



WEBINARS

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Laser Measurement Solutions for Materials Microprocessing Applications

Wednesday, June 15, 2022 11:00 AM - 12:00 PM EDT

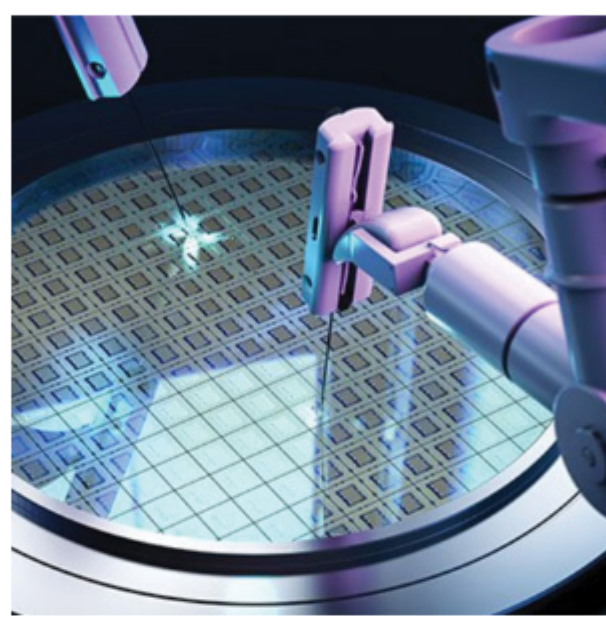
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.: About This Webinar

Those who use lasers in materials microprocessing applications — such as drilling via holes in PCBs, performing OLED display lift-off, and cutting smartphone cover glass — are faced with many challenges. The often-delicate combination of laser parameters can enable new and innovative processes, but such parameters can also cause unexpected damage to the measurement tools used to keep a process stable. These parameters include ultrashort pulse durations, high repetition rates, and short wavelengths. Mark Slutzki shares innovative solutions for the challenges that accompany materials microprocessing applications.



Attendees will learn:

- The unique ways that laser beams affect materials and how this makes new processes possible.
- Why regular measurement solutions can easily and unexpectedly be damaged by laser beams.
- New approaches specifically designed for monitoring the beams used in microprocessing applications.

At the end of the presentation, there will be an opportunity for questions.

Who should attend:

Engineers and manufacturers who use lasers in microprocessing applications. Professionals who work with laser systems for test and measurement within industries such as aerospace, automotive, biophotonics, defense, and semiconductors.

About the presenter:

Mark Slutzki is product manager for power and energy measurement solutions at Ophir. He has been with the company since 2004. 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 the sponsors:

Ophir is a brand within the MKS Instruments Light & Motion division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters, laser beam profilers measuring femto-watt to hundred-kilowatt lasers. They also offer high-performance IR and visible optical elements, IR thermal imaging lenses and zoom lenses for defense and commercial applications, OEM and replacement high-quality optics and sub-assemblies for CO2 and high-power fiber laser material processing applications. Ophir products enhance our customers' capabilities and productivity in the semiconductor, industrial technologies, life and health sciences, research and defense markets.

LaserPoint is a manufacturer of laser power and energy meters for laser measurements. Their technology allows for high accuracy measurement up to multi-kilowatts optical power levels. They also provide patented high-tech solutions to measure ultrafast lasers including femtosecond pulse duration and repetition rates as high as MHz range.

DataRay Inc. was founded in 1988 to bring high performance beam profiling to the photonics community. Since then, they have delivered a range of standard and custom beam-profiling products of increasing sophistication to this discerning market. They manufacture precision, UV to 16 μm beam profiling instruments for laser, laser assembly and fiber optic telecom beam profiling, and imaging to ISO 11146 standards.

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