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A Bird's-Eye View of AR Coatings, from Concept Through Production

Tuesday, March 12, 2019 1:00 PM - 2:00 PM EDT

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About This Webinar

The most common optical thin-film coating produced today (and for more than 80 years!) is the antireflection (AR) coating. This webinar will present the concepts and design principles of AR coatings, and will discuss the equipment used in AR coating production and the process aspects of AR coatings. Many other types of coatings have evolved from these same principles, equipment, and processes. These will be touched on briefly, but the focus of the webinar will be on AR coatings.

This webinar is sponsored by North American Coating Laboratories; by Satisloh GmbH; by Bühler Leybold Optics; and by Newport Thin Film Laboratory, Inc.

About the presenter:

Ron Willey, optical design and production trainer and consultant, has over 50 years of experience in optical system and optical coating development, design, and production, with special emphasis in the areas of practical thin-films design, process development, and the application of industrial DOE (design of experiments) methodology. He is the inventor of a robust plasma/ion source for optical coating applications.

Willey worked in optical instrument development and production at Perkin-Elmer, Block Associates, United Aircraft, Martin Marietta, Opto Mechanik, and Hughes, and formed Willey Corporation, which serves a wide variety of clients with consulting, development, prototypes, and production.

He has a Bachelor of Science degree in optical instrumentation from the Massachusetts Institute of Technology and a Master of Science degree in computer science from the Florida Institute of Technology. He has published many papers on optical coating design and production. His recent books are Practical Design of Optical Thin Films, 5th ed. (2018), and Practical Production of Optical Thin Films, 4th ed. (2017). His weeklong course is offered quarterly and is also available on DVD. He is a fellow of The Optical Society (OSA) and SPIE and a past director of the Society of Vacuum Coaters.

Who should attend:

Optical engineers, designers, and managers who want to increase their practical understanding of AR optical coating design, development, and production. You will learn how AR coatings are designed and prepared for production. All industries that use AR coating technology will benefit from this presentation; it is not industry-specific.



Mark Your Calendar

Date: Tuesday, March 12, 2019

Time: 1:00 PM - 2:00 PM EDT

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