

# The Jeremiah Horrocks Spring Lecture

## The Hidden Universe Revealed

The Spring 2017 Jeremiah Horrocks Lecture by  
**Robert C. Kennicutt, Jr.** Plumian Professor of  
Astronomy and Experimental Philosophy,  
University of Cambridge, Institute of Astronomy



**Tuesday 25th April 2017**  
**6.30pm - Harrington Lecture Theatre**  
**University of Central Lancashire**  
**FREE EVENT.**

### **Abstract**

Half of the starlight in the Universe is hidden from visible telescopes, having been quenched by fine clouds of dust particles in interstellar space. This missing energy reappears in the infrared and terahertz regions of the spectrum, and can only be studied fully from spaceborne telescopes. Now thanks to a series of international space observatories this hidden Universe has been fully revealed. The observations reveal new classes of objects and phenomena, including the discovery of the most luminous and active star-forming galaxies in the Universe. These objects provide glimpses into the early histories of galaxies like our own, and new insights into the physical processes that shaped the Hubble sequence of galaxies.

**Robert Kennicutt** is the Plumian Professor of Astronomy and Experimental Philosophy and Fellow of Churchill College at the University of Cambridge. He is an internationally recognised expert in observational extragalactic astronomy, and has authored more than 400 papers on the structure and evolution of galaxies, star formation, and observational cosmology. He took up his position in Cambridge in 2005, and prior to that held faculty positions at the University of Arizona and the University of Minnesota, as well as the editorship of *The Astrophysical Journal*, the leading North American research journal in astronomy. He won the Dannie Heineman Prize of the American Astronomical Society and the American Institute of Physics in 2007 for his research on star formation in galaxies, and shared the 2009 Gruber Cosmology Prize (with Wendy Freedman and Jeremy Mould) for their work on calibrating the extragalactic distance scale. He is a member of the US National Academy of Sciences and a Fellow of the Royal Society, and has participated in numerous policy-making activities including the most recent decadal surveys of astronomy for Europe and the USA.

**For more information and to book please see:**

**<http://jhi-springlecture2017.eventbrite.co.uk>**

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