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WEBINARS

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Endoscopic Optical Coherence Tomography

Wednesday, December 9, 2020 1:00 PM - 2:00 PM EST

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.: About This Webinar

In this webinar, Hui Wang, Ph.D., will give a technical overview about the development, application, and future of endoscopic optical coherence tomography (OCT).

In the last three decades, OCT has grown from a lab-based technology to an essential clinical imaging tool, such as in ophthalmology. Endoscopic OCT is an important branch for acquiring OCT images of internal organs through a thin fiber probe, which can be either encapsulated into a flexible catheter or a rigid needle. Significant efforts have been made to develop and tailor endoscopic OCT for various clinical applications, especially for cancer diagnosis or surgery guidance.

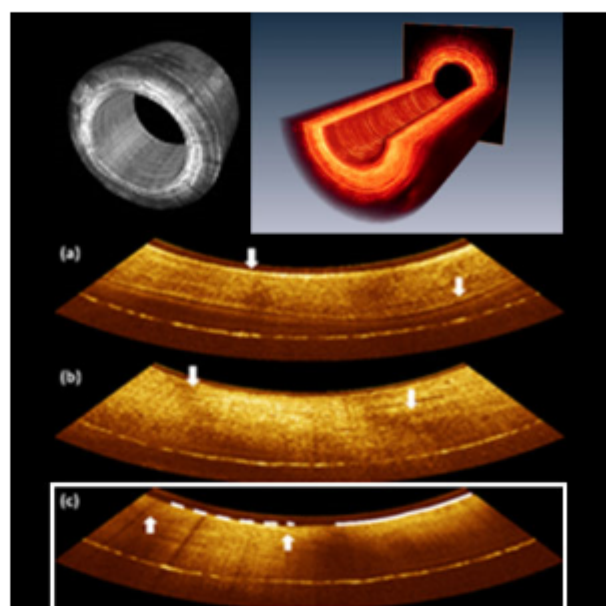
In this webinar, Wang will briefly review the principle of OCT and functional OCT. Then he will introduce the different designs of side-view and forward-view endoscopic OCT and their clinical applications. Finally, he will discuss the barriers of incorporating endoscopic OCT into clinics and the technology's potential future developments.

Who should attend:

Anyone in the biomedical fields currently practicing or studying OCT or whose work involves instruments and applications for OCT technologies. All those interested in the future of endoscopic OCT and how its applications may develop.

About the presenter:

Wang received his Ph.D. in biomedical engineering from Case Western Reserve University. He is currently assistant professor in the Department of Chemical, Paper, and Biomedical Engineering at Miami University. Before joining Miami University, he worked as a senior research scientist at American Medical System (a division of Boston Scientific) and a senior staff engineer at Illumina. His current research interests include developing optical imaging and sensing technology for clinical and fundamental biological research.



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