Wednesday, January 24, 2018

WEBINARS

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Stray Light Absorption in Broadband Wavelengths

Tuesday, February 06, 2018 1:00 PM - 2:00 PM EST

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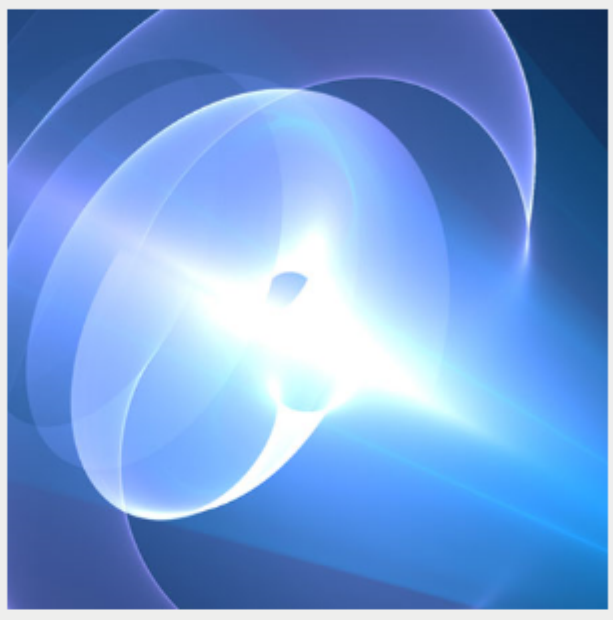
About This Webinar



Background noise caused by stray light is a persistent problem in optical devices, especially for those functioning in the IR wavelengths. This webinar will discuss the science behind broadband light absorption and introduce materials and techniques for applying optically black coatings that demonstrate ultralow reflectance across a broadband spectra, including a paint that suppresses nearly 99 percent of stray light reflection through the MWIR range. The presenter, who worked on the development of a number of coating processes for NASA, will provide examples of how low-reflectance technology is currently being used in the visible, NIR and IR wavelengths.

Who should attend: optical engineers, designers, scientists, inspectors and managers; optics and photonics educators, researchers and students who are involved in the study of optical coatings; anyone who wishes to learn more about anti-reflective coating technology. The information in this webinar will be applicable to a broad range of industries.

About the presenter: Colin Preston, Ph.D., is a senior research scientist at NanoLab, Inc. in Waltham, Mass., where he works as a project manager and primary investigator for the company's product development and coating services. At NanoLab, Preston has developed a paint formulation and coating process for applying optical black surface finishes via spray-coating, dip-coating and thermal chemical vapor deposition (CVD). He has also developed a composite metal for improved thermal and electrical conductivity. He received a Ph.D. in Materials Science and Engineering from the University of Maryland, College Park in 2014.

Mark Your Calendar

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