

## Electronics Engineer at the University of Göttingen (II. Institute of Physics)

The II. Institute of Physics at the Georg-August University of Göttingen has an opening for an

### Electronics Engineer (f/m/d) (salary group E10 TV-L)

(full time employment, currently 39.8 hours per week). The position is to be filled as soon as possible. The institute is involved in various large-scale research projects, including the Upgrade for the ATLAS Experiment in the context of the High-Luminosity LHC.

#### Your tasks

- The phase II upgrade of the pixel detector of the ATLAS experiment is in the advanced stage of the development phase in transition to (pre-)production. The construction of detector components of the pixel detector such as modules, cells and longerons will start soon. The ATLAS group in Göttingen is active in the field of development of the readout system and will carry out qualification tests of the silicon sensors associated with the production phase as well as build and test modules. In both cases, the development and handling of high-frequency-capable multilayer boards, some of which are equipped with modern FPGA devices (Virtex7 or newer), is planned. For this purpose, we are looking for a candidate that possesses expertise in the design of these circuit boards, who can carry out testing, and quality control of these important components.
- Organisational and technical support for laboratory courses administered by the 2nd Institute and the Faculty of Physics, including the introductory laboratory physics course, the laboratory course for non-physics majors, and the electronics laboratory course.

#### Your Profile

- a completed Bachelor's, Master's (or Diplom) degree specialising in electronics engineering or in a similar field
- Knowledge and expertise in electronics and development of FPGA-Firmware
- Software and programming skills
- proficient knowledge of the English language

Applications should be sent by **6 September, 2021**, and can be addressed to:

**Prof. Dr. Arnulf Quadt**  
**II. Physikalisches Institut**  
**Georg-August-Universität Göttingen**  
**Friedrich-Hund-Platz 1**  
**37077 Göttingen, Deutschland**  
[aquadt@phys.uni-goettingen.de](mailto:aquadt@phys.uni-goettingen.de)

The University of Göttingen aims to increase the proportion of women in areas where women are underrepresented and therefore explicitly invites qualified women to apply. The University has set itself the goal of employing more severely disabled people. Applications from severely disabled persons will be given preference if they are equally qualified.



**FAMILIE N DER  
HOCHSCHULE**

Notice:

We would like to point out that submitting an application constitutes consent under data protection law for us to process your applicant data. You can find more details on the legal basis and use of data in the information sheet on the General Data Protection Regulation (DSGVO).