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High-Yield Optimization: Streamlining the Path to More Easily Manufacturable Optical Designs

Wednesday, November 6, 2019 1:00 PM - 2:00 PM EST

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Presented by

Zemax

About This Webinar

The conventional optical design approach results in designs that are very sensitive to manufacturing and alignment errors, which means the optical product is difficult to repeatedly manufacture successfully. A new method, called High-Yield Optimization, produces designs that meet tight performance specifications, provide a higher manufacturing yield, and lower manufacturing costs through less waste.

In this webinar, learn how you can:

- Optimize for as-built performance, rather than nominal performance.
- Account for common manufacturing defects in the design process.
- Find optical design solutions that have both good image quality and rays with low angles of incidence, which reduces the tolerance sensitivity of the resulting design when fabricated.



About the presenter:

Kenneth Moore, Ph.D., is the founder of Zemax and the author of the optical design program, now called OpticStudio. He currently serves as a technical fellow at Zemax and has spent the last 30 years developing design and analysis methods for the lens, illumination, and general optical system design industry. Moore received his doctoral degree in optical sciences from the University of Arizona and is a fellow of both SPIE and OSA, The Optical Society.

Who should attend:

Optical and system designers, engineers, scientists, and researchers who need to speed the path to high-quality design, development, and manufacturing can benefit from learning about high-yield optimization. If you need to develop high-quality products in an extremely short time frame, please join us for this webinar.

About Zemax:

Zemax's industry-leading optical product design software, OpticStudio and LensMechanix, helps optical and mechanical engineering teams turn their ideas into reality. Standardizing on Zemax software reduces design iterations and repeated prototypes, speeding time to market and reducing development costs. Zemax touches nearly every optical system manufactured today, including virtual reality systems, cell phone cameras, autonomous vehicle sensor systems, and intraocular lenses — even imaging systems for the Mars Rover. By listening to its customers, Zemax delivers unmatched value and has the largest, most passionate user base in the industry.

Mark Your Calendar

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