



# Max-Planck-Institut für Radioastronomie



The Max Planck Institute for Radio Astronomy is one of the 84 independent research institutes of the Max Planck Society for the Advancement of Science (MPG). As an innovative research institution with numerous collaborations abroad we carry out fundamental research in the field of astronomy. In Bad Münstereifel-Effelsberg we operate one of the largest radio telescopes in the world. We also maintain astronomical receiver systems at locations all over the world.

For the team at the Radio Observatory in Effelsberg we seek a

## Scientific Staff Member (full time, available immediately)

### Your tasks:

- Supervision of the astronomical part of the telescope control (position regulation, sequence control)
- Development of software for the telescope control (including hardware-oriented programming of real-time operating systems) as well as for monitoring tasks
- Administration of several Linux servers
- Supervision of the raw data acquisition and archiving, including the maintenance of SQL databases for the storage of metadata
- Participation in further activities at the Observatory is welcome. These include e.g. own scientific projects, public relations events, etc.

### Your profile:

- A PhD in astronomy, physics or computer science
- Very good programming skills in the languages C / C++ and Python as well as in object-oriented software design
- Experience with hardware-oriented programming (e.g. with real-time operating systems)
- Knowledge of the system administration of Linux servers as well as of administration of networks
- Experiences with SQL databases and the version control software git are desirable
- First-hand experiences with radio astronomical measurement technology are of great advantage
- Teamwork, self-reliance and reliability as well as excellent German and English language skills are essential

### We offer:

- an interesting and diversified job in an attractive and international environment within a motivated and open-minded team
- salary (depending on qualification and experience) and social benefits in accordance with the regulations of the German TVöD Bund (salary agreement for public service employees).
- an additional occupational pension scheme (VBL)
- family-friendly, flexible working hours

We are trying to balance gender within the division, hence encourage women to apply.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.

Please submit your application under the following link:

[https://s-lotus.gwdg.de/mpg/mbra/perso/mpifr\\_bonn\\_sci\\_003.nsf/application](https://s-lotus.gwdg.de/mpg/mbra/perso/mpifr_bonn_sci_003.nsf/application)

For questions, please contact Dr. Alex Kraus ([akraus@mpifr.de](mailto:akraus@mpifr.de)).

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