Monday, April 28, 2025

BioPhotonics
Bringing Light to the Life Sciences®

WEBINARS

Join us for a FREE Webinar

Laser-Based Particle Analysis: Enhancing Industrial and Biomedical Measurement Systems

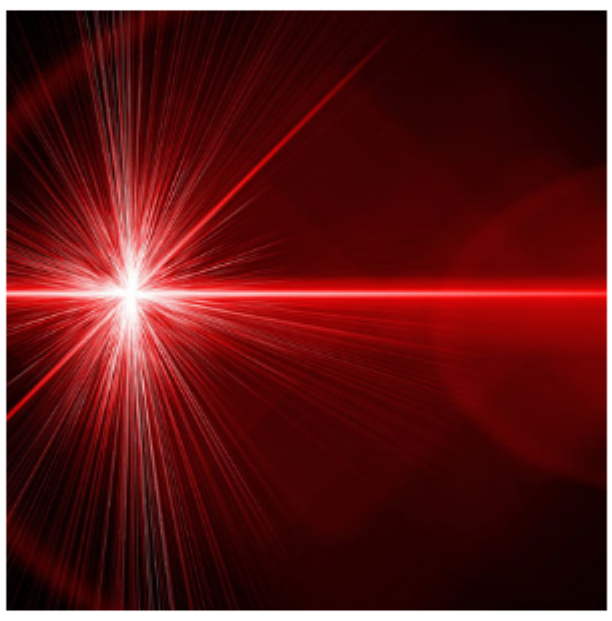
Tuesday, April 29, 2025 1:00 PM - 2:00 PM EDT

Register Now

Presented by

ProPhotonix
An Exaktera Company

In this in-depth webinar, Jeremy Lane, Managing Director of the ProPhotonix Laser Business Unit, will explore the critical role of semiconductor diode laser technology in the detection, characterization, and analysis of particulates and dispersion droplets across a wide range of industrial and biomedical applications. Laser light scattering is a widely adopted technique for particle analysis, often combined with complementary methods such as spectroscopy — many forms of which also utilize semiconductor diode lasers. Together, these technologies play a vital role in applications ranging from verifying the quality of the output in industrial manufacturing processes to detecting and quantifying airborne pollution and dust particles in environmental monitoring. In the biomedical field, laser-based systems are key to flow cytometry, where they are used to detect and characterize proteins on the surface of blood cells, measure cell size and shape, and support disease diagnostics. The webinar will also delve into how laser-based particle analysis is utilized to monitor dust concentrations in industrial environments, optimize milling processes, and aid in the development of new pharmaceuticals and food products. Don't miss this opportunity to learn how ProPhotonix's laser solutions can enhance your particle analysis applications across environmental, industrial, and biomedical sectors. Presented by ProPhotonix.



Upcoming Webinars

- Advancing Raman Spectroscopy by Using Bioresponsive Optical Nanomaterials, 5/7/2025 1:00:00 PM EDT
- How to Select a Precision Automation System for High-Volume Optical Alignment, 5/8/2025 1:00:00 PM EDT

Archived Webinars

- FLIR MIX – A Breakthrough in Infrared and Visible Imaging
- Introduction to Imaging Radiometry and FLIR Research Studio
- Simulating Nano-Optical Scattering Efficiently

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