UNIVERSITY OF COLOGNE

Scientific staff (f/m/x) for HPC-technologies in research contexts

Regional Computing Center (RRZK/ITCC)

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

The Regional Computing Center (RRZK/ITCC) is a central facility of the University of Cologne. Its department of "High Performance Computing (HPC) und Visualization" operates a high-performance cluster available for researchers from North-Rhine-Westphalia (NRW). The HPC-System is being increasingly used for complex problems in the astronomical research that require special support.

YOUR TASKS

As part of the HPC team, you and your colleagues are responsible for the operation of the high-performance cluster and the technical support of the systems used by the CRC1601 and by the CCAT Observatory Data Center. Your tasks include:

» Research into novel techniques for combining different high-performance computing technologies
» Research and development in the field of high-performance computing for the optimization of the processing of astronomical data
» Installation, configuration and maintenance of project-specific hardware and software on the HPC-system
» Design and implementation of backup and transfer strategies, as well as identification and elimination of vulnerabilities (e.g. in performance or security)
» Support the project and consortium members in the usage of software and programing activities

YOUR PROFILE

» University degree (MSc) in computer science, or a related discipline with several years of professional experience
» Good knowledge of Linux and shell programming
» Several years of professional experience in an HPC environment and/or in IT-project management
» Team-oriented personality. Experience in consulting is an advantage
» Creating strong concepts as well as having a meticulous and conscientious work ethic, working independently

» Very good communications skills in German and English
» Experience in the research area of astronomy/astrophysics is an advantage

WE OFFER

» Exciting position at the interface between research and IT
» A diverse working environment with equal opportunities
» Support in balancing work and family life
» Extensive advanced training opportunities
» Occupational health management offers
» Flexible working time models
» Opportunity to work remotely

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

The position is available immediately on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term until 31.03.2027. If the applicant meets the relevant wage requirements and personal qualifications, the salary will be based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: https://jobportal.uni-koeln.de. The reference number is Wiss2402-11. The application deadline is 31.03.2024. For further inquiries, please contact Monica Valencia-Schneider (vs@uni-koeln.de) or Viktor Achter (vachter@uni-koeln.de).

hr

HR EXCELLENCE IN RESEARCH