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KlimaCampus Colloquium

Sami K. Solanki

The Sun's Magnetic Field and Variability

The single quantity responsible for the continuing unrest and activity of the Sun is its tangled and dynamic magnetic field. It produces many fascinating phenomena, including changes in the Sun's radiative output, which has been invoked as a driver of the Earth's climate and a contributor to global change. In this talk some aspects of the magnetic field of the Sun will be introduced and a few recent advances in our knowledge will be presented. Brief descriptions of the Sunrise and Solar Orbiter missions will also be provided. In the second half of the talk, measurements and magnetic field-based models of solar irradiance variability will be outlined and some recent advances will be presented.

Sami K. Solanki, Max Planck Institute for Solar System Research, Göttingen, Germany is invited by Bjorn Stevens, MPI-M.

Bundesstraße 53, Room 22/23 (ground floor)