



WEBINARS

Join us for a **FREE Webinar**

The Heart of Gas Sensors: Novel IR Detectors for Gas Analysis

Thursday, June 27, 2024 10:00 AM - 11:00 AM EDT

[Register Now](#)

Presented by



This webinar covers the heart of gas sensors: IR detectors. Jedrzej Mijas of VIGO Photonics discusses optical gas analysis in MIR as the most efficient gas analysis field, with special emphasis on choosing the proper IR detector for each gas sensing technique. As the most important gaseous species to detect are methane (CH₄), ammonia (NH₃), nitrous oxides (NO_x), and sulphur oxides (SO_x), techniques for accurate detection of these substances in various applications are the core of this presentation. He also addresses the pros and cons of various techniques, especially nondispersive infrared (NDIR), tunable diode laser absorption spectroscopy (TDLAS), and Fourier transform infrared (FTIR). Next, he touches on the novel IR detectors manufactured by VIGO for gas analysis, showcasing the specific features that make them the best fit for gas analysis. Finally, he describes both high-end mercury cadmium telluride (MCT) detectors tailored for gas analysis, as well as cost-effective and RoHS-compliant III-V superlattice detectors. Attendees will benefit by obtaining a clear image of IR gas analysis and will be more confident in the choice of detector for the job. Presented by [VIGO Photonics](#).



Upcoming Webinars

- [Functional Imaging and Monitoring of Tissues with Diffusing Light](#), 6/25/2024 1:00:00 PM EDT
- [Photonic Oxygen Sensing Tools for Health Care](#), 7/9/2024 1:00:00 PM EDT

Archived Webinars

- [Advanced Thermoelectric Technology for Thermal Management of Optoelectronics Applications](#)
- [COTS to Custom: Using Microscope Objectives in OEM Products](#)
- [OLED-on-Silicon for Microdisplays in AR/VR/MR and Embedded Sensing](#)

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

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949

© 1996 - 2024 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.