

Inside Raman UK seminar 2012
Rutherford Appleton Laboratory, Harwell Oxford, Didcot, OX11 0QX, UK.

Seminar programme
Day 1, Tuesday 11th September 2012

Focus on Raman integrated with beamlines and Raman in Life Science

08:45	Registration and coffee	
09:30	Welcome and introduction	
Chair	Dr Ken Williams, Renishaw plc	
09:45	Prof Anthony Parker Head of Lasers for Science Facility & STFC Fellow, Rutherford Appleton Laboratory	Further insights into the photoionisation and deprotonation reactions of Vitamin E and analogues using femtosecond stimulated Raman spectroscopy.
10:15	Dr Yan Wong Applications Expert Renishaw	Effective analysis using inVia
10:45	Tea/coffee Raman demonstrations	
11:15	Dr Wouter van Beek ESRF	Simultaneous Raman-X-ray diffraction/absorption studies of solid state transitions and reactions at non ambient conditions
11:45	Dr Fred Festy Non-clinical senior lecturer King's College London Dental Institute	Microbiochemical analysis of carious dentine using Raman and fluorescence spectroscopy
12:15	Lunch Tours of ISIS and RAL Space Raman demonstrations and data analysis clinic	
Chair	Dr Fred Festy, King's College London Dental Institute	
14:05	Dr Katherine Lau Life Science Applications Expert Renishaw	Locating multiplexed nanoprobe within cells through combined 3D SERS and 3D Raman cell imaging
14:35	Mr Simon Fogarty Centre for Biophotonics University of Lancaster	Metal nanoparticle targeting of biological samples for Surface-Enhanced Raman Spectroscopy
15:05	Tea/coffee Raman demonstrations and data analysis clinic	
15:35	Dr Gordon Allison Institute of Biological Sciences University of Wales, Aberystwyth	Chemometric analysis of hyperspectral Raman datasets to explore plant cell wall composition and architecture
16:05	Prof Nick Stone Biophotonics Research Group University of Exeter	Exploring the potential for lymph node diagnostics using Raman spectroscopy
16:40	Contributed poster session and drinks reception	
18:00	Close	

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Seminar programme
Day 2, Wednesday 12th September 2012

Focus on Raman-AFM/TERS

09:00	Registration and coffee	
09:30	Welcome and introduction	
Chair	Dr Ian Hayward, Renishaw plc	
09:45	Dr Tim Batten AFM Applications Expert Renishaw	Renishaw and Raman-AFM/TERS
10:15	Dr Yoshi Tsuchiya Nano Group University of Southampton	Micro-, AFM-, and Tip-enhanced Raman spectroscopy for device characterisation
10:45	Tea/coffee Raman demonstrations and data analysis clinic	

Focus on materials science and physics applications

11:15	Dr Andrei Sapelkin Queen Mary University of London and Diamond	Structural origins of light emission in germanium quantum dots.
11:45	Dr Ian Friel Senior Scientist Element Six Technologies	Raman Scattering in CVD diamond: characterisation and applications
12:15	Lunch Tour of Central Laser Facility Raman demonstrations and data analysis clinic	
Chair	Prof Anthony Parker, STFC Rutherford Appleton Laboratory	
14:05	Dr Dan Wolverson Optical Spectroscopy Group University of Bath	UV Raman microscopy: the example of hexagonal boron nitride
14:35	Prof Nicole Grobert Department of Materials University of Oxford	Shaping CVD graphene in situ
15:05	Tea/coffee	
15:35	Mr Tero Kulmala Department of Engineering University of Cambridge	Polarisation-dependent Raman Spectra of Graphene and Nanoribbons
16:05	Mr Axel Eckmann Photon Science Institute University of Manchester	Raman Spectroscopy of defective graphene
16:35	Mr Simon Holden General Manager, Spectroscopy Products Renishaw plc.	
17:00	Close	

