

The Space Research Institute ([IWF](#)) with about 100 employees from twenty nations, is one of the largest institutes of the Austrian Academy of Sciences ([OeAW](#)). The institute is located in the Victor Franz Hess Research Center of the OeAW in the south of Graz and hosts [eight research groups](#) on the astrophysics of the solar system, exoplanets, and space instrumentation. The IWF also operates a world-leading satellite laser ranging station at the Lustbühel Observatory. The Space Research Institute in Graz invites applications for an

ACADEMY SCIENTIST (F/M/X)

Exoplanet atmospheres - multi-wavelength observations, analysis, and interpretation

(full-time, 40h per week)

The successful candidate will be part of Dr. Luca Fossati's research group Exoplanet characterisation and evolution. The group's research work concentrates on the observation, characterisation, and modelling of exoplanets, focusing in particular on the study of atmospheric structure and evolution using both observations and theory. The group is heavily involved in a number of current and future space missions (e.g. CHEOPS, CUTE, PLATO, ARIEL, ESCAPE, HWO), as well as large collaborations exploiting ground-based high-resolution observations.

Your tasks:

- Support the work aiming at exploiting data of the missions in which the group is involved, with focus on CHEOPS, CUTE, ARIEL, and HWO
- Support the group in the development of future mission concepts, with focus on HWO
- Propose for collecting new observations employing both ground- and space-based facilities, and carry out their analysis and interpretation
- Develop original funding applications for national and international funding agencies
- Develop, propose, and supervise projects for bachelor, master, and PhD students
- Publication of original research work on refereed journals

Your profile:

- Familiarity with the missions in which the group is involved. Experience with the analysis and interpretation of CHEOPS, CUTE, or ARIEL data will be considered as an advantage
- Familiarity with exoplanet atmospheric retrieval analyses
- Experience with the collection, analysis, and interpretation of ultraviolet and/or optical and/or infrared observations. In this respect, experience with exoplanet upper atmosphere and mass loss observations and/or modelling will be considered as an advantage
- Experience with the analysis and interpretation of exoplanet low- and/or high-resolution time-series spectroscopic observations
- Experience in scientific programming and publishing

The appointment begins as early as February 01st, 2025 and will be for 4 years with an optional extension of 2 years. We offer an annual gross salary of € 66.501,40 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 the applicant's research experience (max 3 page) (4) a research plan (max 1 page), (5) certificates for full academic record, and (6) the name and email address of two persons willing to send letters of recommendation. Please send the application in one PDF file, mentioning Job-ID: IWF114AS124, to luca.fossati@oeaw.ac.at by **September 30th, 2024**. Inquiries about the position should be directed to Dr. Luca Fossati.

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