

Job ID: IWF046TEC222

The Space Research Institute ([IWF](#)) is with about 100 employees from twenty nations one of the largest institutes of the Austrian Academy of Sciences ([OeAW](#)). The institute is located in the Victor Franz Hess Research Center of OeAW in the south of Graz. The IWF also operates a world-leading satellite laser ranging station at the Lustbübel Observatory. The Space Research Institute invites applications for a

TECHNICIAN POSITION (F*M) *in Satellite Laser Ranging* (full-time, 40h per week)

The successful candidate will join the research group “Satellite Laser Ranging”, which performs precise distance measurements to satellites or space debris. Satellite laser ranging (SLR) combines a broad spectrum of different techniques and areas of expertise: physics, astronomy, optics, laser physics, satellite geodesy, programming, detectors, electrical and mechanical engineering.

The candidate will be working on the mechanical and electrical design of laser transmitting units and single photon detection packages for new Satellite Laser Ranging stations. An additional task is the maintenance and development of the existing laser ranging station: e.g. adjustment, alignment, repair of telescopes, mounts, domes and lasers.

What we offer:

- A small and highly motivated team with broad expertise about all related topics.
- Insights into one of the leading SLR stations worldwide.
- Involvement into various exciting ESA projects.
- The possibility to bring in own ideas and to propose innovative solutions.
- A beautiful workplace at the SLR station at Lustbübel Observatory, Graz, Austria.

What we expect:

- A degree of a technical school or equivalent.
- Mechanical engineering skills: milling, lathing, computer aided design (CAD), rapid prototyping
- Electrical engineering skills: integrated circuit design, simulation and assembling, FPGA programming
- Work experience related to mechanical and electrical engineering
- Beneficial: Experience in optics, optical design, operation of lasers
- Interest in astronomy and / or astrophysics
- A dedicated and motivated person who is excited to work in a scientific environment.
- Flexibility/excitement to adapt to new challenges and topics.

The appointment begins as early as July 1, 2022 for a duration of 2 years. The annual gross salary is € 30.465,26 according to the collective agreement of the Austrian Academy of Sciences (OeAW). Depending on qualification and experience, the salary can be negotiated. Applications must include a (1) cover letter, (2) curriculum vitae, (3) school and academic certificates and (4) a statement of the applicant's work experience. Please send the application as one PDF file, Dr. Michael Steindorfer (michael.steindorfer@oeaw.ac.at), and Franz Koidl (franz.koidl@oeaw.ac.at) mentioning Job ID: IWF046TEC222, **no later than May 31, 2022**.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.