Thursday, September 27, 2018

WEBINARS

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Protective Coatings Extend Optics Lifetimes

Wednesday, October 10, 2018 1:00 PM - 2:00 PM EDT

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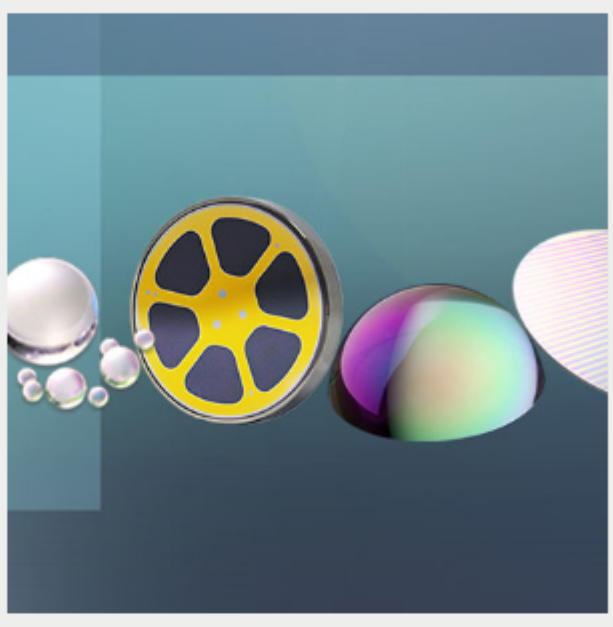
Presented by

DSI Deposition Sciences, Inc. *Quality Coating Solutions* — LOCKHEED MARTIN

About This Webinar



From military airborne applications to harsh industrial uses, optics can be subjected to significant environmental abuse over their expected lifetime. That lifetime can be extended by the use of protective coatings.

In this one-half hour webinar, you will learn why protective coatings are needed: specifically, the challenges to the integrity of optics due to abrasion, corrosion, oxidation, and other phenomena. The speaker will also provide an overview of the types of protective coatings that are used and their deposition technologies. In particular, he will tie the various coating types to the environmental challenges they are intended to address.

You will learn how the intended spectral band for your application influences the choice of coating type. Technical approaches for protecting against several specific, common environmental challenges, such as rain erosion and rain impact effect, will be discussed in detail.

The webinar will cover environmental testing and durability in a chronological fashion, going from the earliest MIL specs to the present day state-of-the-art. Finally, the speaker will touch on other coatings that have functional properties besides protection. These include hydrophobic/oleophobic coatings that add value and improved functionality to optics such as displays and windows.

About the presenter:
Eric Kurman, the chief technical officer at DSI, has over 35 years of experience in thin film and vacuum processing technology and holds a M.S. in materials science from the University of Minnesota. His depth of expertise and knowledge helps him assist engineers in problem-solving for DSI's current operations, and in developing DSI's technology roadmap for future efforts. Kurman has two primary areas of focus: First, to further develop the company's unique IsoDyn low-pressure chemical vapor deposition and MicroDyn reactive sputtering technologies; and second, to identify new processes and equipment and define methods to integrate these technologies with existing capabilities to deliver products with greater functionality and improved value to DSI customers.

Who should attend:
Optical engineers and technical professionals, mechanical and electrical engineers, and technicians who work with optical coatings and require coating solutions for a variety of applications for the automotive, biomedical, defense, aerospace, telecommunications, research and development, and other fields. Anyone who is interested in learning more about protective optical coatings from an expert on this topic.

About Deposition Sciences, Inc.
Deposition Sciences, Inc. (DSI), a wholly owned subsidiary of Lockheed Martin, provides innovative, ultra-durable optical coating solutions for aerospace, commercial, and military customers. Applications include automotive, biomedical, astronomy, military, homeland security, aviation, spacecraft, imaging, telecommunications, scientific research, and industrial R&D.

Mark Your Calendar

Date: Wednesday, October 10, 2018

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

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Mac® -based attendees
Required: Mac OS® X 10.6 or newer

Mobile attendees
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