



# Space Academy Careers Event

**Monday 28 June 2010**

National Space Centre, Leicester

**9.20am – 2.45pm**

**Year 10**

## **Keynote Talk – “Making an Impact – Asteroids, Astronomy and Journalism”**

Impact craters, caused by asteroids and comets slamming into the surfaces of planets, are found on all solid planetary surfaces in the Solar System, and one was even recorded smashing into Jupiter at the start of this month! This talk will introduce you to some topics in planetary science, like impact cratering, and highlight other areas of planetary science that offer active areas of research, including professional astronomy, spacecraft engineering and science journalism. I will describe my career working at the UK's best-selling astronomy magazine Astronomy Now and highlight some of the latest space-related news we've been reporting on.

## **Keynote Speaker – Dr Emily Baldwin**



Dr Emily Baldwin has a PhD in impact cratering and a MSci in Planetary Science from University College London, and is now the Deputy Editor and Website Editor for Astronomy Now magazine. She also runs the under 16's youth section of the Society for Popular Astronomy, the Young Stargazers.

# Company Profiles

## **EADS Astrium: Chris Lord**

EADS Astrium is a world leader in the design and manufacture of satellite systems. Business activities include civil and military telecommunications, Earth observation, science and navigation programmes as well as a complete range of associated ground infrastructure and space equipment.

[www.astrium.eads.net](http://www.astrium.eads.net)

## **Rolls-Royce: Oliver Gerg**

Rolls-Royce is a global leader in aerospace engineering, power systems and services for use on land, sea and air.

[www.rolls-royce.com](http://www.rolls-royce.com)

## **RAF Fylingdales: Flt Lt Mike Foster**

The primary role of the RAF is defence of British and European airspace with additional roles of search and rescue and disaster relief. RAF Fylingdales is one of three radar sites in the Ballistic Missile Early Warning System (BMEWS) and contributes to the Global Space Surveillance Network. This tracks man-made objects in Low Earth Orbit and gives warning of potential collision events. It also allows RAF Fylingdales to maintain a continuous missile warning capability thereby demonstrating that a surprise missile attack could not succeed.

[www.raf.mod.uk/raffylingdales](http://www.raf.mod.uk/raffylingdales)

## **National Physical Laboratory: Laurie Winkless**

The National Physical Laboratory (NPL) is a world-leading centre in the development and application of highly accurate measurement techniques. As the UK's national standards laboratory, NPL measures time, length, mass and other properties more accurately than anyone else. It's our job to ensure consistency and traceability of measurements, from the largest scale to the smallest.

[www.npl.co.uk](http://www.npl.co.uk)

## **Mullard Space Science Laboratory: Dr Colin Forsyth**

UCL's Mullard Space Science Laboratory carries out research into a wide range of physical phenomena, from the extremes of Earth's climate and the near-Earth space environment to the planets, Sun and astronomical phenomena such as gamma-ray bursts, binary star and quasars. They are also actively involved in the development, construction and exploitation of high precision instrumentation for use on satellites and in the wider world.

[www.mssl.ucl.ac.uk](http://www.mssl.ucl.ac.uk)

# Schedule

		EADS Astrium	Rolls-Royce	RAF Fylingdales	NPL	MSSL
<b>Time</b>	<b>Activity</b>	<b>Space Now</b>	<b>Atlantis</b>	<b>Endeavour</b>	<b>Science Lab</b>	<b>Challenger</b>
9.30 – 9.40	Introduction	Space Theatre				
9.45 – 10.10	Session 1	A	B	C	D	E
10.15 – 10.40	Session 2	B	C	D	E	A
10.45 – 11.10	Session 3	C	D	E	A	B
11.15 – 11.25	Break					
11.30 – 11.55	We Are Astronomers	Space Theatre				
12.00 – 12.25	Session 4	D	E	A	B	C
12.30 – 12.55	Session 5	E	A	B	C	D
13.00 – 13.45	Lunch	In Boosters (under the rockets)				
13.50 – 14.30	Keynote Talk	Space Theatre				