

CEOI Training Workshop

Designing and delivering an instrument concept

Agenda

Monday 15th March

Regents College, Regents Park, NW1 4NS (www.regents.ac.uk)

- 10.00 Introduction
- 10.15 Earth Observation instruments – the real problems (Chris Chaloner, SEA)
- 10.45 The Science Perspective - developing an instrument in Canada (Peter Bernath, University of York)

- 11.15 Refreshments + Introduction to Workshop1
- 11.30 **Workshop Session part 1:**
 - Developing an instrument concept – comparison of 2 techniques:
 - Lidar vs spectroscopy
 - Short introduction to the techniques
 - (1) Lidar (Nick Leveque, Astrium)
 - (2) UV/vis spectroscopy (Chris White, Uni. of Leicester)
 - Group work to develop overall concept (1)

- 12.30 Lunch and invited posters - new instrument concepts
 - for attendees to read and discuss

- 13.30 **Workshop Session part 2**
 - Develop concept (2)
 - Comparison between 2 concepts and techniques

- 14.45 Feedback/model answers for Workshop 2 (including Tea/Coffee)

- 15.30 **More ‘observing techniques’:**
 - (3) Passive microwave - Ian Robinson (Uni. of Southampton/NOC)
- 15.50 (4) SAR - Hugh Griffith (UCL)

- 16.10 The impacts of instrument accommodation on the spacecraft bus design (Phil Davies, SSTL)
- 16.25 Turning an instrument concept into reality (Kim Ward)

- 16.45 Feedback on day
- 17.00 Finish