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Medical Laser Applications: Defining Measurement Solutions That Keep the Process on Track

Wednesday, May 17, 2023 11:00 AM - 12:00 PM EDT

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Presented by



.: About This Webinar

As with any precision process, laser-based medical applications demand tight control of a laser's behavior to keep the process on track. But how is this implemented in applications? Mark Slutzki, in addition to presenting interesting medical laser applications, maps out the process for identifying and configuring the appropriate monitoring and measurement solutions as well as the most intelligent approaches to implementation. This is often not a trivial task, but the result is a model that can be used equally well in other laser applications. Slutzki shares how to define a laser process monitoring and controlling solution using the medical field as a reference application, but also considering the elements that are common to all laser-based applications.



This presentation covers:

- What, specifically, is needed to measure and how to decide?
- Where, when, and how often to measure and how to decide?
- What exactly needs to be done with the measurement results and how?

Who should attend:

R&D scientists, engineers, and manufacturers who utilize lasers in medical applications. Those who work in identifying, configuring, and monitoring test and measurement solutions. Anyone who utilizes cameras, detectors, laser systems, and light sources in biophotonics and medical applications.

About the presenter:

Mark Slutzki has been with Ophir since 2004 and serves as product manager for power and energy measurement solutions. Prior to that, he held similar positions in the semiconductor and telecom industries. He served in the Israeli Air Force as a research physicist working on special projects and has a degree in electro-optics and applied physics.

About Ophir:

Ophir is a brand within the MKS Photonics Solutions Division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters and laser beam profilers measuring femto-watt to hundred-kilowatt lasers. Their products enhance their customers' capabilities and productivity in the semiconductor, advanced electronics, and specialty industrial markets.

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