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WEBINARS

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Optical Vortices and Their Interactions

Tuesday, April 25, 2023 10:00 AM - 11:00 AM EDT

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:: About This Webinar

Since the earliest theories and subsequent experiments, the study of optical vortices has offered exciting challenges to the very sciences: understanding light. Optical vortices are beams of light whose properties understand many of the standard textbook of the optical and quantum. The applications of such beams, which are also known as twisted light, have quickly grown beyond expectations. Such applications now range from clinical spectroscopy and microspectroscopy to telecommunication and quantum communication.

David Anderson, Ph.D., provides a broad introduction to optical vortices, covering the key experimental methods and theory. He also reviews the principles that determine the unusual features of optical vortices with matter. At the quantum level, single symmetry principles explain a range of novel effects, while the broader effects of various topological and structural light, interestingly, have more relevance. Some of the latest studies reveal especially exciting phenomena at the focal point of vortices, despite optical vortices' dual nature; the fact is one in which vortices, quantum theory, and symmetry can all reveal their distinct effects in straightforward experiments.

Who should attend?

Engineers and scientists interested in learning more about optical vortices and their applications. Those working in spectroscopy, laser applications, biophotonics, optical communications, and quantum research should find it a great opportunity to get a better understanding of how twisted light can be used or expanded.

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Space is limited. Reserve your webinar seat now at https://attendee.gotowebinar.com/register/9220502384339264282

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SYSTEM Requirements

Operating Systems

Windows® 7 or later, Mac® OS X 10.3 or later, Linux®, Google Chrome™ 86 or later, Android™ OS 5.0 or later, iOS® 10 or later

Mobile Browser

Google Chrome™ (most recent 2 versions)

Mobile Devices

Android™ 5 or later

Software and Hardware

Windows® 10 Intel® 64, 8 GB RAM, 200 MB hard disk space

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