**ICAVS12**

**O-PTIR workshop**

Hosted by Photothermal Spectroscopy Corp

Sunday, August 27th 12:00 - 15:30

Location:

In person demo - Solaris Synchrotron

Presentations - Department of Chemistry, Room A0-04

Contact on day of event: Mustafa Kansiz +61 439 166 814

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

O-PTIR technology, recent advances and applications overview

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**In-person and virtual online workshop**

**REGISTER HERE**

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**In person demonstration of instrument at Solaris Synchrotron**

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

**12:00-13:30**  
Lab space is limited, so please register your intent via the in-person registration form. This demonstration is a short walk from the workshop venue to the Solaris Synchrotron

**13:30-13:55**  
Submicron infrared and simultaneous Raman microscopy with co-located fluorescence imaging: A new paradigm in vibrational spectroscopy

**13:55-14:05**  
Online, live demonstration: Submicron IR+Raman microscopy with co-located fluorescence imaging

**14:05-14:30**  
Combined optical photothermal infrared and Raman imaging for investigating the chemical composition of microcalcifications in breast cancer

**14:40-15:05**  
Combined O-PTIR - SERS investigation of cellular protein receptors

**15:05-15:30**  
3D mapping of molecular orientation using polarized vibrational techniques

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**Tea/Coffee/ Snack Break**

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**Prof Nick Stone**  
Biography  
Biomedical Imaging and Biosensing  
Exeter University

**Prof Zac Schultz**  
Department of Chemistry and Biochemistry, Ohio State University

**Asst Prof Tomasz Wrobel**  
NSRC SOLARIS (IR beamline)  
Jagiellonian University

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