



As a member of the Helmholtz Association, Forschungszentrum Jülich makes an effective contribution to solving major challenges facing society in the fields of information, energy, and bioeconomy. It focuses on varied tasks in the area of research management and utilizes large, often unique, scientific infrastructure. Come and work with around 6,400 colleagues across a range of topics and disciplines at one of Europe's largest research centres.

The Low Frequency Array (LOFAR) is currently the worldwide largest radio telescope able to measure radio waves in the short and ultrashort wavelength range. Its 51 receiver antennae are distributed over seven countries. This unique telescope enables astronomers to obtain breaking edge new insights, for example about the activities of the Sun or the development of the early universe. Within the German-Dutch project LOFAR the Research Center Jülich hosts a LOFAR station and Jülich Supercomputing Centre (JSC) runs a distributed storage system based on the dCache software, which stores the data from the Jülich LOFAR stations and other stations of the network. The JSC operates supercomputers of the highest performance class, enabling scientists and engineers in Germany and Europe to tackle some of the most complex and challenging problems of our time. Using this experience JSC to locally store these data and provide access to the data for the users in collaboration with the international partners. LOFAR is only the first step enabling us to gain experience in processing the large amounts of data in the area of radio astronomy with the aim to develop new concepts for the Big Data challenges of the future in the context of SKA.

We are seeking as support of our LOFAR activities a

2020-116 - Computational Research Scientist for the LOFAR Support Team

Your Job:

You will support the tasks in the context of the radio astronomical instrument LOFAR by

- Maintenance of the storage infrastructure for the observational data of the national LOFAR stations
- Co-operations with the partners of the LOFAR project on the usage and processing concept for the LOFAR data
- Planning and concept development of innovative storage infrastructures in the context of NFDI and SKA
- Publication of the results and presentation at national and international conferences

We look forward to receiving your application until 12.05.2020 via our **Online-Recruitment-System!**

Questions about the vacancy?

Contact us by mentioning the reference number 2020-116:

career@fz-juelich.de

Please note that for technical reasons we cannot accept applications via email. www.fz-juelich.de

Your Profile:

- Master (or comparable) degree from a university with internationally accepted quality standards in informatics, mathematics, physics or computational sciences or a related subject
- Strong knowledge of script languages
- Knowledge of service-oriented architectures, web services
- Previous experience in implementation and usage of dCache or similar Grid software
- Structured and systematic working style as well as ability for cooperative work in international teams
- Willingness to contribute with talks to international conferences and participate in courses and tutorials
- Very good command of English and good knowledge of German

Our Offer:

- Vibrant international and interdisciplinary work environment on an attractive research campus, ideally situated between the cities of Cologne, Düsseldorf, and Aachen
- A comprehensive further training programme
- Flexible working hours and various opportunities to reconcile work and private life
- Limited for 2 years with possible longer-term prospects
- Full-time position with the option of slightly reduced working hours
- Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD)

Forschungszentrum Jülich promotes equal opportunities and diversity in its employment relations.

We also welcome applications from disabled persons.