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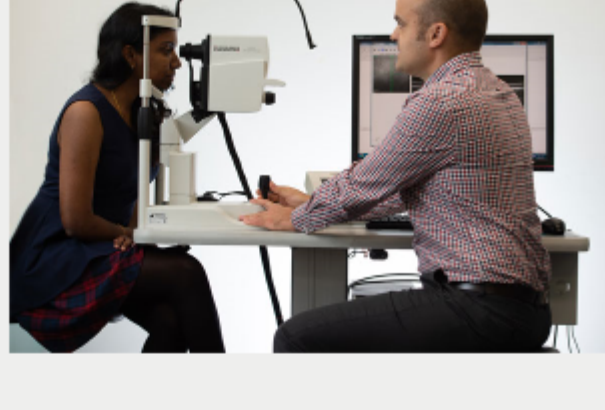


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Top Stories

AI, Deep Learning Allow More Accurate Eye Testing

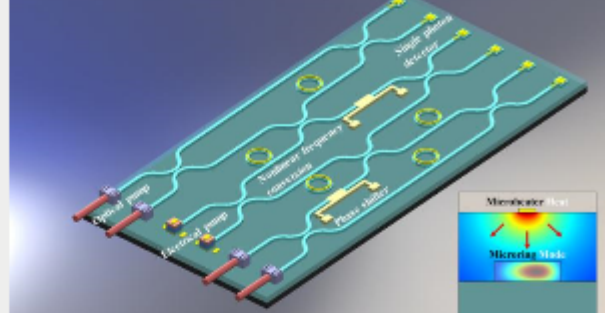
Researchers at Queensland University of Technology (QUT) are now able to analyze OCT images of the eye closer and more accurately than ever before. The researchers have developed a more detailed and accurate way to evaluate such images, particularly the back of the eye, using artificial intelligence (AI) deep learning techniques.



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Integrated Silicon Carbide Optical Switch Can Be Thermally Tuned

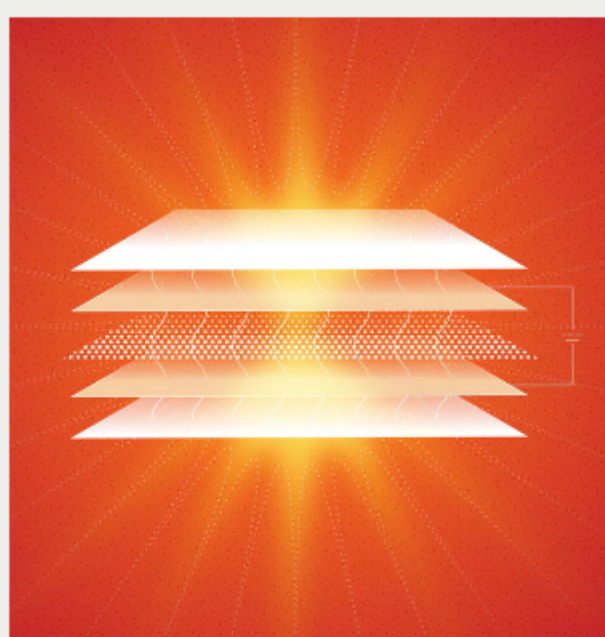
Researchers at Georgia Institute of Technology have integrated a microheater and a microring resonator onto a silicon carbide (SiC) chip, creating a photonic integrated chip that can be thermally tuned by applying an electric signal. The approach could one day be used to create a range of reconfigurable devices such as phase-shifters and tunable optical couplers.



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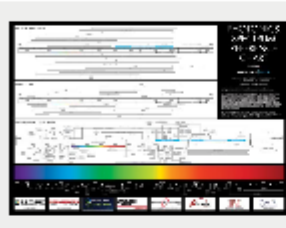
Hybrid LED Could Power LiFi, Electrically Driven Lasers

A City College of New York (CUNY) research team has demonstrated an LED based on half-light, half-matter quasiparticles in atomically thin materials. The device was fabricated using stacks of atomically thin semiconductor materials embedded in an optical cavity.



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Featured Products



Photonics Spectrum Reference Chart

Photonics Media
This full-color, 30 x 20.5-inch poster of the photonics spectrum displays the major commercial laser lines, detectors and optical materials in the ultraviolet to the far-infrared and beyond. The chart was updated in 2018 to reflect the changing technologies in the photonics industry. The convenient format makes it easy to quickly find the information you need. Laminated and non-laminated versions are available. Visit the Photonics Media Bookstore to order your copy!

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Polarization-Maintaining Fiber Market and Competitive Analysis – June 2019

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The competitive polarization-maintaining (PM) fiber market is expected to grow over the next five years at rates between 5% to 12% depending on the market segment, but there's a lot more to the market than a growth forecast. Before you put your project out for bid or invest in new PM fiber product development, it pays to get the whole picture. This new PM Fiber Market report was written by an analyst with three decades of fiber market experience and a finger on the market's pulse today.

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More News

Visible-Light-Activated Prodrug Can Combat Chemo's Side Effects

To avert potential "collateral damage" caused by antitumor drugs, a research team at City University of Hong Kong (CityU) has developed a small-molecule platinum(IV) anticancer prodrug called phorbiplatin. Phorbiplatin is shown to be inert in the dark, but it can be controllably activated under low-power red-light irradiation.



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Monroe Community College Awarded \$4.4M by Naval Research Office for Training Optics Techs

Monroe Community College has been awarded a \$4.4 million grant by the Office of Naval Research for its Defense Engineering Education Program in Optics (DEEP OPS). The program will increase the national optics workforce through innovative training programs that prepare students for these high-demand jobs that support the Department of Defense.



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Danforth Center Expands to Include New Lab, Technologies [Read Article](#)

Industry Events

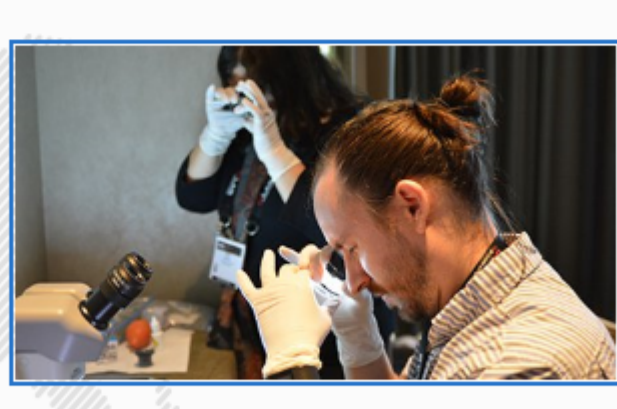
SPIE Optifab 2019

October 14-17, 2019 - Rochester Riverside Convention Center - Rochester United States

Photonics Media Booth: 1115

Optifab, organized jointly by SPIE and APOMA, is the largest optical manufacturing conference and exhibition held in North America. Optifab focuses on classical and advanced optical manufacturing technology and gives conference attendees an opportunity to interact with worldwide experts in the field of optical fabrication. With over 180 exhibitors and numerous opportunities for training and education, Optifab will give you insight into the optical fabrication market, help you improve your processes, and assist you in making key business connections.

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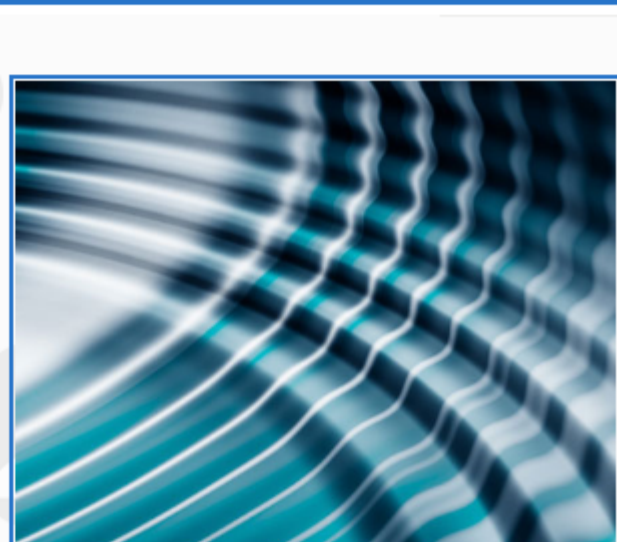
Webinars

Leak Testing Sealed Laser and Photonics Components

Tue, Oct 15, 2019 11:00 AM - 12:00 PM EDT

Sealed components in the laser and photonics industry often have very stringent leak test requirements. While everything leaks, determining how much, particularly when components and acceptable leak rates are very small, presents some unique challenges. In this webinar you will learn how mass spectrometer leak detection using helium as a tracer gas can readily solve these challenges.

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