

# euro PHOTONICS



Quarterly newsletter from Photonics Media highlighting the latest photonics news, features and products from Europe. Manage your Photonics Media membership at [Photonics.com/subscribe](https://Photonics.com/subscribe).

sponsor

**STABILIZING THE LINE OF SIGHT**

By **Peter J. Kennedy and Rhonda L. Kennedy**

A methodology and an example for executing a successful end-to-end line-of-sight pointing design.

**NEW** from Photonics Media Press  
PHOTONICS MEDIA PRESS

[Order today ▶](#)

## Remote Sensing Puts Focus on Climate Change

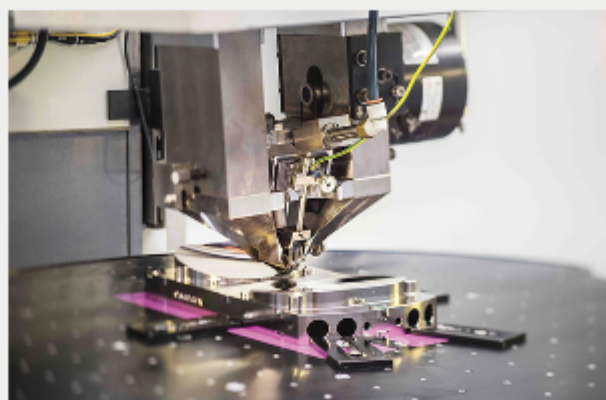
As temperatures and carbon dioxide concentrations rise to levels not previously recorded, shifts in weather and other environmental changes are impacting the global landscape. With the U.N. recording one climate-related crisis every week in 2019, such as the forest fires in the U.S. and bushfires in Australia, the consequences of such a globally disrupted climate are many and difficult to track. This is so because of variables such as altitude, movement, and the size of equipment used to measure these phenomena.



[Read Article](#)

## Freeform Optics Produces a New Wave of Integration

Metal optics have been around for a long time in a variety of industrial and commercial applications. Recently, new options have been added to freeform optics in the manufacturing process. With new materials, improved precision machining, and the opportunity presented by the use of 3D printing, metal optics technology has enabled innovative design approaches using big data analysis.



[Read Article](#)

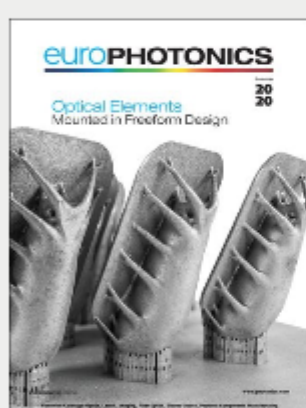
## Pandemic Delays Sessions, Drives Conferences Online

During a time of year when many representatives of the photonics industry would be gathering at conferences in Europe and beyond, the COVID-19 pandemic has necessitated a shift in the timing and format of trade shows. Some are being postponed, others are being presented virtually, and others have been outright canceled. Select events may be expected to take place as planned, while conference committees monitor the situation carefully.



[Read Article](#)

## EuroPhotonics - Summer 2020



*EuroPhotonics* is the definitive information source for the photonics industry in Europe. Expand your knowledge through our extensive, industry-specific archives.

Visit [Photonics.com/subscribe](https://Photonics.com/subscribe) to manage your Photonics Media membership.

[View Digital Edition](#) [Manage Membership](#)

## Featured Products



### Chirped & Gires-Tournois Interferometer Mirrors

#### Optoman

Do you aim for performance optimization of your Ti:Sapphire, Yb:KGW, Yb:KYW, or other femtosecond laser? OPTOMAN has a solution — GTI mirror. GTI mirror is a kind of dielectric dispersive mirror with a spatial variation of the layer thickness values.

[Visit Website](#) [Request Info](#)



### Alluxa Ultra Series Filters and Coatings

#### Alluxa

Alluxa Ultra Series Filters, including Narrowband, Dichroic, UV, IR, and Notch filters, provide the highest performance optical thin film solutions available today. For example, the Ultra Series Flat Top Narrowband filters offer the narrowest bandwidths and squarest filter profiles in the industry.

[Visit Website](#) [Request Info](#)



### Industrial Laser Safety at a Glance

#### Photonics Media

A straightforward guide, offering clear, real world explanations of laser safety elements and the necessary background materials for the industrial laser environment. It raises awareness of the dangers of laser exposure, the proper tools needed to protect oneself from the potential hazards...

[Visit Website](#) [Request Info](#)



### High Speed Laser Wavelength Meter

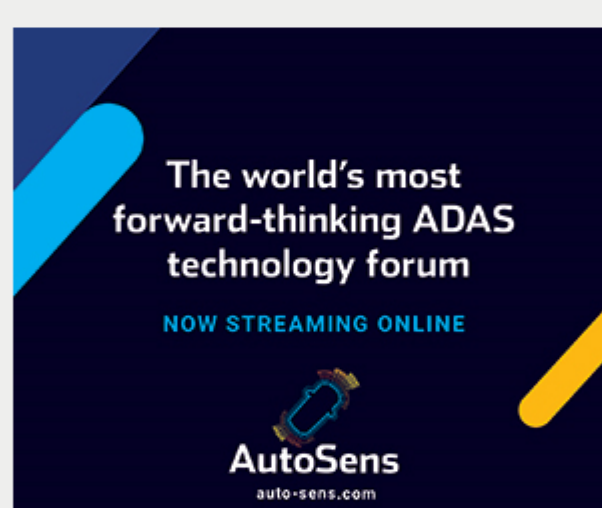
#### Bristol Instruments Inc.

Bristol Instruments' 871 Laser Wavelength Meter measures laser wavelength at a sustained rate of 1 kHz, enabling the wavelength characterization of every single pulse for most lasers. The combination of proven Fizeau etalon technology and automatic calibration...

[Visit Website](#) [Request Info](#)



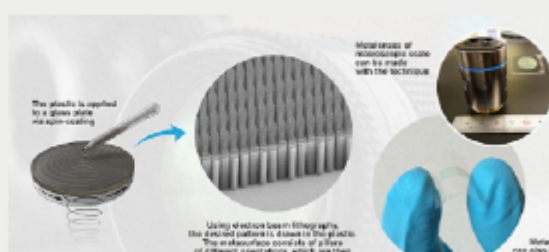
sponsors



## More News From Europe

### Fabrication Technique Brings Metasurface Production Closer

Researchers from Chalmers University of Technology have developed a new method of creating metasurfaces, which could bring mass production of ultrathin lenses closer to reality.



[Read Article](#)

### CEA-Leti Researchers Set New Throughput Record for Li-Fi Communications

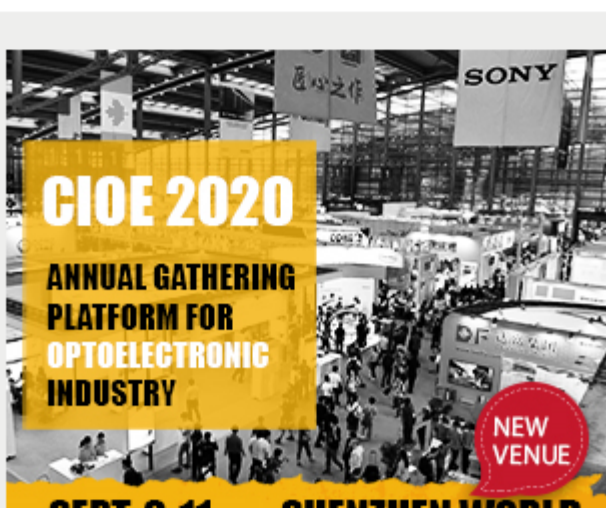
CEA-Leti has set a new world record in light communications (VLC). The researchers used a single 10-µm GaN blue micro-LED to achieve a data transmission rate of 7.7 Gb/s, compared to the previous record of 5.1 Gb/s. The transmission rate marks another step toward commercialization and use of VLC.

[Read Article](#)

### Saturable Plasmonic Metasurfaces for Laser Mode Locking

Researchers from France, China, and Brazil have developed plasmonic metasurfaces that provide an efficient saturable absorption that can be tuned with the polarization of light.

[Read Article](#)



sponsors



## Coming in the Next Issue...

### Features

Point of Care Testing, Superresolution Microscopy, EPIC Insights, and more.

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazine *EuroPhotonics*. Please submit an informal 100-word abstract to Senior Editor Doug Farmer at [Doug.Farmer@photonics.com](mailto:Doug.Farmer@photonics.com), or use our online submission form [www.photonics.com/submitfeature.aspx](https://www.photonics.com/submitfeature.aspx).

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](mailto: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.