

We, the Professorship of Lunar and Planetary Exploration, are looking for a

Student Assistant for Experimental Setup Development

About us and the Position

The Professorship of Lunar and Planetary Exploration is a young and rapidly growing research group at the ASG Campus in Ottobrunn. We focus on both experimental and theoretical studies of the Moon and its resources.

As a student research assistant, you will support our ongoing flight hardware development projects for several upcoming lunar missions, with a focus on mechanical/mechatronic engineering of experimental test setups as well as the use of said setups to perform experimental work.

Requirements

- Enrolled as a Bachelor (later semesters) or Master student at TUM.
- Strong understanding of mechanical design, design for manufacturing.
- Ideally, practical hands-on experience with mechanical hardware as work experience, extracurricular or hobby projects. Experience with electronics or PCB design is a plus.
- Availability to work on-site at the Ottobrunn campus, for required hands-on lab work.
- Strong organisational skills and ability to work independently.
- Very good command of the English language. German is a plus.

Your Tasks

- Help to develop test setups for lunar instrument qualification and characterization.
- Mechanical design for smaller experimental setups or ground support equipment, prototype parts (3D printing), and create drawings for metal manufacturing.
- Build, integrate the electronics/measurement equipment, and test the hardware.
- Assist in experimental work on the developed setups.

We Offer

- A contract of 8 hours per week with standard compensation based on your qualifications.
- The opportunity to gain long-term experience. We particularly prefer students who may stay with us for multiple semesters.
- Insight into research and development activities in space-exploration projects within a dynamic and international environment.
- TUM is committed to increasing the proportion of women in its workforce; therefore, applications from female students are explicitly encouraged.

Please send your complete set of documents, including at least a **short motivational letter**, your **CV**, and a **transcript of records**, digitally to Rok Sesko (rok.sesko@tum.de).

We are looking forward to your application!