



## Jeremiah Horrocks Public Lecture Series



University of  
Central Lancashire  
UCLan

# 30 years of submillimetre cosmology: The dusty universe as viewed by the world's most powerful telescopes.

**Professor Rob Ivison** - European Southern Observatory, Germany;  
ASTRO 3D, Australia; DIAS, Ireland; University of Edinburgh, Scotland.

**Wednesday 11 October 2023, 6pm - 8pm**

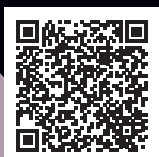
Darwin Lecture Theatre, Darwin Building, University of Central Lancashire PR1 2HE

Join us on a journey of discovery as we gaze into the farthest reaches of the visible universe. Advances in submillimetre cosmology have led to the development of telescopes which allow us to peer ever further into space (and therefore back in time) to view distant stars that were lighting up their galaxies long before the Earth was formed.

The most intensely star-forming galaxies contain an abundance of space dust - tiny particles formed in the winds of stars, or in supernovae. Until the development

of submillimetre telescopes, this dust blocked our view by completely absorbing the light from stars and black holes. Now that we can view them (partly thanks to a quirk of physics), we can better understand how they formed.

We'll explore how telescopes have become more advanced over the past 30 years, culminating in the incredible images we've seen from the James Webb Space Telescope. And you'll learn about the role that Preston academics have played along the way.



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