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Emergence of Freeform Optics in Imaging Systems: A Leap Forward

Wednesday, February 27, 2019 1:00 PM - 2:00 PM EST

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About This Webinar

Following a brief introduction, professor Jannick Rolland will discuss the historical context and applications for freeform optics. She will then present mathematical descriptions and the latest methods of optical design. As time allows, she will discuss some of the primary fabrication techniques and provide a short update on freeform metrology.

This webinar is sponsored by [Greenlight Optics](#), an integrated optical systems engineering and manufacturing company, and by [LightPath Technologies](#), a recognized leader in optics and photonics solutions for over 30 years.

About the presenter:

Jannick Rolland is the Brian J. Thompson Professor in Optical Engineering at the University of Rochester. She is the director of the Center for Freeform Optics (CeFO) supported by the National Science Foundation in the U.S. and corporations worldwide. She earned an optical engineering diploma from the Institut D'Optique Théorique et Appliquée, France, and an M.S. and Ph.D. in optical science from the College of Optical Sciences at the University of Arizona. Professor Rolland is a Fellow of OSA and SPIE. She is the recipient of the 2014 OSA David Richardson Medal and the 2017 Edmund A. Hajim Outstanding Faculty Award.

Who should attend:

Optical designers, engineers, those involved in the manufacture of optical systems, those involved in precision technologies, and anyone who is interested in increasing the compactness and performance of optical systems. Freeform optics encompasses a range of disciplines and industries, including transportation, semiconductor, displays, lighting, IR and defense, photovoltaics, remote sensing, and even quantum optics.

Read more about professor Rolland's work in the area of freeform optics here: [Freeform Optics Approach Uses Starting-Point Geometries](#) (June 2018).



Mark Your Calendar

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