



Post-doctoral position in Planetary Atmospheres at the Max Planck Institute for Solar System Research, Germany

The Max Planck Institute for Solar System Research (MPS) in Göttingen/Germany invites applications for a postdoctoral research position in Planetary Atmospheres within the recently established Priority Program 1992 "Exploring the Diversity of Extrasolar Planets" funded by the German Research Foundation (DFG) (<http://www-astro.physik.tu-berlin.de/exoplanet-diversity/about>).

The successful candidate will carry out original research in the framework of a project to study physical-chemical processes in exoplanetary atmospheres (in terms of temperature and composition profiles) by assessing the mechanisms into the predictions and considering observations as key to validation assessment. The postdoc will closely work with Dr. Miriam Rengel (PI of the research project), will be joining the Atmospheric Planetary Group (APG) — which resides in the Planetary Department of the MPS — and will also work closely with other colleagues at MPS and at the Institute for Astrophysics at the Georg-August-Universität Göttingen. The APG has a solid experience in modelling, observation, calibration, and analysis of spectroscopic planetary data, as well as a significant contribution to several space missions (e.g. Herschel and JUICE). The MPS is located in Göttingen (Germany), a lively and scenic university town, in a striking new building.

Requirements:

- Applicants must hold a Ph.D. in physics with a background in astrophysics/astronomy, atmospheric physics and/or molecular spectroscopy, or a related topic.
- Experience in scientific programming in high-level language, e. g. Python, FORTRAN or C++.
- Strong interest in numerical modelling and algorithms, radiative transfer, remote sensing data of planets, observational spectroscopy, and/or meteorology/climate.
- Experience in radiative transfer modeling, astronomy in infrared, and/or exoplanet research is an asset.

The appointment is for three years, is funded by the German Research Foundation (DFG), and is paid according to the German public service scale (TVöD 13).

Applicants should send a curriculum vitae, a list of publications, a summary of previous research (2 pages max.), research interests (1 page max.), and the names of at least two persons who can be contacted for letters of references. Applications can be sent in electronic form or regular post (please send only copies, documents will not be returned) to the address below **by March 15, 2018**, for full consideration. Applications will be considered until the position is filled. The preferred starting date is May 1, 2018, but earlier or later start dates can be negotiated.

The MPS seeks to increase the fraction of female scientists in research, and particularly encourages applications from women. Disabled candidates are given preference if equally qualified.

Applications should be sent to:

Dr. Miriam Rengel
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D-37077 Göttingen
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