

Fourth Biennial

Space Technology Showcase

13th November 2014

Showcase Objectives



- Highlight collaborative opportunities emanating from remote sensing technologies in space
- Outline the particular needs in Earth Observation for spin-in technologies
- Showcase a number of CEOI projects

Opportunity to:

- Hear about many different types of sensor and instrument technologies under development.
- See some remote sensing hardware and meet the teams
- Network with the other attendees

Agenda



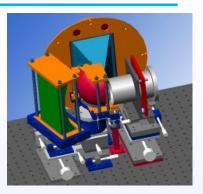
Optical and Quantum Technologies for Earth Observation at the European Space Agency	Bruno Leone - ESA
Airborne Synthetic Aperture Radar technologies and product generation – Relevance to Spaceborne Systems	Geoff Burbidge - Airbus DS Ltd
Adhesive free bonding: from academic origin to industrial application	Christian Killow - University of Glasgow
Elevator Pitches - followed by Coffee/Tea	
UK Technology Development for Spaceborne Atmospheric Limb-Sounding Missions	Brian Moyna - STFC RALSpace
New UK developments in THz technology for Earth observation	Edmund Linfield - University of Leeds Simon Rea - STFC RALSpace
ESA Technology Transfer Activities within the UK	Matthew Edwards - ESA TTO
Lunch and Networking - with table top displays and posters	Project Teams

Introduction to the CEOI-ST

- UK Space Agency initiative to boost UK capability and remain at the forefront of EO technology for space
 - Launched in 2007
 - Parallel industry investment, total approx ~£4M pa
- Programme focus on:
 - development of new EO instrumentation and technologies
 - Taking EO technologies to higher TRL
 - CEOI-ST covers all space technologies
 - horizon scanning and knowledge exchange
 - building highly capable academia/industry partnerships
 - training for next generation scientists and technologists
- Partnership led by Airbus with QinetiQ, STFC/RAL and University of Leicester



QinetiQ



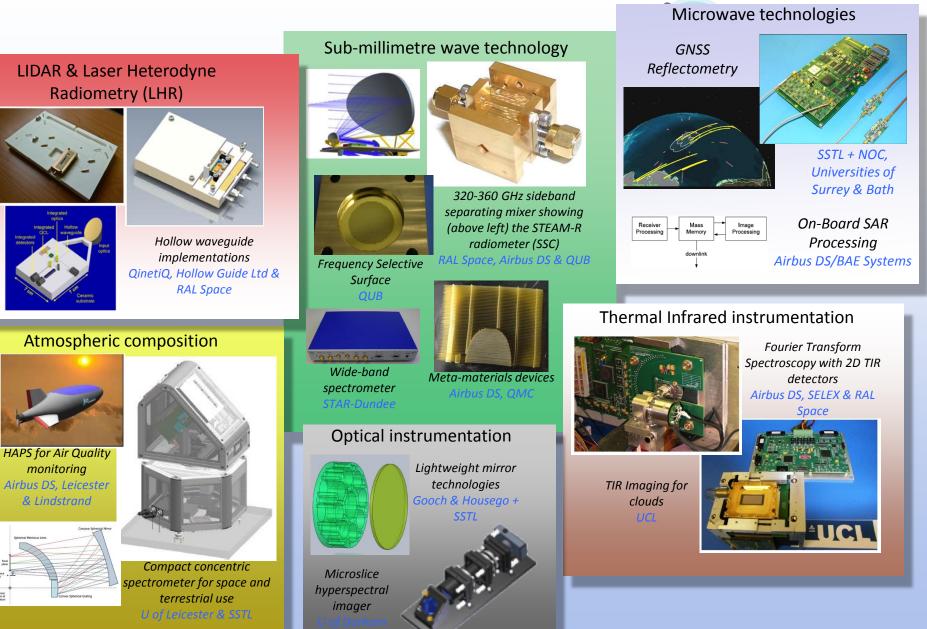








Example CEOI-ST developments



Common centre of curvature

Further information



- Opportunities for Engagement
 - CEOI-ST workshops and projects
 - NSTP "Grants for Exploratory Ideas"
 - Future EO and NSTP Technology Calls
- Further information:
 - Talks to the team today
 - www.ceoi.ac.uk
 - mick.johnson@astrium.eads.net

