

This Week in PHOTONICS



PHOTONICS spectra CONFERENCE January 19-22 2021 Register for free!

Over 60+ presentations
Lasers • Optics
Spectroscopy • Biomedical Imaging

.: Top Stories

Inaugural *Photonics Spectra* Conference to Highlight Innovations in Lasers, Optics, More

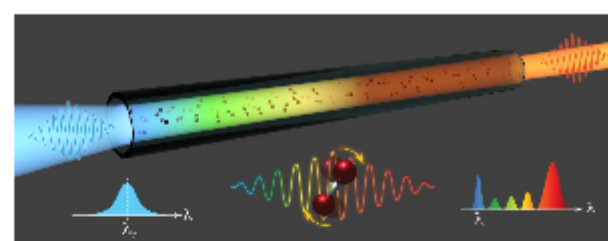
The first Photonics Spectra Conference is set for Jan. 19-22, featuring presentations in four tracks: lasers, optics, biomedical imaging, and spectroscopy. Each day-long program will feature a keynote address and sessions highlighting the latest in applications, industry trends, and technological development, with expert insights from across academia and industry.



[Read Article](#)

Nitrogen-Filled Hollow-Core Fiber Moves Laser Spectra to the Infrared

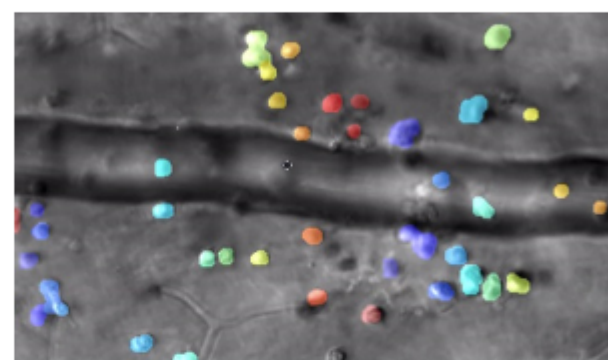
Institut National de la Recherche Scientifique (INRS) researchers introduced a method for tuning a laser's spectrum to the infrared range. In collaboration with international partners, a team led by Luca Razzari used a hollow-core fiber filled with nitrogen to deliver optical pulses shorter than those delivered by the input laser, and with a high spatial quality.



[Read Article](#)

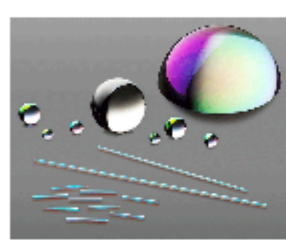
Microscopy, Infrared Videography, AI Capture Immune Cell Interactions in Eye

A novel microscopy technique that expands on existing principles of adaptive optics — first developed to capture images of the sky without distortions from Earth's atmosphere — has enabled University of Rochester researchers to track, in real time, the interactions of immune cells in a living eye without damaging the cells or surrounding tissue.



[Read Article](#)

.: Featured Products



AR Conformal Coatings

Deposition Sciences Inc. (DSI)

The unique aspect of our LPCVD process is its ability to uniformly coat all surfaces simultaneously, on even the most complex shapes; from ball lenses as small as 0.2 mm to 8" diameter domes. Contact us today to discuss your requirements.

[Visit Website](#)

[Request Info](#)



SYNOPTICS Now Offers IBS Coatings

Northrop Grumman Synoptics

Quasi-Rugate thin film designs are optimized for high-power laser applications for ultra-fast through CW applications across the wavelength range of 355 nm to 2200 nm. Each design has a unique refractive index profile specifically tuned to give optimal performance for our customer's applications.

[Visit Website](#)

[Request Info](#)

2021 Prism Awards Call for Entries
Deadline: October 31

SONY Pregius™ S
MAXIMUM PERFORMANCE

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



iDS

.: More News

[Photon Connection Helps Researchers Entangle Large, Distant Objects](#) [Read Article](#)

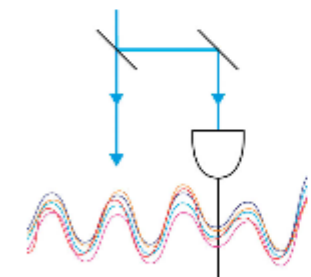
[OFC 2021 Moves to June](#) [Read Article](#)

[AdvanTech, Quanergy Partner for Lidar-Based Solutions](#) [Read Article](#)

[On-Chip Laser Light Generates Spectrum of Colors](#) [Read Article](#)

[VR Software, Superresolution Microscopy Take Scientists Inside Human Cells](#) [Read Article](#)

.: Upcoming Webinars



Dynamic Error Reduction via Galvo Compensation

Wed, Oct 28, 2020 1:00 PM - 2:00 PM EDT

This webinar with Scott Schmidt of Aerotech, Inc. will cover problems that arise in fixed-beam positioning (i.e., moving load) where the large moving mass of a system becomes a difficult problem to solve and address how these challenges may be overcome with hybrid stage-scanner system architectures. Analysis of overall/systemic errors will also be presented. Presented by Aerotech, Inc.

[Register Now](#)

.: All Things Photonics

In part 2 of our conversation with MacArthur Fellow Manu Prakash, he takes us inside his lab at Stanford and sheds light on the value of all that we don't know. Episode 3 concludes with Sujatha Ramanujan, managing director of the Luminata Accelerator, and an assurance that there is no better time to innovate in our field of photonics.

[Listen Now](#)



© John D. and Catherine T. MacArthur Foundator- used with permission.



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 - 2020 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.



Laurin Publishing