



## WEBINARS

Join us for a **FREE Webinar**

# Innovations in Interferometry: Fourier Transform Spectroscopy in the Palm of Your Hand

**Wednesday, February 15, 2023 10:00 AM - 11:00 AM EST**

[Register Now](#)

## .: About This Webinar

Currently, Fourier transform spectroscopy most often involves large benchtop devices that measure in the infrared (IR). However, recent innovations have simultaneously shrunk the technology and unlocked its operation at wavelengths through the visible range. Alex Barker of NIREOS shares how a common-path visible interferometer functions, as well as the counterintuitive ways in which it differs from a dispersion-based spectrometer.

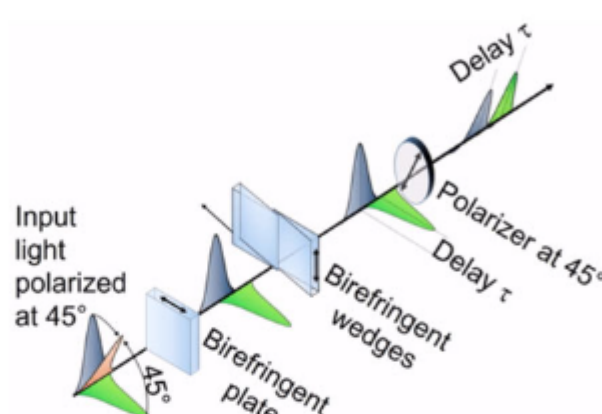
In a short time, these instruments have been used for a startling variety of spectroscopic experiments, such as time-resolved fluorescence, pump-probe spectroscopy, and stimulated Raman scattering. Using these examples, Barker demonstrates the advantages and disadvantages that common-path visible interferometers provide.

### Who should attend:

Engineers, R&D scientists, and manufacturers who utilize interferometry in their work. Those who are interested in expanding their knowledge about Fourier transform spectroscopy. Those in industries such as aerospace, automotive, communications, energy, medicine, nanotechnology, ophthalmology, and semiconductors.

### About the presenter:

Alex Barker is senior product engineer at NIREOS in Milan, Italy, where he develops new devices for Fourier transform spectroscopy. He has over 10 years of experience developing and applying spectroscopic methods in academic research labs in New Zealand and Italy, with a focus on studying photophysical processes in emerging photovoltaic materials such as organic semiconductors and halide perovskites.



## .: Mark Your Calendar

**Date: Wednesday, February 15, 2023**

**Time: 10:00 AM - 11:00 AM EST**

Space is limited. Reserve your Webinar seat now at: <https://attendee.gotowebinar.com/register/1061697652124777052?source=eblast>

After registering you will receive a confirmation email containing information about joining the Webinar.

## SYSTEM REQUIREMENTS

### Operating System

Windows® 7 or later, Mac OS® X 10.9 or later, Linux®, Google Chrome™ OS  
Android™ OS 5 or later, iOS® 10 or later

### Web Browser

Google Chrome™ (most recent 2 versions)  
Mozilla Firefox® (most recent 2 versions)

### Mobile Devices

Android™ 5 or later  
iPhone® 4S or later  
iPad® 2 or later  
Windows Phone® 8+, Windows® 8RT+

## .: More from Photonics Media

### Upcoming Webinars

- [Technical Advancements in Line-Field Confocal Optical Coherence Tomography for Improving the Management of Skin Cancer, 2/28/2023 10:00:00 AM EST](#)
- [Soft Optical Systems as Biointegrated Technologies: From Biological Research to Clinical Health Care, 3/7/2023 1:00:00 PM EST](#)

### Archived Webinars

- [3D Optical Metrology: Capabilities for a New Era](#)
- [Key Considerations for Part and Sample Holding in Interferometric Characterization](#)
- [The Growing PICs Sector's Reliance on Automation and Wafer-Level Integration in Manufacturing](#)

### Don't miss out!

[Sign up for our Webinar Alerts email today and never miss an upcoming event.](#)

We respect your time and privacy. You are receiving this email because you are a Photonics Spectra magazine subscriber. 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 - 2023 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.