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WEBINARS

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What's New in Solid-state Illumination for Optical Microscopy?

Tuesday, December 1, 2020 1:00 PM - 2:00 PM EST

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Presented by



.: About This Webinar

Solid-state, white-light illumination is furthering the capabilities and lifetimes of analytical instruments. Life and material sciences alike benefit from performance enhancements conferred to equipment formerly relegated to reliance on antiquated, mercury-containing lamps. In this webinar, Erich Zeiss of Lumencor will present recent upgrades to solid-state lighting and how they apply to specific applications for biomedical and manufacturing professionals. He will also cover refreshed features of the SOLA light engine from Lumencor for 2020 and beyond.

Today's solid-state lighting provides turnkey illumination from a long-lasting, cool, quiet, compact box. Such solid-state lamps are now engineered to provide precise spectral, spatial, and temporal control of the lighting that drives quantitative instrumentation—for high-resolution imaging and measurement—enabling unprecedented reliability and reproducibility. In this webinar, Zeiss will discuss lighting for fluorescence microscopy, high-content screening, diagnostic tests, endoscopy, robotic surgery, test and measurement equipment, and more, explaining how it can now be generated from entirely solid-state light sources. Superior power, stability, and consistency are hallmarks of such solid-state solutions, compared to traditional lamps.

Zeiss will also discuss a refreshed family of SOLA light engines from Lumencor. SOLAs are tailor-made from a host of solid-state technologies that best match the spectra and power of any mercury lamp. The average lifetime of a SOLA is more than 10 years, while maintaining brightness and stability. Uniquely high-performing with respect to active power stabilization, linearized intensity control, and microsecond on/off times, SOLA is a proven leader in the field of technical lighting. With no maintenance and no replacement parts, it's worth asking: Why would anyone use an old mercury-containing arc lamp, when clean, solid-state lighting yields better results at more cost-effective prices?

Who should attend:

Anyone working with solid-state lighting for applications like fluorescence microscopy, in the life or materials sciences, seeking answers to in-the-field design or use questions. R&D scientists, QC professionals, and others who use or purchase lamps and wish to broaden their knowledge of solid-state lighting technology from a leader in the industry.

About the presenter:

Zeiss, Lumencor's senior global sales manager, microscopy, has over 25 years of experience providing service and instrumentation to the light microscopy marketplace. He works with researchers, re-sellers, engineers, and microscope companies to bring the benefits of solid-state lighting to the optics community. He has been a voice of the customer, a product development steward, and a sales manager throughout the company's expansive growth; email: erich.zeiss@lumencor.com.

About Lumencor:

Lumencor manufactures solid-state illuminators for equipment manufacturers in the industrial, material science, and life science marketplaces. Leading manufacturers of microscopes, profilometers, ellipsometers, and high-content screening instruments come to Lumencor for bright, stable, spectrally broad, reproducible, long-lived lighting. Off-the-shelf and tailored illuminator requests are encouraged.

.: Mark Your Calendar

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