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Revolutionizing Infrared Detection: Five Key Advantages of InAs and InAsSb-Based Detectors for Unmatched Performance

Thursday, June 22, 2023 10:00 AM - 11:00 AM EDT

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Presented by VIGO PHOTONICS

About This Webinar
Lukasz Rudawski of VIGO Photonics covers many of the key advantages in InAs and InAsSb-based detectors for real-world IR and visible-SWIR applications spanning from environmental monitoring to spectroscopy. These advancements are creating lower cost options without sacrificing the detectivity and bandwidth that HCT detectors have offered for many years. In addition, Lukasz highlights some of the unique attributes that are opening new applications for detection and analysis technologies around the world.

Who should attend?
Engineers and researchers who are interested in infrared detection, particularly the real-world IR and visible-SWIR. Those who design detectors and sensors, imaging, laser specialists and laser systems, and spectroscopy in industries such as agriculture, agriculture, forestry, energy, environmental research, robotics, and semiconductor designers and producers who work with gas detection and analysis.

About the presentation:
Lukasz Rudawski is a remote systems engineer at VIGO Photonics. He received a Master of Science degree in telecommunications at Warsaw University of Technology in 2014. Since then, he has been employed at VIGO as an infrared detector engineer in the Chip Technology Team, with expertise in the characterization of infrared detectors, in particular the optical characteristics of infrared detectors, the characterization of the characteristics of infrared detectors, and their design. In 2015, he defended his doctoral dissertation entitled "Methodology for Measuring the Spectral Sensitivity of InAs-Based Detectors," at the Faculty of New Technologies and Chemistry, Silesian University of Technology. The research was carried out in collaboration with the Faculty of Chemistry at the Jagiellonian University in Krakow.

About VIGO Photonics:
VIGO Photonics is a European manufacturer of imaging detectors and components for infrared and microwave applications. They specialize in real-world IR and visible-SWIR detectors and modules, providing high-level technology.

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