

This Week In PHOTONICS

PHOTONICS MEDIA

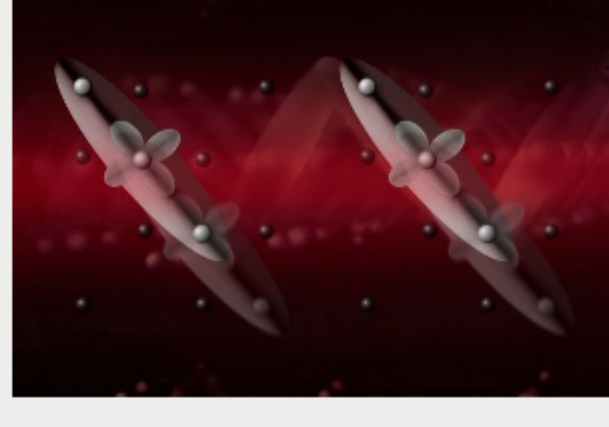


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Top Stories

Dancing Electrons Solve Long-Standing Puzzle of Oldest Magnetic Material

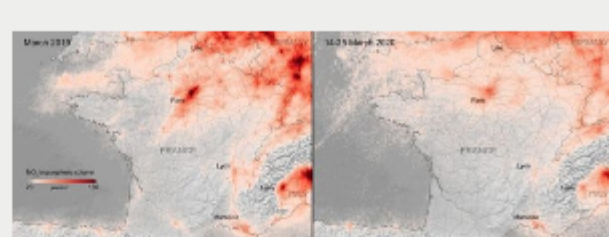
An international team of experimental and theoretical researchers has discovered fingerprints of the quasiparticles that drive the phase transformation in magnetite, according to a paper published March 9 in Nature Physics.



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Satellite Shows COVID-19 Lockdown Linked to Drop in Air Pollution Across Europe

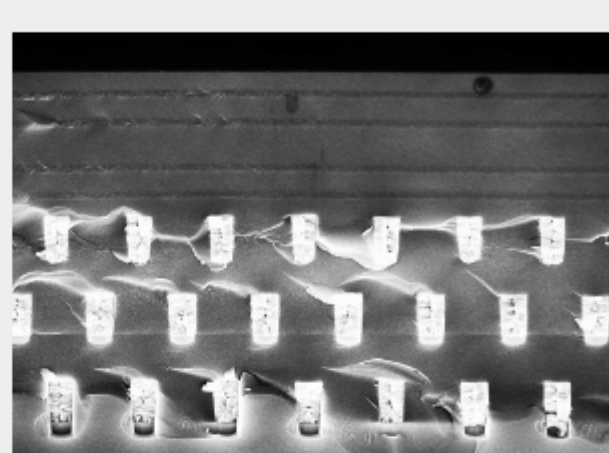
Scientists from the Royal Netherlands Meteorological Institute (KNMI) have been using data from the Copernicus Sentinel-5P satellite to monitor both weather and pollution over Europe.



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Super-Planckian Thermal Radiation Emitted From Photonic Crystal at Optical Wavelengths

Since the late 19th century, scientists have understood that, when heated, all materials emit light in a predictable spectrum of wavelengths. But a material that appears to exceed the limits set by Planck's law has been experimentally demonstrated by researchers at Rensselaer Polytechnic Institute (RPI).



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Featured Products



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.

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IDS NXT Ocean: AI for Vision Tasks

IDS Imaging Development Systems GmbH

Grab – label – train – run AI. IDS NXT ocean is an all-in-one system which allows you to create individual neural networks and realize AI-based vision tasks. There is no need for deep learning or programming skills!

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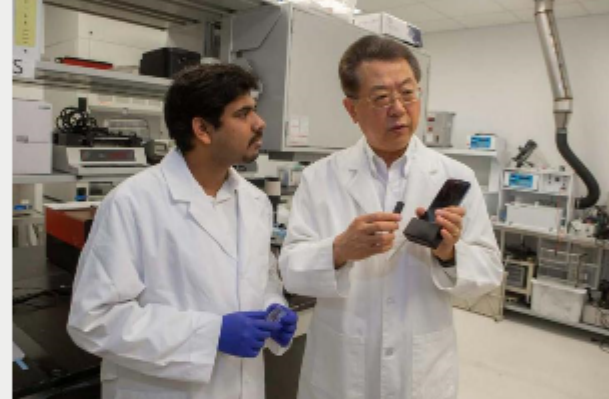
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More News

Smartphone-Based System Tests for Infectious Diseases, Sends Results to Doctor

Engineers at the University of Cincinnati (UC) have created a tiny portable lab that plugs into a smartphone. The lab, which is about the size of a credit card, can diagnose infectious diseases such as coronavirus, malaria, HIV, or Lyme.



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Working Remotely? Dial In to a Photonics Media Webinar

This spring, there will be many opportunities to learn about the latest advancements and applications in photonics while you work at home. Optics, biophotonics, machine vision, and lighting technologies are some of the areas that we'll be covering over the next few months in our webinars.



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More Headlines

[VSBLTY and RadarApp Testing Crowd Temperature Scanning as COVID-19 Screening Tool](#) [Read Article](#)

[AI and Terahertz Radiation to Help Doctors Fight COVID-19](#) [Read Article](#)

[The Missing Link to the Quantum Internet](#) [Read Article](#)

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[Olympus Announces 2019 Light Microscopy Award](#) [Read Article](#)

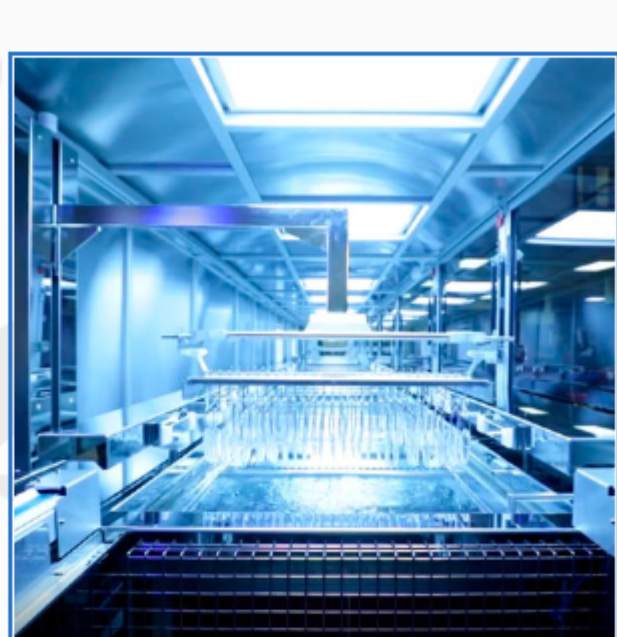
Webinars

Getting Specific About Coating Specifications

Wed, Apr 15, 2020 1:00 PM - 2:00 PM EDT

In this webinar, the technical team at North American Coating Laboratories (NACL) will provide a basis for specifying, testing, and confirming that your coating needs are clearly stated on drawings and are clearly conveyed to your coating solutions provider. To achieve this, the NACL team asks that you let them know what challenges you have faced or are facing currently with regard to specifying and testing difficult coatings and meeting your coating requirements. You can do this when you complete the registration process. The NACL team will review all responses and prepare a presentation that is customized to the concerns of the registrants.

[Register Now](#)

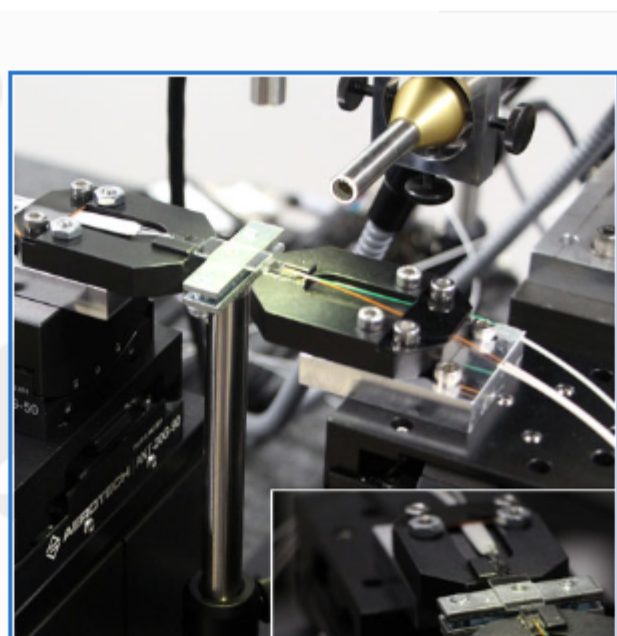


Positioning Equipment for Automated Fiber Optics Device Manufacturing: Practical Ways to Solve Challenging Problems

Wed, Apr 22, 2020 1:00 PM - 2:00 PM EDT

For fiber optics manufacturing, selecting and implementing the right positioning subsystem is critical for automated alignment, probing, and packaging equipment. This webinar, presented by Aerotech Inc., will explain how to optimize the performance of automated positioning systems in the most difficult fiber optics manufacturing processes. Attendees will learn how to achieve the positioning resolution that meets alignment tolerances, as well as how to achieve repeatability in high-volume manufacturing environments. Anyone using positioning equipment to solve fiber optics manufacturing challenges will benefit from attending.

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