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**Inside Raman Seminar programme**  
Natural History Museum, Cromwell Road, London, SW7 5BD, UK.

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**Day 1, Monday 26<sup>th</sup> September 2011: conservation and life science applications.**

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**10:00 Registration, tea / coffee.**

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<b>10:30</b>	<b>Chris Collins</b> Head Conservator, Natural History Museum. <b>Simon Holden</b> General Manager, Spectroscopy Products, Renishaw plc.	Welcome
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<b>10:35</b>	<b>Chair</b> Prof. Anthony W Parker, FRSC.	Introduction
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<b>10:40</b>	<b>Prof. Robin Clark, CNZM, FRSC</b> Sir William Ramsay Professor Emeritus, Department of Chemistry, University College London.	Raman microscopy studies in art and archaeology: pigment identifications, palettes and forgeries.
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<b>11:10</b>	<b>Dr. Lucia Burgio</b> Senior object analysis scientist, Victoria & Albert Museum.	Scientific analysis of museum objects: when art meets science.
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<b>11:40</b>	<b>Prof. Howell Edwards, FRSC</b> Emeritus Professor, Division of Chemical and Forensic Sciences, University of Bradford.	Raman spectroscopy in archaeology: the illumination of ancient mysteries.
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**12:10 Lunch, Natural History Museum tours, and Raman demonstrations.**

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<b>13:50</b>	<b>Chair</b> Prof. Howell Edwards, FRSC (TBC)	Introduction
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<b>13:55</b>	<b>Dr. Lorna Ashton</b> Manchester Interdisciplinary Biocentre The University of Manchester	Raman spectroscopy as an analytical biopharmaceutical technique.
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<b>14:25</b>	<b>Dr. Colin Campbell</b> School of Chemistry, University of Edinburgh.	Cellular redox states measured using SERS nanosensors.
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**14:55 Tea / coffee, Natural History Museum tours, and Raman demonstrations.**

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<b>15:25</b>	<b>Prof. Anthony W Parker, FRSC</b> Head of Lasers for Science Facility & STFC Fellow, Rutherford Appleton Laboratory.	Spatially offset Raman spectroscopy towards diagnosing bone disease - an update.
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<b>15:55</b>	<b>Dr. Martin Hedegaard &amp; Kristy Cloyd</b> Department of Materials and Institute of Biomedical Engineering, Imperial College London.	Potential applications of live cell Raman spectroscopy in tissue engineering.
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<b>16:25</b>	<b>Katherine Lau</b> Applications Scientist, Renishaw plc.	Raman imaging and analysis of simple model organisms.
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<b>16:55</b>	<b>Simon Holden</b> General Manager, Spectroscopy Products, Renishaw plc.	Closing comments.
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**17:00 Close**

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**17:30 to 18:30, drinks reception.**

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**Inside Raman Seminar programme**

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**Day 2, Tuesday 27<sup>th</sup> September 2011: chemistry, materials science, and physics applications.**

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**10:00 Registration, tea / coffee.**

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<b>10:30</b>	<b>Chris Collins</b> Head Conservator, Natural History Museum. <b>Simon Holden</b> General Manager, Spectroscopy Products, Renishaw plc.	Welcome
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<b>10:35</b>	<b>Chair</b> Dr. Stewart Parker, FRSC.	Introduction
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<b>10:40</b>	<b>Dr. Debdulal Roy</b> Senior Research Fellow, National Physical Laboratory.	Progress in tip-enhanced Raman spectroscopy (TERS) and related metrology challenges.
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<b>11:10</b>	<b>Prof. David Richards</b> Department of Physics, King's College London.	Broadband CARS for multiplexed imaging.
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<b>11:40</b>	<b>Prof. Sergei Kazarian</b> Department of Chemical Engineering, Imperial College London	Spectroscopic imaging at nanoscale with tip-enhanced Raman scattering.
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**12:10 Lunch, Natural History Museum tours, and Raman demonstrations.**

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<b>13:50</b>	<b>Chair</b> Prof. David Richards	Introduction
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<b>13:55</b>	<b>Dr. Andrei Sarua</b> Department of Physics, University of Bristol.	Raman thermography: spotlight on device reliability.
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<b>14:25</b>	<b>Dr. Vladimir Vishnyakov</b> Dalton Research Institute, Manchester Metropolitan University.	SEM-based micro-Raman Spectroscopy.
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**14:55 Tea / coffee, Natural History Museum tours, and Raman demonstrations.**

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<b>15:25</b>	<b>Dr. Stewart Parker, FRSC</b> ISIS Facility, STFC Rutherford Appleton Laboratory.	Simultaneous Raman and neutron scattering.
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<b>15:55</b>	<b>Dr. Ian Kinloch</b> School of Materials, University of Manchester.	Establishing the promise of nanocarbons in electrochemical and composite applications by the Raman Spectroscopy of model systems.
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<b>16:25</b>	<b>Dr. Tim Batten</b> Applications Scientist, Renishaw plc.	Current Raman applications in materials science.
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<b>16:55</b>	<b>Simon Holden</b> General Manager, Spectroscopy Products, Renishaw plc.	Closing comments.
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**17:00 Close**

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