

## Tuesday 18th Space Instrumentation Workshop

Session 1 Conference Room	10.00-11.00 <b>Welcome and Introduction</b> <b>Sue Horne</b>	<b>How to get your instrument selected and into space</b>
<i>Chair J.Bridges</i> Refreshments	Adrian Martindale	Key Stages in a Space Instrumentation Programme: MIXS Example
Session 2 Conference Room	11.30-13.00 Piyal Samara-Ratna John Holt	New, Easier and Faster Access to Space New Technology and Instruments for Ground-Based Mars Sample Return
<i>Chair L. Adam</i> Lunch, Posters	Tour of SPL laboratories, A.Cheney, J.Busquets	
Session 3 Conference Room	14.00-15.35 Mini Rai Emily-Jane Watkinson Yasir Soobiah, SMILE team	Space Robotics and Asteroid mining New Power Source Development for Space Exploration Thermal Design and Performance of the Solar Wind SMILE mission
<i>Chair J.Bridges</i> Refreshments	Tour of SPL laboratories, P. Samara-Ratna, A.Cheney	
15.35-17.00 Posters and Discussion Posters	Donald Bowden Natasha Carr Apostolos Christou Anna Parsec-Wallis Roger Stabbins Lukas Adam	Surface Enhanced Raman Spectroscopy Techniques for Space Missions Lobster Eye X-ray Optics for a Jovian Mission Concept Venus' thick atmosphere as a meteor detector. Instrument Design for Titan-Enceladus Mission Ion Detector Development of spectral systems for ExoMars and MMX MSR Sample Tube analyses with Synchrotron techniques

SPL tours include Concurrent Design Facility, Astrobiology, Electronics, Metrics, 3D printing, Drone laboratory, clean room view etc.