

# CEOI Project Showcase

Monday 10<sup>th</sup> December

ECSAT, Harwell

Time	Title	Lead Organisation	Speaker
09.30	Arrival and Registration	CEOI/ESA	
10.00	Introduction EO Technology Strategy CEOI Project Portfolio	CEOI	Mick Johnson/ Chris Brownsword
<b>10.20</b>	<b>Passive u/mm/THz Technologies</b>		
10.20	LOCUS Mission and Critical Technologies	UCL/STFC RALSpace	Brian Ellison
10.45	HYMAS – Filterbank spectrometers for HYperspectral Microwave Atmospheric Sounding	Cardiff University	Peter Hargraves
11.00	Feasibility of Passive Bistatic GeoStationary EO	Cranfield University	Steve Hobbs
11.10	New Electronic Switching Arrangement for mm- wave Radiometer Calibration	Queen’s University Belfast	Raymond Dickie
11.20	Break		
<b>11.40</b>	<b>Visible Imaging (1)</b>		
11.40	Instrumentation and Data Handling for Low-Cost EO	Surrey Satellite Technology Ltd	Charles Cranstoun Steve Ross
<b>12.05</b>	<b>IR Technologies</b>		
12.05	Development and testing of large format MCT arrays for EO	Leonardo MW Ltd	Mark Herrington
12.20	MEMS-based spectrometers for ultra-miniature space-borne hyperspectral remote sounders	STFC RAL Space	Damien Weidmann
12.30	Development and demonstration of a CO <sub>2</sub> Laser Heterodyne Radiometer	STFC RAL Space	Damien Weidmann
<b>12.40</b>	<b>Lunch (to 13.30)</b>		

## CEOI Project Showcase - Afternoon Session

Time	Title	Lead Organisation	Speaker
<b>13.30</b>	<b>UV/Vis/SWIR Spectroscopy</b>		
13.30	Technologies for the TRUTHS Cryogenic Solar Absolute Radiometer (CSAR) and the in-flight calibration system	NPL	Nigel Fox
13.55	The Compact Air Quality Spectrometer	University of Leicester	Mark Sims
14.20	Technologies and demonstration of Multi-View Spectroscopy for Greenhouse Gas Remote Sensing	University of Leicester	Hartmut Boesch
14.35	Freeform Gratings for Ultracompact Spectrograph Designs	Durham University	Cyril Bourgenot
14.45	Break		
<b>15.05</b>	<b>Radar Technologies</b>		
15.05	Next-generation Radar Electronics	Airbus DS Ltd	Matt O'Donnell
<b>15.30</b>	<b>Visible Imaging (2)</b>		
15.30	A New Generation of Deployable Optical Systems to Increase Small Satellite Capability	Surrey Space Centre	G. Aglietti
15.45	Smart optics for Satellite Applications	University of Oxford	Dave Gooding (SSTL)
15.55	Onboard Data Autonomy for Next Generation of EO Nanosatellites	Craft Prospect	Steve Greenland
<b>16.05</b>	<b>Closing Session/Questions</b>		
16.30	Close		