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The Next Step in Optical Design: How the Modeling of Optics Fabrication Avoids Common Pitfalls

Wednesday, October 12, 2022 10:00 AM - 11:00 AM EDT

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.: About This Webinar

A new methodological analysis of optics fabrication technologies enables the modeling and simulation of whole fabrication chains — by reading in lens design data. To that aim, both optical systems and optical fabrication technologies have been classified and thus enabled to digitally interconnect. Consequently, the optimal fabrication chain for a given optical element can be determined out of the about 340 existing optical manufacturing technologies.

Who should attend:

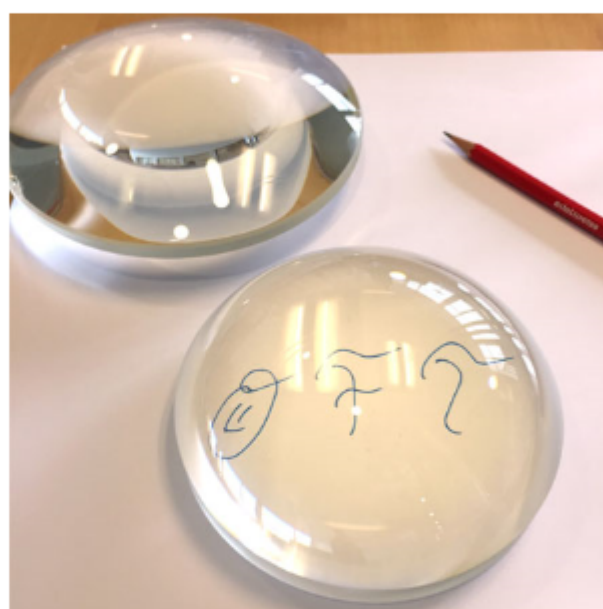
Engineers, manufacturers, and R&D scientists who are interested in optical design and fabrication. Professionals who design, build, test, or utilize optical systems for markets spanning from defense and aerospace to quantum computing and communications, and medical applications.

About the presenter:

Oliver Faehnle, Ph.D., heads the photonics systems manufacturing group at OST, the University of Applied Sciences, in Buchs, Switzerland. He is co-owner of the PanDap company. He received his doctorate in optics fabrication and testing in 1998 from the Technical University Delft in the Netherlands. He has been working and teaching in the field ever since, running projects within both academia and industry. He is a senior member of Optica and SPIE and is chairman of the industrial advisory board of the European Optical Society. In addition, he has been training and teaching Japanese sword fencing, or kendo, for more than 29 years.

About the sponsor:

Lambda Research Corp. sets itself apart as single-source solution for optical and illumination design. Their product portfolio includes the TracePro optomechanical software, CAD interface and accuracy in illumination design, OSLO optical design software, and RayViz, a ray-tracing add-in for SOLIDWORKS.



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