Thursday, September 3, 2020

This Week in PHOTONICS

PHOTONICS MEDIA photonics.com

.: Top Stories

AIM Photonics' New CEO Sets Course for US Leadership in the Integrated Photonics Industry

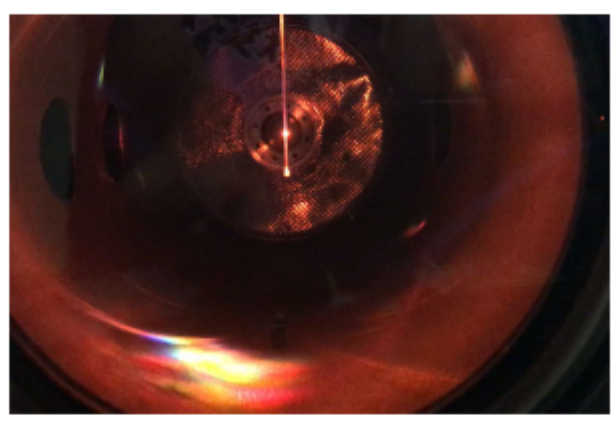
No one can accuse Michael Cumbo, the new CEO of AIM Photonics, of being risk-averse. In the middle of a pandemic, he left the Bay Area and an executive position at ZYGO Corp. to drive across the country to assume leadership for an organization he had never visited and whose management and staff he had met only virtually.

Read Article

Researchers Generate Attosecond Light from Industrial Laser

Researchers at the University of Central Florida (UCF) have shown that industrial-grade lasers can be used to generate attosecond pulses. The ability to use industrial-grade lasers, as opposed to complex systems, could make attosecond scientific techniques more accessible to researchers from all disciplines.

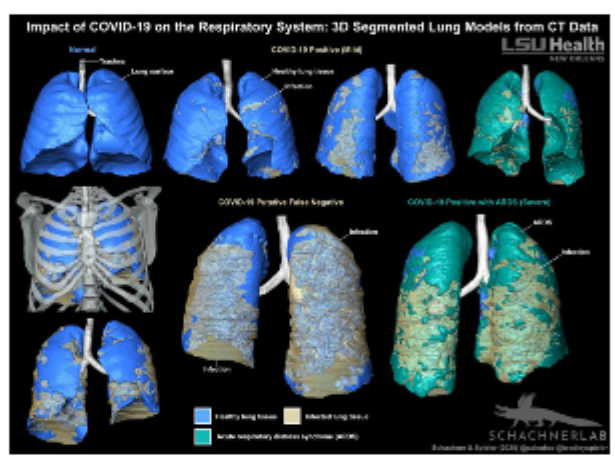
Read Article



3D Imaging Tool Can Aid in COVID-19 Diagnoses

Scientists at LSU Health New Orleans have shown that 3D segmented digital models of the lungs could provide a way to more clearly evaluate the extent and distribution of COVID-19-related infection in the respiratory system, as opposed to straight radiographs, CT data, or reverse transcription polymerase chain reaction (RT-PCR) alone.

Read Article



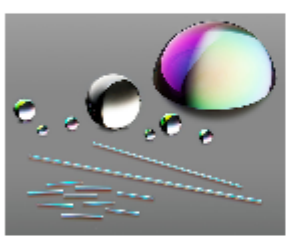
.: Featured Products

[(26) 2018 IPG Photonics Ytterbium Fiber Lasers](#)

The Branford Group

Surplus Equipment to the Ongoing Operations of GE Additives Business. GE Additives has partnered with The Branford Group to Auction (26) 2018 IPG Photonics 100 to 1000 Watt Ytterbium Fiber Lasers. Pristine — Never before used and still in boxes!

Visit Website **Request Info**



[AR Conformal Coatings](#)

Deposition Sciences Inc. (DSI)

The unique aspect of the Deposition Sciences' Low Pressure Chemical Vapor Deposition (LPCVD) process is its ability to uniformly coat all surfaces at once, on even the most complex shapes. For more information, contact us today!

Visit Website **Request Info**

.: More News

Researchers Demonstrate Cost-Effective, Scalable, Thin-Film Lithium PICs Read Article

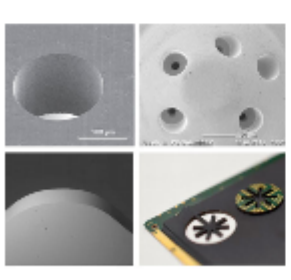
University of Rochester to Be Site of NSF Physics Frontier Center Read Article

Liquid Crystal Improves Metalens Design Read Article

SPIE Adds to Presidential Chain at Optics and Photonics Digital Forum Read Article

Dover Acquires Solaris Laser SA Read Article

.: Upcoming Webinars



Ultrafast Laser Micro-Machining – Fundamentals and Process Optimization

Tue, Sep 15, 2020 1:00 PM - 2:30 PM EDT

This presentation with Norman Hodgson, Ph.D., Vice President for Technology and Advanced Research at Coherent, Inc., will provide an overview of the interaction of ultrafast pulses with materials in the infrared, green and ultraviolet wavelength range as a function of the pulse fluence and the pulse duration, and present guidelines for the process optimization for 25 different materials commonly used in industrial manufacturing. These guidelines will include the optimum choice of pulse fluence, pulse duration, laser wavelength, and temporal pulse sequence (e.g. burst mode operation) to maximize process speeds and minimize the heat affected zone, addressing industrial applications.

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.