

Job ID: IWF087TEC224

The Space Research Institute ([IWF](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, is offering a position as an

ENGINEER (F/M/X)

for the Manufacturing, Assembly, Integration and Testing (MAIT) of space instruments

(full-time, 40h per week)

The IWF is looking for a talented candidate interested in developing and testing scientific instrumentation for space missions to join its on-board computing group. The on-board computing group has provided a number of instrumental contributions to international space missions (e.g. EBOX&DPU on ESA/CAS' SMILE, the RDCU on ESA's PLATO, PICAM on ESA/JAXA's BepiColombo, ASPOC on NASA's MMS). The group is currently developing the data processing unit (DPU) for instruments onboard ESA Comet Interceptor and new ATHENA missions, and is involved in the ESA's ARRAKHS mission for which the electronic box (EBOX) and two common data processing units (CDPUs) will be developed. The group is looking for an engineer to support the manufacturing, assembly, integration and testing (MAIT) for on-going and future projects.

Your profile:

- Master degree or Engineering diploma in electrical, mechanical or aerospace engineering, with an interest in space instrumentation
- Familiarity with the required tests for space instrumentation
- Familiarity with typical laboratory equipment used for testing electronics
- Knowledge of programming languages such as C++ or Python, in particular for scripting the test execution
- Proficiency in English
- Knowledge of the ECSS standards will be considered an asset
- Practical experience with soldering will be considered an asset

Your tasks:

- Prepare the test plans and test procedures for the sub-systems (e.g., EBOX) and units (e.g., DPU) developed by the group
- Perform unit level testing (e.g., board level testing of DPUs) and compile the respective test reports
- Conduct test campaigns (e.g., electromagnetic compatibility of EBOX) of sub-system and units
- Support the MAIT of the EGSE required for the tests, and the manufacturing of the electronics boards

The appointment begins as early as October 01st, 2024 for initially 2 years, renewable. We offer an annual gross salary of € 41.171,62 for this position, according to the collective agreement of the Austrian Academy of Sciences. Depending on qualification and experience, the salary can be negotiated.

Applications must include a cover letter in addition to (1) curriculum vitae, (2) cover/motivation letter and (3) certificates for full academic record. Please send the application as one PDF file (Job ID: IWF087TEC224) to gabriel.giono@oeaw.ac.at **no later than July 31st, 2024**. Inquiries about the position should be directed to Gabriel Giono.

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.