



Royal
Astronomical
Society

The 2023 Gold Medal for Astronomy is awarded to Professor John Peacock

During his career, Prof. John Peacock has made outstanding contributions to cosmology. Although a theorist, many of his contributions have been made by combining insightful theoretical analysis with the results from observational programmes, starting with the use of radio surveys to show that there is a redshift cutoff for active galactic nuclei. He was also one of the pioneers of the use of redshift surveys for measuring redshift-space distortions and baryonic acoustic oscillations, one of the most important tools in modern cosmology. He also led the development of the halo model and developed methods for reconstructing the linear power spectrum of density fluctuations, both of which are now widely used within cosmology. Apart from his contributions to pure research, Professor Peacock has mentored numerous students and postdocs, many of whom have gone on to make major contributions themselves to astronomy. He has led many important astronomy projects, such as the 2dF Galaxy Redshift Survey; and he has written a textbook that has shaped the field.

For these reasons Professor John Peacock is awarded the 2023 Gold Medal (A) of the Royal Astronomical Society.