

# This Week in PHOTONICS



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**LightMachinery**  
Excellence in Lasers and Optics



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

## .: Top Stories

### A Laser History of Lincoln Laboratory, Part 2

The MIT Lincoln Laboratory has been the site of numerous discoveries and has yielded some incredibly important technologies — many of them based on lasers.

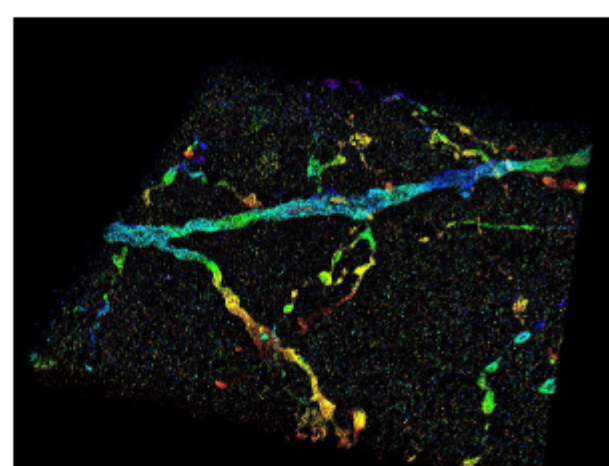
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### Imaging Technology Allows Superresolution of Nanoscale Structures Inside Whole Cells

Purdue University researchers have developed a technology that enables 3D superresolution imaging inside whole-cell or tissue specimens. The technology allows scientists to locate the positions of biomolecules inside whole cells and tissues with a precision down to a few nanometers.

[Read Article](#)



### Technique Reveals Contagion Spread from Improper PPE Use

A physician from Florida Atlantic University's Schmidt College of Medicine and collaborators from the University of Arizona College of Medicine-Tucson and the Indiana University School of Medicine have discovered the presence of fluorescent solution on personal protective equipment (PPE), indicating an exposure to COVID-19.

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## .: Featured Products



[UV-C Radiometer for Disinfection Effectiveness and Safety of UV-C LEDs and Germicidal Lamps](#)

#### Gigahertz-Optik Inc.

The X1-1-UV-3726 radiometer enables the effectiveness of UV germicidal irradiation (UVGI) to be accurately determined for both low pressure mercury (254 nm) germicidal lamps and UV-C LEDs. Additionally, the device has sufficient sensitivity to detect if undesired exposure poses a photobiological safety risk to users.

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[NEW Pulsed MIR Laser Spectrum Analyzer](#)

#### Bristol Instruments Inc.

Bristol Instruments now offers

a laser spectrum analyzer for pulsed lasers that operate from 1 to 12  $\mu\text{m}$ . The model 772B-MIR measures wavelength to an accuracy of  $\pm 10$  parts per million, and bandwidth and longitudinal mode structure to a resolution of 4 GHz.

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[LIGHT: Introduction to Optics and Photonics, Second Edition](#)

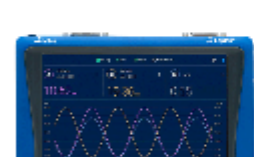
#### Photonics Media

Offering a comprehensive treatment of the subject as well as key applications, and employing minimal math, LIGHT: Introduction to Optics and Photonics was

written with readers in mind. This textbook is for beginning students of optics and photonics in high school, community college, and university STEM courses.

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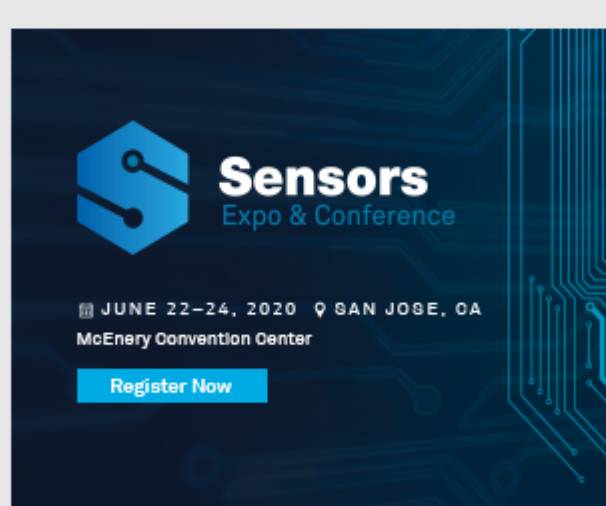
[Full Color Touchscreen Power Meter](#)

#### Ophir, Photonics

Ophir® Centauri is a compact, portable laser power/energy meter for precise measurements of laser performance over time. It features a large, full-color, seven-inch touch-screen for visual review of data using a wide range of graphical display formats, such as Digital with Bargraph, Pulse Chart, and Real Time Statistics Displays.

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[Boston Dynamics Partners with Vinsa to Build Models for Visual AI Workflows](#) [Read Article](#)

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[Vision Ventures Appoints Yates as Director](#) [Read Article](#)

## .: Upcoming Webinars



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