

At the University of Göttingen -Public Law Foundation-, Institut für Informatik, there are 2 positions as

**Research assistant (all genders welcome)**  
**Entgeltgruppe 13 TV-L/100%**

to be filled. Starting date is as soon as possible. The positions are limited to 3 years (with possible temporary extension according to WissZeitVG).

The newly founded *Compilers & Programming Languages* group led by *Roland Leißa* is looking for two academic researchers to join our team.

**Our Research**

Our group is part of the Institute of Computer Science at the Faculty of Mathematics and Computer Science. The focus of this group is the development of innovative programming languages and compilers that enable the programming of portable and high-performance applications for modern computer architectures.

We focus in particular on various forms of parallelization.

As our computing landscape becomes more and more heterogeneous, such tools are exceedingly important.

Our work attaches great importance to abstracting concrete application problems from industry and research such as simulation software with theoretically sound methods and thereby creating higher-level and reusable solutions.

**Your Responsibilities**

In this position, you have the chance to pursue a PhD degree. You are expected to:

- conduct innovative research on one of the topics mentioned above.
- communicate research results in peer-reviewed proceedings and journals and present them at international research conferences.
- participate in teaching and examination (4 teaching hours per week during the semester).
- support curriculum development.
- take an active role in supervising students.
- participate in further development of the research group.

**Your Profile**

The ideal candidate

- has obtained a very good master's degree in computer science or a related discipline.
- has excellent programming skills in a system programming language like C/C++ or Rust and/or a functional programming language like OCaml or Haskell.
- has at least knowledge in one of the following areas: compilers, multi-threading, GPUs, FPGAs, SIMD, proof assistants, or other formal methods.
- can independently acquire and process new knowledge.
- is a team player with good communication skills.
- shows very good command of written and spoken English (knowledge of German is beneficial).
- has obtained teaching experience and is willing to improve their didactic competence.

To apply, please submit the following information:

- letter of motivation (1 page), including a clear indication why this position is interesting for you and what makes you a qualified candidate
- a detailed CV
- a transcript of grades (Bachelor/Master studies)
- a page containing a link to an example of your work (your most recent thesis, a code repository) and a short explanation on how this work represents your profile. If the document is not publicly available, please attach it as pdf.

Applications arriving after the deadline will still be considered if the position has not yet been filled. The starting date can be negotiated.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equality is to be included in the application in order to protect the interests of the applicant.

Please upload your application in one pdf file including the usual documents until 4/7/2025 on the application portal of the university using this link: <http://obp.uni-goettingen.de/de-de/OBF/Index/74866>. For more information get in touch with Roland Leißa directly via E-Mail: [roland.leissa@cs.uni-goettingen.de](mailto:roland.leissa@cs.uni-goettingen.de), Tel. +49 551 39 26053 .

**Please note:**

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the [Information General Data Protection Regulation \(GDPR\)](#)

