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Top Stories

Fish-Inspired Fractals Guide Optical Coating Design

Fish scales could serve as a model for better broadband reflectors and custom multispectral filters. The shiny skins of certain ribbonfish reflect light across a broad range of wavelengths, giving them a brilliant metallic appearance.



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World Economic Forum Names Solar Film Firm a Tech Pioneer

Organic flexible solar film producer Heliatek GmbH will present its technology at the World Economic Forum Annual Meeting in Davos-Klosters this month.



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Lasering Leaves Improves Treatment of Citrus Greening

A treatment involving laser marking has improved the success of antibiotics in treating a disease that has been ravaging Florida's citrus crops for a decade. Laser marking leaves with 250- μ m-diameter indentations significantly enhanced the penetration of foliar-applied substances.



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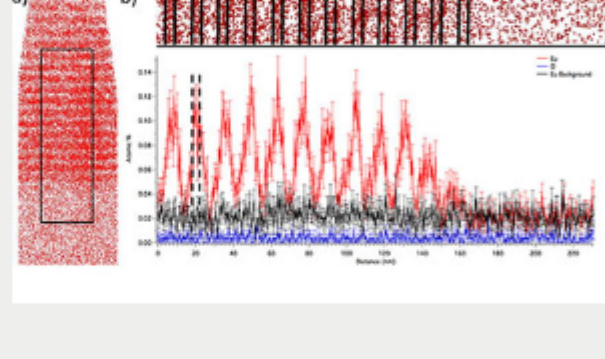
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Red LED Optimization Reveals Oxygen's Role in Optoelectronics

Investigation of oxygen's contradictory role in optoelectronics has led to a method to fine-tune the performance of europium (Eu)-doped gallium nitride (GaN) devices, which could provide the red colors in LEDs and other displays.



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Nanoengraving Technique Uses Chemical Etching to Achieve 100-nm Resolution

A femtosecond laser deposition mechanism has achieved patterns on glass with 100-nm resolution. The method could allow quick and inexpensive production of nanoscale sensors and chips.



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Featured Video

OSA Centennial – Susan Houde-Walter, Lasermax

The Optical Society members share their reflections on 100 years of optics innovation, what inspired their interest in the field and how OSA has impacted their career.



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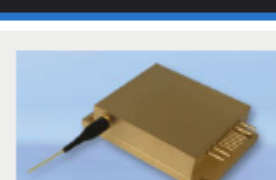
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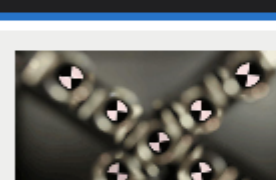


Wavelength Stabilized Diode Lasers

PhotonTec Berlin

PhotonTec Berlin GmbH is now able to provide wavelength stabilized diode lasers at 785nm, 808nm, 976nm and 981nm.

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Meridian Camera Test System

Optikos Corporation

Meridian Systems provide high-speed production testing for small aperture devices such as webcams, and vehicle and cell phone cameras.

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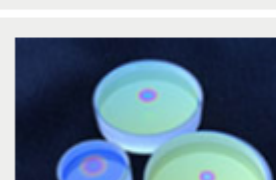


Injection Molding

Diverse Optics Inc.

Diverse Optics creates custom precision polymer optics. We manufacture the most challenging components, modules, and assemblies for defense, medical, and commercial applications.

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Graded Reflectivity Mirrors

BMV Optical Technologies

Along with GRMs, BMV Optical Technologies manufactures a wide range of custom optics such as lenses, beamsplitters, laser mirrors, etalons, thin-film coatings and many others.

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Industry Events

SPIE Advanced Lithography

Feb. 21-25 - San Jose, Calif.

This lithography industry conference and exhibition draws more than 2,300 attendees, 50 exhibitors and 600 technical papers. Topics include extreme-ultraviolet (EUV); alternative technologies; metrology, inspection and process control; advances in patterning materials and processes; optical microlithography; optimization of design, process and technology for manufacturability; and etch technology for nanopatterning.



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Webinars

CMOS-Integrated Nanophotonics Technologies for Short-Reach Communications Links

Thursday, Jan. 28, 1-2 p.m. EST

This webinar will provide an overview of monolithic front-end-integrated electronic/nanophotonic CMOS technology that has been developed at IBM for single-mode optical short-reach transceivers at data rates up to 25 Gb/s.

Presenter Douglas Gill is a research staff member at IBM's T.J. Watson Research Center in Yorktown Heights, N.Y., where he works on electro-optic systems monolithically integrated within CMOS electronics.

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