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## OLED Microdisplays: Advancing Virtual and Augmented Reality Smart Glasses

Join us for a Webinar on Thursday, January 19, 2017 10:00 AM - 11:00 AM

Data glasses and wearables like fitness trackers are changing the way many of us live, as well as enhancing vision capabilities in industry and defense. In this webinar sponsored by Radiant Vision Systems, presenter Uwe Vogel, director of the Microdisplays and Sensors division at Fraunhofer FEP, will discuss the four categories of microdisplay technology, the primary attributes of a microdisplay and the technical challenges.

Vogel will address the delicate "balancing act" between microdisplay content and size, and why, in spite of their challenges, OLED microdisplays are the preferred choice for mobile devices. He will talk about near to eye (NTE) displays, the markets for these displays and the companies currently offering NTEs.

A primary obstacle to the use of wearables is the amount of battery power microdisplays consume. Vogel will introduce Fraunhofer's novel technology for an OLED microdisplay that is extremely bright, yet consumes ultra low-power. He will conclude with a look at where the technology is headed, including advances such as OLED on silicon, micro projection and emissive microdisplay technology.

Uwe Vogel leads the Microdisplays and Sensors division at the Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP, where he also serves as deputy director. Vogel received his Ph.D. in Biomedical Engineering from TU Dresden. Before joining Fraunhofer, he worked at the Center for Applied Optics Studies at Rose-Hulman Institute of Technology and at Dresden University Hospital. At Fraunhofer FEP, he heads the institute's work on OLED microdisplays, focusing on component design, including backplane IC design, and related technology and manufacturing development, as well as integration and application.

Radiant Vision Systems provides integrated imaging systems to critically evaluate light and color in flat panel displays, illuminated keyboards, LEDs, and other light sources. The company also provides consultative technical support, ensuring that its clients enjoy and leverage all of the value built into their systems.

### MARK YOUR CALENDAR

**Date:** Thursday, January 19, 2017

**Time:** 10:00 AM - 11:00 AM

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Mac®-based attendees

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