



## WEBINARS

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### Nanoscale Imaging Techniques

**Wednesday, August 2, 2023 1:00 PM - 2:00 PM EDT**

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#### .: About This Webinar

Golshan Coleiny of Fundamental Optical Solutions shares a brief history of nanoscale imaging with a focus on optical technologies, addressing many of today's challenges in optical limitation imaging and other applicable technologies. She discusses techniques that utilize optical nanomicroscopy for higher resolutions and their advantages and limitations in comparison to non-optical nanomicroscopy. Finally, this presentation shares a road map for further development of advanced tools in nanotechnology.

##### Who should attend:

Optical engineers, R&D scientists, and manufacturers who are interested in nanoscale imaging. Anyone who works with or is interested in learning more about optical technologies. Those who work in optical manufacture or design, biophotonics, lens design, cameras, imaging, or microscopy who would like to gain a further understanding of the future of nanoscale imaging.

##### About the presenter:

Golshan Coleiny is founder and CTO of Fundamental Optical Solutions® LLC (FOSS), an innovative technology-driven company providing optical research and engineering services. Coleiny holds master's degrees in both physics and electrical engineering from multiple academic institutes. She has over 18 years of proven experience directing multidisciplinary teams of engineers and scientists working on research and development projects related to optics and photonics technology and has many published patents.

Coleiny started her career at Nortel Networks as an optoelectronic engineer designing and developing tunable semiconductor lasers and filters for applications in fiber optics telecommunications based on microelectromechanical systems (MEMs) and vertical cavity surface emitting lasers (VCSELs). She spent many years studying in the doctoral program at the University of Nevada, Las Vegas on laser detachment spectroscopy and at Boston University on quantum optics for photonics and developing devices for encrypted fiber optics communications. She is a senior and corporate member of Optica (formerly OSA), SPIE, and IEEE. She is also a nonvoting member of the Illumination Engineering Society (IES) committees.



#### .: Mark Your Calendar

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