

Job ID: IWF017AS124

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

ACADEMY SCIENTIST (F/M/X)
in Satellite Laser Ranging & Space Safety
(full-time, 40h per week)

with tenure-track option.

We invite ambitious candidates who are interested in technology development for new and existing fields of satellite laser ranging (SLR) & space safety at the IWF. We strive for a tight link between SLR technology development / operation and scientific activities in the frame of space safety and ecology. New Machine Learning (ML) software technology should be considered for future development.

Your profile:

- PhD in experimental physics or instrumental astrophysics
- Experiences in the development of laser systems and/or photonics systems in SLR application
- Successful integration of optical systems for laser ranging operation
- Experiences with telescope/observatory operation and electronics development in the field of SLR
- Track-record in
 - project and people management,
 - leading role(s) in SLR related subunit development, and/or
 - development of innovative SLR related hardware (e.g. photonics) and/or software (e.g. ML methods) technologies
- Experience in deriving science output from SLR observations

Your tasks:

- Strengthening the leading position of the IWF Graz as SLR institution
- Supporting an existing research group with focus on SLR technology development and operation with a direct link to the IWF's aspiration to contribute to the theme of space safety & space ecology
- New developments and research in accordance with the scientific core activities of IWF
- Managerial support (jointly with senior engineers of the research group) for existing projects (incl., big data SL projects, attitude determination) and collaborations (incl., ILRS, SDLR)
- Proposal writing and reporting of projects in technology development
- Coordination of the group's activities to fulfil schedule requirements
- Supervision of group members and publication activities

The appointment begins as early as July 01st 2024 for initially 4 years with tenure-track option. We offer an annual gross salary of € 66.501,40 which may be adjusted according to the level of experience according to the collective agreement of the Austrian Academy of Sciences.

Applications must include a cover letter in addition to (1) curriculum vitae, (2) list of publications, (3) statement of relevant past experience (max 2 page), (4) a research & development plan (max 2 pages), (5) certificates for full academic record, and (6) two references letters.

Please send the application as one PDF file (Job ID: IWF017AS124) to cosima.muck@oeaw.ac.at **no later than 30th April 2024**. Inquiries about the position should be directed to Cosima Muck.

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.