100th anniversary. Rochester is a fitting venue, after all, as it



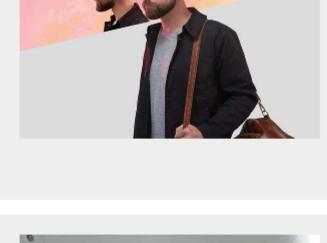




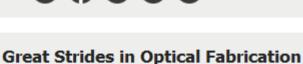
Glasses-free three-dimensional display technology is on the horizon, driven by

right eyes to create a 3D picture. This is done through glasses that passively filter

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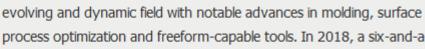


Largely unchanged for centuries, optical fabrication is today an











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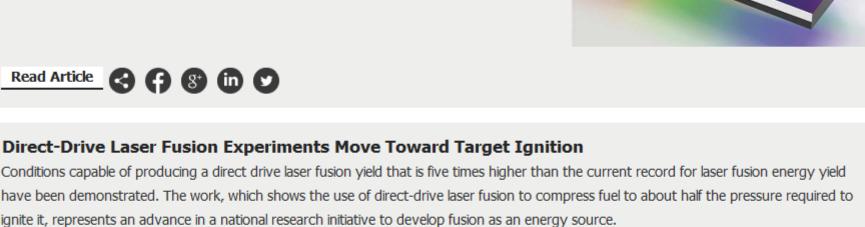
Test Drive the

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Direct-Drive Laser Fusion Experiments Move Toward Target Ignition Conditions capable of producing a direct drive laser fusion yield that is five times higher than the current record for laser fusion energy yield have been demonstrated. The work, which shows the use of direct-drive laser fusion to compress fuel to about half the pressure required to

Photosynthesis Map May Hold Clue to Improving Solar Cell Efficiency

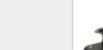


CT-101 and CT-102

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CHROMA'

The results of measuring the flow of energy during photosynthesis using spectroscopy could contribute to the development of more efficient



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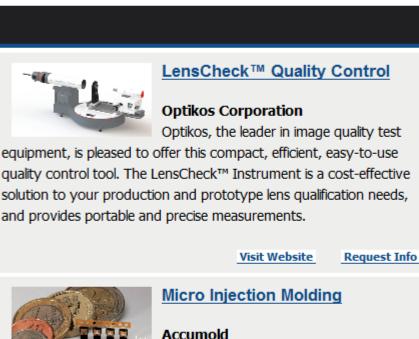
Motorized diamond blade Cleaves fibers from 80-250 um Angle cleaving from 0 to 15°

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USHIO America Inc.

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absorption sensor utilizes patent pending, Silicone Optical

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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 Tom Papanek will discuss these factors in detail and their impact on biomedical or diagnostic design, engineering and integration. Dr. Kavita Aswani is the Senior Applications Scientist for the Life Sciences products at Excelitas Technologies. Tom Papanek is Director of Global Product Development for Excelitas Technologies, Solid State Lighting. Register Now

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changes in photonics, optics and the market. For now, though, commercially available 3D displays are stereoscopic, presenting different images to the left and or actively switch between the two different images.

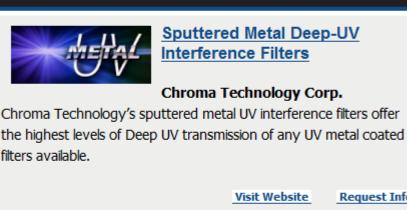
process optimization and freeform-capable tools. In 2018, a six-and-ahalf-meter mirror made up of 18 hexagonal segments will quietly unfurl 1.5 million km from Earth, marking the end of years of intense research and refining of optics fabrication techniques.

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solar energy technologies.

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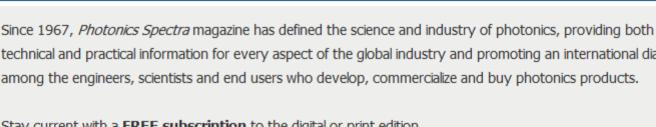
PAS FOR LAB AND FIELD WORK.

With recent advancements in LED technology, OEMs are presented with new possibilities through a growing number of light source options. There are key



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