Senior scientist in Solar Physics (m/f) 80-100% open ended

The „Physikalisch-Meteorologische Observatorium Davos und World Radiation Center“ (PMOD/WRC) is advertising for the position of senior scientists with specialisation in solar physics.

Background
We are a research institute and international calibration center focused on meteorological solar radiation and imaging measurements. In our function as the World Radiation Centre, we ensure the worldwide standardization of solar irradiation measurements and maintain several groups of reference instruments. A substantial part of our activity also relates to study of atmospheric aerosol, ozone layer, terrestrial climate, Sun's activity and space weather. A team of about 50 employees conducts research and designs and builds instruments (both for ground and space) at PMOD/WRC, which is situated in the highest alpine city and has a research history going back more than 100 years (www.pmodwrc.ch). We also have a strong link to ETH-Zürich through a joint appointment of the PMOD/WRC director, and many of our students (MSc and PhD) graduate from ETHZ. Our recent solar missions with hardware involvement include Solar Orbiter (SPICE and EUI) and in the future Vigil and Solar-C.

Area of responsibility:

This senior scientist position will concentrate on the area of research based on solar wind formation or formation of solar eruptions. The tasks will include:

- Carry out research in solar physics making use of Solar Orbiter and in the future Solar-C and Vigil.
- Publish in international journals
- Active involvement in current and future solar missions.
- Obtaining research funding
- Supervision of students at different levels.

Requirements:

It is expected that the candidate will have a PhD in solar physics. The solar data analysis and calibration software packages are in IDL and python, so experience in one of these is required. A demonstrable publication record is required, and it is desirable to show the ability to obtain research funding. A strong interest in the operations and development of space instruments is key for this position. It is desirable to show leadership of projects e.g. student projects, PhD supervision, mission leadership. Working on site is mandatory.

What we offer:

You will join an institute with world recognised expertise in solar science and instrumentation with a friendly atmosphere.

PMOD/WRC is an attractive workplace at a world-leading Institute in a beautiful touristic town in the Swiss Alps.

We respect and support the compatibility of professional and private life and promote individual development opportunities. We promote equality of opportunity, value diversity and nurture a working and learning environment. Please visit our gender equality plan(https://www.pmodwrc.ch/en/institute/gender-equality-plan/) for further information.

The deadline for applications is 6th January. The start date is in spring 2027.

Interested?

Please send your application including your statement of interest, CV with publication list and contact information of two referees (preferably as a single PDF file) to Prof. Louise Harra (director) by email (louise.harra@pmodwrc.ch). For informal enquiries concerning this position, please contact Prof. L. Harra by e-mail (Louise.Harra@pmodwrc.ch).