

Citation for the 2018 RAS 'G' Fowler Award: Dr David Jess

The 2018 Fowler Award for Geophysics is awarded to Dr David Jess.

Dr Jess is a remarkable early-career researcher and a leading international expert in solar physics. He has had an outstanding career to date and has dramatically improved the international understanding of wave processes occurring within the Sun's dynamic atmosphere.

This has been achieved through his design, construction and implementation of state-of-the-art high-cadence imaging instrumentation to allow such studies to be undertaken (both by himself and the wider UK/international solar physics communities), followed by the analysis and interpretation of cutting-edge datasets.

Dr Jess has not only made substantial contributions to the understanding of waves in the solar atmosphere, but also to the study of solar flare characteristics, solar feature tracking, solar EUV spectroscopy and cool-star variability. Through his unusually broad range of skills, Dr Jess has already made a major impact on international solar physics research and his achievements and dedication have been recognized by a number of awards and prizes.

For these reasons, Dr Jess is awarded the Royal Astronomical Society's Fowler Prize.