

Job ID: IWF109AS122

The Space Research Institute ([IWF](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, has been studying the physics of space plasmas and the atmospheres of planets inside and outside our solar system. The IWF is offering a position as

## ACADEMY SCIENTIST (F\*M)

### *in Space Plasma Physics*

(full-time, 40h per week)

The space plasma physics group at IWF Graz is involved in a number of current and future magnetospheric and Solar System plasma missions, i.e., Cluster, THEMIS, MMS, BepiColombo, Solar Orbiter, SMILE, JUICE, Comet Interceptor, Helioswarm, for studying fundamental plasma processes in the solar wind and magnetospheres of Earth and other planets. The science outputs from these missions can be maximized with support from theoretical and numerical studies, which enables studying also universal plasma processes beyond our solar system.

The institute invites applications for an academy scientist position in the area of numerical studies of space plasma processes. The position is available for up to six years.

#### Your tasks:

- Theoretical and numerical studies in the area of space plasma physics related to the science objectives of the space missions: Cluster, MMS, SMILE, Solar Orbiter BepiColombo, JUICE
- Regular publications in the peer reviewed journals and presentations at the international conferences
- Conduct of own simulation projects (funded by a third party if needed)

#### Your profile:

- The applicant must hold a PhD in physics, astrophysics, or a related field
- Extensive experience in numerical simulation (PIC/MHD) of space plasmas and comparison with data from in-situ measurements
- Records of achievements in several topics in theoretical studies of space- and astro-plasma physics
- Advanced computational skills to work with HPC and GPU cluster is a prerequisite

You will become a member of an active international research group working on a variety of topics of space plasmas. We will offer you an opportunity to establish your research career in a positive working environment. The annual gross salary according to the collective agreement of the Austrian Academy of Sciences (OeAW) for this position is € 54.018,02. Depending on qualification and experience, the salary can be negotiated.

Please send your application: (1) a curriculum vitae, (2) a list of publications, (3) statement of the research experience (up to 2 pages), (4) up to three names of references with the contact information in a single PDF file via email to [rumi.nakamura@oeaw.ac.at](mailto:rumi.nakamura@oeaw.ac.at), mentioning Job ID: IWF109AS122, **no later than November 30<sup>th</sup>, 2022**. Review of application materials will start at October 15<sup>th</sup>, 2022 and will continue until the position is filled.

Inquiries about the position should be directed to Dr. Rumi Nakamura (+43-316-4120573). Find more information at: <https://www.oeaw.ac.at/en/iwf/research/research-groups/space-plasma-physics>

*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.*