

## **Group Achievement Award (A) - The Event Horizon telescope (EHT)**

### **Full citation**

The Event Horizon Telescope (EHT) is a globe-spanning interferometer, comprising telescopes stretching from the Sierra Nevada Mountains of Spain to the volcanoes of Hawaii, from the Atacama Desert in Chile to the Antarctic (with many more locations besides). Realisation of the EHT represented a formidable challenge and was made possible only by decades of hard work and commitment by thirteen partner institutions, a variety of agencies, and more than 340 researchers – it is one of the finest examples of an achievement resulting from close collaboration by researchers from around the World.

In April 2019, the EHT team showed the world the first image of the shadow cast by the black hole in M87, made possible by the enormous baselines which give the EHT its exquisite angular resolution. This image has already inspired millions and will continue to do so. It represents an important milestone in human ingenuity and scientific endeavour, and is opening new doorways to study the physics of accretion around super-massive black holes in completely unprecedented ways.

For these reasons, The EHT is awarded the 2021 RAS Group Achievement Award (A)

### **Short citation**

The Event Horizon telescope (EHT) is a globe-spanning interferometer of telescopes observing at mm wavelengths. The remarkable abilities of this instrument, coupled with the hard work of more than 340 researchers across the world, led to the first image of the black hole in Messier 87 being shown to the world in April 2019. This image has captured the imagination of millions and signifies a historical achievement for astronomy and mankind.

For these reasons The EHT is awarded the 2021 RAS Group Achievement Award (A).