CEOI Project Showcase

Monday 10th December
ECSAT, Harwell

Time	Title	Organisation	Speaker
09.30	Arrival and Registration	CEOI/ESA	
10.00	Introduction EO Technology Strategy CEOI Project Portfolio	CEOI	MJ/CB
10.20	**Passive u/mm/THz Technologies**		
	LOCUS Mission and Critical Technologies	UCL/STFC RALSpace	
	HYMAS – Filterbank spectrometers for HYperspectral Microwave Atmospheric Sounding	Cardiff University	Peter Hargraves
	Feasibility of Passive Bistatic GeoStationary EO	Cranfield University	Steve Hobbs
	New Electronic Switching Arrangement for mm-wave Radiometer Calibration	Queen's University Belfast	Raymond Dickie
11.20	Break		
11.40	**Radar Technologies**		
	Next-generation Radar Electronics	Airbus DS Ltd	To be confirmed
12.05	**IR Technologies**		
	Development and testing of large format MCT arrays for EO	Leonardo MW Ltd	Keith Barnes
	MEMS-based spectrometers for ultra-miniature space-borne hyperspectral remote sounders	STFC RAL Space	Damien Weidmann
	Development and demonstration of a CO_2 Laser Heterodyne Radiometer	STFC RAL Space	Damien Weidmann
12.45	Lunch		
13.30	**UV/Vis/SWIR Spectroscopy**		
	Technologies for the TRUTHS Cryogenic Solar Absolute Radiometer (CSAR) and the in-flight calibration system	NPL	Nigel Fox
	The Compact Air Quality Spectrometer	University of Leicester	Mark Sims
	Technologies and demonstration of Multi-View Spectroscopy for Greenhouse Gas Remote Sensing	University of Leicester	Hartmut Boesch
	Freeform Gratings for Ultracompact Spectrograph Designs	Durham University	Cyril Bourgenot

14.45 Break

15.05 **Visible Imaging**

Instrumentation and Data Handling for Low-Cost EO	Surrey Satellite Technology Ltd	To be confirmed
A New Generation of Deployable Optical Systems to Increase Small Satellite Capability	Surrey Space Centre	G. Aglietti
Smart optics for Satellite Applications	University of Oxford	Karen Hampson
Onboard Data Autonomy for Next Generation of EO Nanosatellites	Craft Prospect	Steve Greenland

16.10 Closing Session/Questions

16.30 Close