

This Week in PHOTONICS



LightMachinery
Excellence in Lasers and Optics



Hyperfine Spectrometer
A sub-picometer resolution spectrometer in a compact package.

Top Stories

Giant Terawatt Laser Takes Aim at Lightning Strikes from Atop Swiss Alps

TRUMPF reports that the first experiments in the EU Laser Lightning Rod (LLR) project, in collaboration with the University of Geneva, are complete. The project uses an high-repetition terawatt laser that the collaborators have placed at the top of Säntis, a mountain in the Swiss Alps.



[Read Article](#)

Apple Supplier Rockley Photonics Unveils Wearable Health-Monitoring Tech

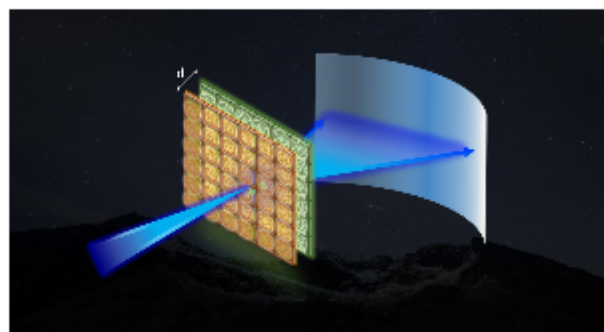
Rockley Photonics unveiled a health monitoring solution that it is calling a "clinic-on-the-wrist" digital health sensor system. Through the technology, which uses a miniaturized chip that provides continuous, noninvasive monitoring of core biomarkers, Rockley expects to be able to overcome the key challenges associated with mobile wellness monitoring.



[Read Article](#)

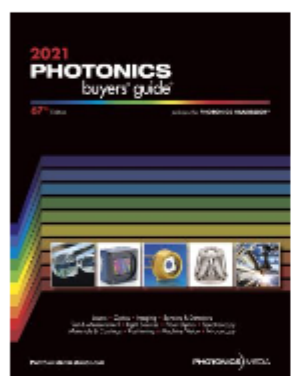
Miniature Telescope Could Improve Lidar Performance, Advance Planar Optics

A University of Central Florida (UCF) team has developed a device made with cascaded liquid crystal (LC) flat optical elements, called a miniature planar telescope, that allows efficient, wide-angle, high-precision laser beam steering. The miniature planar telescope achieves steering angle magnification independent of the incident beam position.



[Read Article](#)

Featured Products



The 2021 Photonics Buyers' Guide

Photonics Media

If you buy products and services related to lasers, optics, imaging, sensors, detectors, test and measurement, light sources, fiber optics, spectroscopy, materials and coatings -- you need the Photonics Buyers' Guide. Our editors verify all 4000+ company listings annually, making it the most trusted, accurate and comprehensive global photonics buyers' resource available.

[Visit Website](#)

[Request Info](#)



Image Quality Measurement Service

TRIOPTICS GmbH

With the ImageMaster® HR TempControl measurement service TRIOPTICS measures the image quality of your optics from -40 °C to +120 °C. Do you want to ensure that cameras used in safety-critical applications, e.g. in the automotive or defense sector, transmit reliable images even under extreme temperature conditions?

[Visit Website](#)

[Request Info](#)

SONY Pregius™ S MAXIMUM PERFORMANCE

Next generation sensor **IMX541** now available in the versatile **uEye SE!**



iDS

IMX541
20.35 MP

Webinars ON DEMAND Available 24/7

In-Depth Presentations

Q&A's featuring top industry experts

PHOTONICS MEDIA
THE PULSE OF THE INDUSTRY

More News

[Novanta Adds Robotics, Precision Motion Capabilities with ATI Acquisition](#)

[Jenoptik Sells Non-Optical Metrology Business to Marposs](#)

[High-Efficiency PICs Accelerate Telecom Speeds to 40 Tbit/s](#)

[Velodyne CEO to Step Down](#)

[GlobalFoundries to Build New Fab in Upstate NY](#)

Sensors Converge
Design Innovation Meets Tech Innovation
REGISTER NOW
Sept. 21-23, 2021
San Jose, CA & Streaming Globally

AeroDef Manufacturing westec
November 16-18, 2021
Long Beach, CA
REGISTER TODAY
powered by sme

Upcoming Webinars



Toward Global Quantum Networks

Thu, Aug 12, 2021 1:00 PM - 2:00 PM EDT

In this webinar, Liang Jiang, Ph.D., professor at the University of Chicago Pritzker School of Molecular Engineering, introduces quantum technologies demonstrated to boost communication rates over long distances. The end goal: global quantum networks, realized. This webinar is the third presentation in Hamamatsu's Quantum Technologies Series, presented by Hamamatsu Corporation.

[Register Now](#)



CALL FOR ARTICLES!

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines (*Photonics Spectra*, *BioPhotonics*, *Vision Spectra*, and *EuroPhotonics*). Please submit an informal 100-word abstract to editorial@photonics.com, or use our [online submission form](#).



We respect your time and privacy. You are receiving this email because you are a Photonics Media subscriber, and/or a member of our website, Photonics.com. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949

© 1996 - 2021 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.