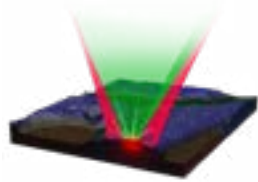


Submicron IR (O-PTIR) workshop

Hosted by Photothermal Spectroscopy Corp

Wednesday, June 28, 1:00-2:00, Pettit Microelectronics Building



IR+Raman
Same Spot
Same Time
Same Resolution

Submicron IR and simultaneous Raman microscopy with co-located fluorescence imaging:

O-PTIR technology, recent advances and applications overview

[CLICK HERE TO REGISTER](#)

Please join Jay Anderson and Dr. Mustafa Kansiz

Learn about a new cutting-edge IR micro spectroscopic tool called the mIRage, using the breakthrough technique of Optical Photothermal Infrared (O-PTIR) spectroscopy – a new way for doing IR spectroscopy.

O-PTIR is being used for a wide range of application areas and has led to many recent publications in high impact factor journals for life science research (live cells, tissues, bacteria), microplastics, materials science, industrial failure analysis and more.

Sample application examples of O-PTIR will cover

Life science research (live cells, tissues, neurodegenerative diseases, bacteria, bone), materials science, microplastics, industrial failure analysis and more



O-PTIR overcomes many limitations of current IR and Raman microscopes providing these unique attributes:

<500nm IR spatial resolution, over 30x better IR spatial resolution than FTIR

FTIR Transmission-like spectra in reflection mode by measuring the response of IR absorption (no distortions, artefacts or interference fringes)

Non-contact technique, suitable for thin (10's of nm) to thick (many mm's)

Live cell imaging in water

Combined and simultaneous Raman

Combined widefield fluorescence imaging for co-located O-PTIR measurements



Jay Anderson BIOGRAPHY ▶
Director of Sales for the Americas at Photothermal Spectroscopy Corporation

30 minutes
Introduction to submicron IR (O-PTIR) with a review of current IR and Raman limitations and new O-PTIR advances with question and answer period.



Dr Mustafa Kansiz BIOGRAPHY ▶
Director of Product Management and Marketing Photothermal Spectroscopy Corp

15 minutes
Review of O-PTIR applications and emerging applications with question and answer period.

Wednesday, June 28, 1:00 - 2:00, Pettit Microelectronics Building, Conference room 102 A&B, Georgia Tech, 791 Atlantic Drive, Atlanta GA 30332

Parking: GT Visitor Lot 4 - accessible from State St. via 10th St. (alternative is State St. parking deck, 5-7 minute walk)

Lunch: Provided, available for pickup at 12:30 in the lobby

