





.: Top Stories

Manufacturing

Platform

in Quantum Photonics The 2022 Nobel Prize in physics has been awarded to Alain Aspect,

Nobel Prize in Physics Recognizes Three for Achievements

John F. Clauser, and Anton Zeilinger. The trio will share the prize "for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science." Read Article



a faster, cleaner, and more environmentally friendly process. A team from the Fraunhofer Institute for Material and Beam Technology IWS

Laser Method Sandblasts, Without Sand, for Expedited

In the past, sandblasting has been a necessary part of production in a number of industrial processes. Now, the process may be replaced with

developed the technology LIGHTblast, which, is now being transferred to the semiconductor manufacturing, automotive supply, and other industries. Read Article

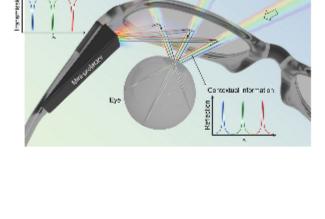


by the team focuses only a few selected narrowband colors of light

Nonlocal Metasurface Distinguishes Augmented Reality

Researchers at Columbia Engineering have invented a glass that shows promise for applications in AR glasses. A flat optical device engineered

while remaining transparent to nonselected light over the vast majority of the spectrum. Read Article



Compact, Lower Cost Fluorometer

New Filters Enable

.: Featured Products & Services



to be built.

Delta Optical Thin Film Delta Optical Thin Film has introduced new advanced excitation and emission bandpass optical

enable more compact and lower cost fluorometers

filters for fluorescence spectroscopy/microscopy that

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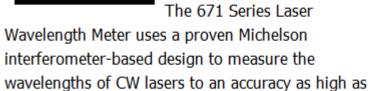
MKS/Newport

Fiber Optic De-Speckler

A DeSpeckler averages the

modal noise within an optical

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The 671 Series Laser

Bristol Instruments Inc.

671 Series Laser

Wavelength Meter

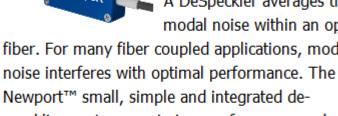
375 nm to 12 µm. Continuous calibration with a built-in wavelength standard guarantees the reliable accuracy that is required for the most meaningful experimental results. Visit Website Request Info

±0.2 parts per million. Operation is available from

IR Filters

Deposition Sciences Inc.

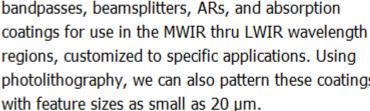
DSI designs and manufactures



fiber. For many fiber coupled applications, modal

speckling system maximizes performance and reliability in illumination, with no optical loss. Visit Website Request Info

FISBA Innovators in Photonics

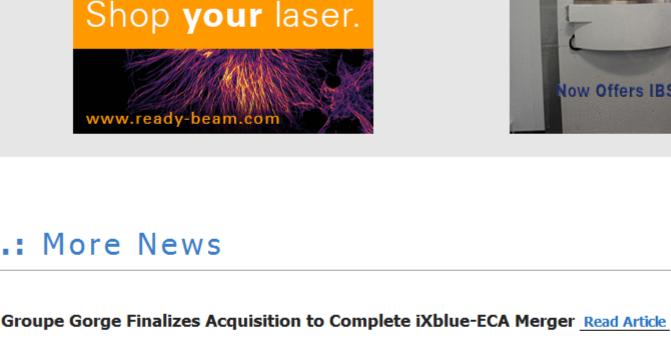


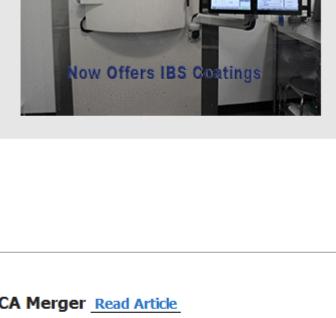
(DSI)

photolithography, we can also pattern these coatings

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Common Pitfalls

battery's decomposition. Presented by Bruker Optics.

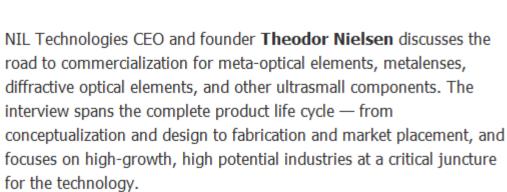
Wed, Oct 12, 2022 10:00 AM - 11:00 AM EDT Oliver Faehnle, Ph.D. shares on a new methodological analysis of optics fabrication technologies that enables the modeling and simulation of whole fabrication chains — by reading in lens design data. To that aim both optical systems and optical fabrication technologies have been classified and thus enabled to digitally interconnect. Consequently, the optimal fabrication chain for a given optical element can be determined

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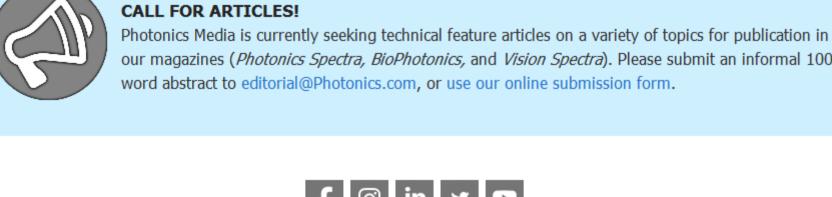
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out of the about 340 existing optical manufacturing technologies. Sponsored by Lambda Research Corporation.

The Next Step in Optical Design: How the Modeling of Optics Fabrication Avoids







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