



Royal  
Astronomical  
Society

### **The 2024 Eddington Medal is awarded to Professor Pedro Ferreira**

Professor Pedro Ferreira was a member of the BOOMERanG and MAXIMA teams that used observations of the cosmic microwave background radiation to establish Lambda Cold Dark Matter as the basic cosmological model.

Since that time, Professor Ferreira has worked from many angles to investigate the features of that model that lie beyond our current understanding of physics.

With a persistent problem being the physical nature of Lambda, Professor Ferreira's work is widely recognised as seminal in trying to understand the role of scalar fields.

He has also done ground-breaking work in the use of the CMB observations and other cosmological observations to test non-standard theories of gravity. He has also made major theoretical advances in other fields, including the use of neutron star mergers to test theories of gravity.

Besides his personal research, he has made major contributions to theoretical cosmology as a discipline, mentoring an extraordinary number of the new leaders in the field.

For these reasons, Professor Ferreira is awarded the RAS Eddington Medal.