



Scientific Officer (f/m)

The Leibniz Institute for Astrophysics Potsdam (AIP) is located in the beautiful area of Potsdam-Babelsberg, at the southwest border of Berlin. AIP is a publicly funded German research institute founded in 1992, which emanated from the Berlin Observatory and the Astrophysical Observatory Potsdam (AOP). The latter was the world's first observatory to emphasize explicitly the research area of astrophysics. Today, the AIP has an international reputation as a competence centre for the development of research technology in the fields of spectroscopy, robotic telescopes, E-Science. About 130 scientists work on a variety of Astrophysics and Instrumentation related topics. As a member of staff at the AIP, you will have the advantage of working very close to the Berlin metropolitan area as well as enjoying the calm, family-friendly area of Potsdam-Babelsberg.

Overview

The Supercomputing and E-Science Group at AIP aims at bridging the gap between excellent astronomical research and state-of-the-art IT infrastructure and software. Our work focuses on the development and implementation of efficient methods for the management, curation and publication of both observational and simulation data. As one of the founding members of the German Astrophysical Virtual Observatory (GAVO), we are a strong supporter of the standards and protocols of the International Virtual Observatory. We host several Virtual Research Environments for international collaborations, to enable scientists from all over the world to work collaboratively on large datasets. For the AIP we maintain and operate the compute and storage cluster facilities and several web services. Also, we participate in digitisation of historic astronomical photographic plates and develop methods for extraction of object catalogues from these data.

We are looking for a new colleague for the second phase of the DFG funded project “Research Data Management Organiser (RDMO)”¹. RDMO is a tool to support scientists, groups, collaborations and institutions to organise all tasks around the management of research data. The project is a interdisciplinary effort by the FH Potsdam, KIT Library, and AIP. In the upcoming project phase, we will build on the successful implementation of this tool, further improving its functionality, supporting our community, and work towards a sustainable model for the development and maintenance of the software.

The successful candidate will work on the implementation of new features and APIs into the RDMO codebase², the integration of RDMO into the research infrastructures, and the support of other institutions deploying and operating RDMO.

Skills and Requirements

Essential - The successful candidate must have:

- A master degree or PhD in Physics or Computer Science or a related field
- Significant experience in programming and software development
- Fluency in spoken and written English
- Excellent teamwork and communication skills

¹ RDMO webpage: <https://rdmorganiser.github.io>

² RDMO repository: <https://github.com/rdmorganiser/rdmo>

Desirable - It is desired that the successful candidate has or is willing to develop:

- Experience in the management and publication of research data
- Experience with web development
- Experience with Linux systems
- Experience with relational databases
- Proficiency with Python and the Django framework
- Proficiency with JavaScript and the AngularJS framework
- Participation in Open Source Software projects

We offer a position on a fixed-term contract of 30 month, ideally starting October 2017. Employment will be based in Potsdam, Germany, but willingness to do some travel is expected. The salary is based on the German public service scale (TV-L E13). The AIP is an equal opportunity employer and especially encourages applications from women. It values diversity. Preference will also be given to handicapped persons with equal competence.

Please send a single PDF (up to 10 MB), including your cover letter, your curriculum vitae, statements on education, skills, and experience. Applicants should arrange for two to three letters of recommendation to be sent to the same email address. Review of applications will begin immediately and continue until the position is filled.

Email: bewerbung_2017-12@aip.de

For further information regarding the position, please contact:

Dr. Harry Enke

Supercomputing & E-Science

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See also the AIP website: <http://www.aip.de>