The University of Vienna (20 faculties and centres, 184 fields of study, approx. 10.400 members of staff, about 90.000 students) seeks to fill the position as soon as possible of a

University Assistant (prae doc)
at the Research Group Scientific Computing
at the Faculty of Computer Science, University of Vienna
under the supervision of Prof. Siegfried Benkner

Reference number: "#07 PC4-23: SC Prof. Benkner"

The Faculty of Computer Science of the University of Vienna has world-leading researchers in Computer Science who pursue basic as well as applied research. The UniVie Doctoral School Computer Science (DoCS) builds an essential framework to foster excellence in research and teaching. Its main focus is on young prospective researchers eager to make an impact on both basic research as well as applied problems with collaborations across the University and beyond. The DoCS aims to provide these young researchers with the broad knowledge and expertise needed to perform Computer Science research at the highest achievable quality. The Doctoral School trains doctoral candidates in solving basic as well as applied research questions of high relevance.

The Research Group Scientific Computing (SC) has achieved international recognition in the field of software for parallel and distributed systems. Research focuses on the design and development of languages, software tools, and programming environments with the goal of making distributed and parallel computing platforms accessible to a broad range of users in science and industry. SC has contributed in the past to more than ten international projects related to High Performance Computing, Parallel Computing and Cloud computing. The SC group is looking for highly motivated research assistants that aim at a PhD degree in the areas of programming models, runtime systems, and tools for parallel computing, high performance computing, data-intensive computing, IoT/Edge/Cloud computing. We are offering an excellent working environment in a young, creative and highly motivated international team.

Duration of employment: 3 years (The announcement is made for 3 years, whereby the employment relationship is initially limited to 1.5 years and is automatically extended to a total of 3 years, unless the employer submits a declaration of non-renewal after a maximum of 12 months. In case of probation and appropriate work progress an extension to 4 years is possible.)
Extent of employment: 30.0 hours/week
Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

Job description
Participation in research, teaching and administration:
- Participation in research projects/research studies
- Participation in publications/academic articles/presentations
- We expect the successful candidate to sign a doctoral thesis agreement within 12-18 months.
- Participation in teaching and independent teaching of courses as defined by the collective agreement

- Supervision of students
- Involvement in the organisation of meetings, conferences, symposiums
- Involvement in the department administration as well as in teaching and research administration

The research should focus on programming models, runtime systems, and tools for advanced computing.

Profile
- A university or college degree (master's degree or equivalent): a degree in computer science is a core requirement.
- Excellent programming skills (C/C++, Java, …) as well as parallel/distributed programming skills.
- Excellent communication and social skills (team player)
- Experience with parallel and distributed infrastructures (multicore architectures, cluster computing, Cloud computing, resource management, virtualization) is a plus.

Desirable qualifications are
- Teaching experience / experience of working with e-learning
- Knowledge of university processes and structures
- Experience abroad
- Basic experience in research methods and academic writing

Application documents
- Curriculum vitae
- Letter of Motivation including ideas for a prospective doctoral project proposal
- Abstract of master thesis
- Degree certificates
- List of publications, evidence of teaching experience (if available)

For further information please contact Prof. Siegfried Benkner (siegfried.benkner@univie.ac.at).

Applications should be submitted via the recruiting tool Apply@DoCS | Servicedesk Universität Wien (univie.ac.at), mentioning reference number "#07 PC4-23: SC Prof. Benkner". Further details are available here (also how you set up an u:account): https://docs.univie.ac.at/apply.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special emphasis on increasing the number of women in senior and academic positions. Given equal qualifications, preference will be given to female applicants.

The candidate who is selected for this position joins the DoCS as a doctoral student member.