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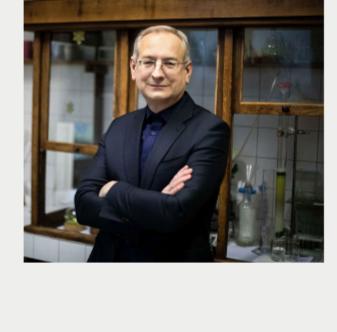


A podcast from Photonics Media (P) 🐠 🚍

Tandem Solar Cell Demonstrates 29.15% Efficiency

efficiency in a solar cell made of perovskite and silicon. This value was certified by the CalLab of the Fraunhofer Institute for Solar Energy Systems. It represents a new world record for a tandem solar element, the KTU researchers said.

Scientists at Kaunas University of Technology have achieved 29.15%



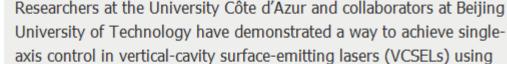
Metalenses

Read Article









Researchers Demonstrate VCSEL Control Using Ultrathin

flat, ultrathin optical structures called metalenses. Read Article

Researchers at the University of Illinois at Urbana-Champaign have

paired infrared capabilities with high-resolution optical microscopy and

X-axis (mm)

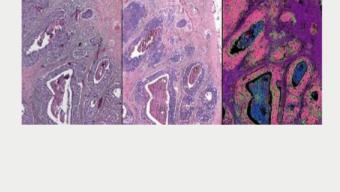






machine learning to bring cancer diagnostics into the digital era. The

researchers developed the microscope by adding an infrared laser and a specialized microscope lens called an interference objective to an optical camera. Read Article 3 7 6 6



Defense & Aerospace

the last decade or so of

Photonics Media

Featured Products







Photonics Media Optical Fabrication is a new book



Optical

Fabrication

interested in the methods, materials and measurement techniques used

for anyone working on or

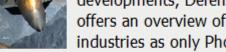
Optical Fabrication

in modern lens and optical

component manufacturing. The book will serve as an introduction or update, moving beyond methods and materials to design and complex Request Info Visit Website



sensing.



Defense & Aerospace

developments, Defense & Aerospace offers an overview of these industries as only Photonics Media can present it — from laser paint removal and laser bonding in aerospace, to breakthroughs in quantum Request Info Visit Website

Drawing mainly from the pages of

Photonics Spectra and focusing on

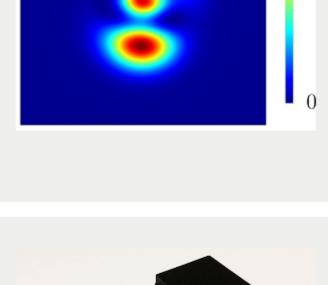




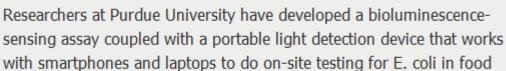
machine learning to the challenges of reconstructing quantum states. Their findings show that machine learning can reconstruct quantum

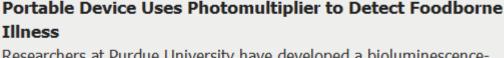
states from experimental data even in the presence of noise and detection errors.

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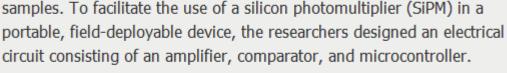


Illness Researchers at Purdue University have developed a bioluminescence-

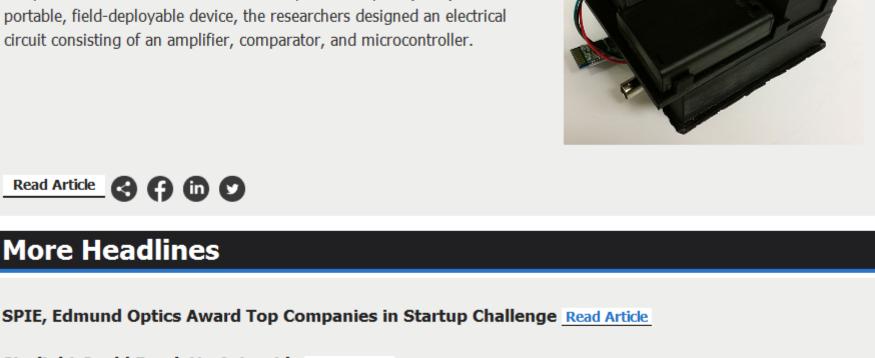








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from all over the world to teach and learn, make connections, and move the industry forward. The five-day technical conference will feature peer-reviewed presentations and more than 180 invited

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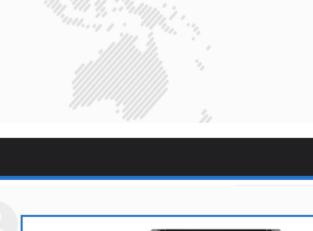
Webinars

latest products and innovative solutions.

Optical Design and Fabrication: Considerations for Going Custom Tue, Feb 25, 2020 1:00 PM - 2:00 PM EST This webinar will address the items to consider when designing and fabricating a custom lens for any given system. Presenter Stuart Singer, chief executive officer at Schneider Optics, Inc., will review the basic parameters and specifications required to analyze a possible

requirements. He will review basic optics principles and provide practical guidance on optical specification, and will address custom lens design fabrication tolerances with regard to cost and feasibility for single application as well as serial mass production. You will learn how to convey your requirements to an optical design/fabrication company to obtain meaningful quotes and a full understanding of your options. Sponsored by LaCroix Precision Optics, Applied Optics Center, ZYGO, and Precision Glass & Optics. Register Now

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solution, or lens solutions that are fully modified to meet your

commercial off-the-shelf (COTS) lens solution, a modified COTS lens





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