

Since its establishment in 1907, the Physikalisch-Meteorologisches Observatorium Davos (PMOD) has been studying the influence of solar radiation on the Earth's climate. At the request of the World Meteorological Organization (WMO), the Federal Council decided in 1970 to finance a calibration center for radiation measurement as Switzerland's contribution to the World Weather Monitoring Program of the WMO. Following this decision, the PMOD was commissioned to establish and operate the World Radiation Center (WRC). PMOD/WRC develops and builds radiometers that are among the most accurate in the world, used both on the ground and in space. The PMOD/WRC has close links to the Physics Department of the ETHZ through the institute director Prof. Dr. Louise Harra.

We are looking for a

Mechanical Engineer SPACE Instruments (80-100%)

Current space projects we are working on: Solar-C (JAXA), VIGIL (ESA NASA), TRUTHS (ESA)

Main tasks

- Definition of mechanical and thermal interfaces
- Responsible mechanical engineer in the project team during development, manufacturing, assembly and testing
- Communication with external partners on technical aspects

Essential Criterion

- Background in mechanical engineering (FH/ETH/UNI)
- Experience in mechanical design and thermodynamics
- Experience in mechanical and thermal simulations (preferably with MSC Nastran/Patran)
- Experience with ESA or NASA design and QA guidelines
- Broad knowledge in relevant engineering fields (e.g. mechanics, thermal engineering, materials technology, vacuum applications)
- Languages: Fluent in English (written and spoken)

Desirable Criterion

- Experience with ESA or NASA design and QA guidelines
- Languages: good German knowledge is an asset

What we offer

We provide an attractive workspace in Davos within a collaborative and interdisciplinary environment. Close connections with international collaborators and agencies are a fundamental pillar of our space projects. We regularly host international visitors and organize international calibration campaigns. We offer excellent working conditions, along with a salary that is internationally competitive. We provide flexible working for staff. With a staff of 50, there is a friendly atmosphere in the institute with regular social events. Visit our [gender equality plan](#) webpage to find out how we ensure a fair and open environment that allows everyone to grow and flourish.

Application Information

We are looking for a suitable candidate starting on 1st October 2024 or by agreement. Please send your complete application by end of August 2024 via e-mail to the head of human resources, eliane.tobler@pmodwrc.ch.

For further information, please contact:

Dany Pfiffner, Co-Head of the Technical Department (daniel.pfiffner@pmodwrc.ch), or
Valeria Büchel, Project Manager Space (valeria.buechel@pmodwrc.ch)