Leibniz-Institut für Astrophysik Potsdam

The Leibniz Institute for Astrophysics Potsdam (AIP) is dedicated to astrophysical questions ranging from the study of our Sun to the evolution of the cosmos. Research focuses on cosmic magnetic fields and extragalactic astrophysics as well as the development of research technologies in the fields of spectroscopy, robotic telescopes and e-science. The AIP carries out its research mandate within the framework of numerous national, European and international cooperations. The institute is the successor to the Berlin Observatory, founded in 1700, and the Astrophysical Observatory Potsdam, founded in 1874, which was the first institute in the world to be explicitly dedicated to astrophysics. The AIP has been a member of the Leibniz Association since 1992. At our location, in the middle of a beautiful park landscape in Potsdam, not far from Berlin, about 200 employees work.

To strengthen Astrophotonics (innoFSPEC), we are looking for

Scientist (m/f/d)
Optical Fibers

Your tasks:

- Development and fabrication of fiber optic systems (e.g. Photonic chip coupling, Photonic lanterns, fiber filters)
- Support Manufacture, Assemble, Integrate and Test fiber optic modules for telescopes
- Support interfacing and deployment procedures for on-sky tests
- Support the research activities and contribute to peer-reviewed publications, patents, and conference papers.

What you bring to the table:

- MSc or PhD in astrophysics, instrumentation, or in related fields.
- Experience / expertise in handling optical fibers, optics and optical alignment processes
- Hands-on experience in designing, building, and evaluating lab experiments.
- Demonstrated programming skills.
- Excellent interpersonal and communication skills and ability to work in a team.
- Proficiency in communicating technical information, including written reports and oral presentations.
- Excellent proficiency in the English language. Basic German skills will be an advantage.

This is what we offer:

- a modern working environment; the office is spacious, very well equipped and located in the middle of the World Heritage Site,
- an open and collegial working atmosphere,
- flexible working hours,
- good opportunities for internal and external training,
- Salary and social benefits are calculated based on the German public service scale TV-L and depends on qualification.
- Social benefits of the collective agreement for the public service (TV-L) including the VBL company pension with reduced earning capacity and survivors' pensions as well as a

subsidy for the job ticket

The position is to be filled for a period of 4 years

If you are interested in the important task for us, please send your application preferably electronically to:

bewerbung-2024-08@aip.de

a) A cover letter (one page maximum) motivating your application,
b) Curriculum Vitae
c) MSc or PhD degree certificate (if already available, otherwise specify the expected completion date)
d) Copies of academic degrees
e) List of publications and talks
f) Research summary describing your experience, skills, and project-related work so far (no more than two pages, including any figures). In the cover letter, a link to a PDF of your PhD thesis would be appreciated (if applicable).
g) Contact information for two individuals willing to provide reference letters upon request. Note that we will request such letters only for a subset of applicants after an initial selection step.

The selection of candidates begins immediately and continues until the position is filled.

Equal opportunities are an integral part of personnel and organizational development at AIP, which is why applications from men and women are equally welcome. Preference will be given to people with disabilities if they have the same professional aptitude and ability.

Your application documents will be kept for a period of at least three months after the completion of the filling process. As a rule, your documents will be made available to a selection committee as well as to the committees and functionaries to be involved.

Leibniz-Gemeinschaft

TOTAL E-QUALITY