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Dr. Neil Bowles is a fellow of St Cross College and a university lecturer in the sub-department of Atmospheric, Oceanic and Planetary Physics, Department of Physics, University of Oxford.

His main research interests are in laboratory measurements that help analyze and interpret data returned from space-based remote sensing and in-situ instruments for landers. He also works on developing new space-based instrumentation to study objects as diverse as the surfaces of asteroids, the icy satellites of the outer planets and the Moon and look for trace gases of biological interest in the atmosphere of Mars.

Dr. Bowles is a member of the science teams for the Cassini Composite Infrared Spectrometer (CIRS) currently in orbit around Saturn, the Mars Climate Sounder instrument on NASA's Mars Reconnaissance Orbiter in orbit around Mars and the Diviner Lunar Radiometer Experiment on NASA's Lunar Reconnaissance Orbiter in orbit around the Moon. He is also a co-investigator on the ExoMars Climate Sounder instrument, part of the upcoming joint NASA/ESA ExoMars Trace Gas Orbiter mission due for launch in 2016, and was co-investigator for a range of environmental sensors and geophysics instruments on the now de-scoped ExoMars stationary lander.