



# Discovering the Hidden Universe

## Exciting Results from the Herschel Space Observatory

**Prestige Seminar: Wednesday 14th November 2012**

*Herschel* is the biggest telescope ever launched into space, carrying a single mirror of 3.5 metres in diameter. It is one of four European Space Agency “cornerstone” missions. Launched in 2009 it is now returning data of unprecedented quality and quantity in the far-infrared and submillimetre wavebands (about 100-1000 times the wavelength of visible light). *Herschel* observes the obscured Universe: the dusty origins of solar systems, star formation in our own galaxy and the formation of distant galaxies over 10 billion years ago.

### Speakers include:

- **Professor Michael Rowan-Robinson:** Past President RAS, Imperial College (former Head of Astrophysics)
- **Dr Göran Pilbratt:** European Space Agency and *Herschel* Project Scientist
- **Professor Matt Griffin:** Cardiff University and Principal Investigator for the UK-led SPIRE instrument.

The speakers will present an historical overview of far-infrared astronomy from space, a discussion of the technical and logistical challenges of assembling and launching a major space observatory, and of building its instrumentation (cameras and spectrometers). Last but not least they will present some of the new and exciting scientific results produced by *Herschel* over the last two years.

The fourteenth annual prestige seminar organised by the East of England Engineering Science & Technology Association, with support from many Professional Engineering Institutions and others, will take place on the evening of Wednesday 14th November 2012. This free event is hosted by the University of Hertfordshire and will commence with refreshments and networking in an informal environment.

An essential element of the prestige seminar is the final chaired discussion when the audience can put forward their views and questions to the speakers and debate some of the issues discussed.

How do I attend? **Entry is free, but advance registration is required.**

**Book online** at <https://bookwhen.com/eeesta> or **phone** 0845 474 3341.

For more information visit [www.eeesta.org.uk/seminars.php](http://www.eeesta.org.uk/seminars.php)

We would be particularly pleased if you brought a young person to this event.

To discuss EEESTA's events and STEM project support, contact Dr Andrew Powell, Chairman EEESTA, on 01908 587194 or by e-mail [andrew.powell@eeesta.org.uk](mailto:andrew.powell@eeesta.org.uk).