



Picture: © Uni Bonn, Volker Lannert

The University IT centre is seeking applications for an IT-Specialist in **High Performance Computing, TV-L 13 (100%)**

The University IT centre at the University of Bonn is looking for a suitable candidate for the technical implementation of the University of Bonn's high performance computing strategy.

The University of Bonn is an internationally active institute of higher education pursuing top-level research in a broad range of subjects. Some 38,000 students and more than 6,000 employees study and work on the foundation of a 200-year-old tradition. Recently awarded the status of a University of Excellence, the University of Bonn is one of the leading universities in Germany and enjoys an excellent international reputation.

Your tasks

You will take up a management role in the technical implementation of the high-performance computing strategy currently being rolled out at the University of Bonn.

You will work with a team on the design, development and operation of cluster computer systems, both at the University of Bonn and the Fraunhofer Institute for Algorithms and Scientific Computing SCAI.

Together with your team members, you will work on activities embedded in the High Performance Computing & Analytics Lab (HPC/A-Lab) and the statewide competence network HPC.NRW.

Working with the members of the HPC/A-Lab, you will contribute to the coordination of user support and the design and implementation of courses, workshops, hackathons and other teaching activities in the area of HPC.

You have strong interests in the latest developments in the area of HPC technologies such as batch and workload management systems (especially Slurm), parallel file systems (GPFS, Lustre, etc.) and the operation of heterogeneous HPC clusters employing GPUs (NVIDIA, AMD, Intel, etc.), vector accelerators (NEC AX-Aurora, etc.) or FPGAs.

We offer

- An exceptionally demanding role with considerable freedoms and prospects in the establishment of a new department at the University of Bonn.
- Work in highly-motivated teams.
- Comprehensive and targeted continual professional development supported by experts at the Fraunhofer SCAI, the various institutes of the university and the university IT centre.
- Good working conditions and a pleasant working atmosphere.
- Participation in international training measures and conferences (SC, ISC, ICPP, etc.).
- Flexible and employee-friendly working hours.
- Remuneration in accordance with Entgeltgruppe 13 TV-L.

You have

- A master's degree and ideally three years work experience in a field relevant to HPC or a doctorate in computer science, mathematics or a related field in the natural sciences or a technical discipline.
- Experience in team work and the coordination of tasks.
- An excellent knowledge and understanding of and skills with Linux, especially in system installation and administration.

- An excellent knowledge and understanding of and skills in shell and scripting languages (python, bash, etc.).
- Fluent spoken and written English.
- At least intermediate-level German (as most interactions at the IT-centre are carried out in German).

Desirable skills

- Deployment of high-speed network technologies (InfiniBand, Intel OmniPath, etc.).
- Usage and deployment of configuration management systems (ansible, puppet, foreman, etc.).
- Version control systems and collaborative code development and management (git, bzr, github, bitbucket, etc.).
- Web application frameworks (django, ruby on rails, etc.) and the associated languages (python, JavaScript, HTML5, PHP, ruby, etc.).

Please send all applications as a single PDF file stating the reference number 85/20/3.202, by e-mail to: hrz-leitung@uni-bonn.de

Please address any questions to: Martin Ragg (martin.ragg@uni-bonn.de, +49 (0)228 73- 4415)

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. The University of Bonn seeks to increase the proportion of women on its staff in areas in which women are underrepresented and in particular, expedite their career progression. To this end, the University of Bonn strongly encourages applications from qualified women. Applications will be handled in accordance with the State Equality Act (Landesgleichstellungsgesetz). Applications from qualified candidates with a certified severe disability or from those of equal status are particularly welcome.