

Johannes Gutenberg University Mainz (JGU) is one of the largest universities in Germany. Thanks to its location in the Rhine-Main science region, the university can unfold to its full potential and showcase its innovative power and dynamism. Its status as a comprehensive university allows for multidisciplinary learning and teaching and has great potential for internationally renowned, interdisciplinary research. Almost all of its institutes are located on a single campus close to the Mainz city center – creating a lively academic culture for researchers, teaching staff, and students from every continent.

**Faculty 08 – Institute of Physics, Scientific Working Group ETAP –
of Johannes Gutenberg University Mainz**

Electronic Engineer (m/f/d)

full-time (100%)

At the Institute of Physics of Johannes Gutenberg University, more than 30 professors and 180 researchers work on a broad spectrum of scientific fields in fundamental research as well as in applied sciences. The institute employs a further 60 staff members as engineers, mechanics or in the administrative sector.

The research of the scientific working group ETAP in the field of experimental particle- and astrophysics is dedicated to an understanding of the elementary building blocks of the universe and their fundamental interactions. Scientists of the working group participate in some of today's most important experiments in this field worldwide. Within the framework of ETAP, the holder of this position will be member of the newly established group of Prof. Alfons Weber for neutrino research.

Your tasks:

You take a leading role in the development and improvement of electronic components and equipment for the experiment of the research group. This includes the following tasks:

- Design, development and implementation of electric circuits and components for various applications in particle physics experiments
- Analysis of the specific demands of the experiments from the electronics
- Definition and specification of the equipment in discussion with international project partners
- Programming of the developed electronic hardware, particularly based on PICs and FPGAs
- Documentation and verification of the newly developed or improved hardware
- Support for scientists in the use of the electronic equipment
- Maintenance of the hardware and elimination of eventual problems or errors

Your profile:

- A successfully completed university degree in engineering (at least bachelor or diploma) in the field of electrical engineering or informatics or equivalent qualifications
- Very good knowledge and skills in all aspects of electrical engineering, in particular regarding the fast digital data transmission and processing
- Good knowledge of modern CAD/CAE software

- Knowledge of the relevant safety guidelines
- Good knowledge of the English language
- Good skills and readiness to communicate and work together with international scientists, engineers and technicians
- Ability to work independently
- Willingness for and interest in continuing professional development (CPD)

In addition to the general requirements according to public services law, applicants must meet the recruitment requirements stipulated in § 57 of the *Hochschulgesetz* of Rhineland-Palatinate.

What we have to offer:

- Interesting, varying tasks in a dynamic, international working environment
- Jobticket, optional for the entire Rhine-Main area
- Extensive CPD offer
- Flexible working time arrangements

The position is paid according to **EG 11 TV-L** and to be filled as soon as possible. The position is permanent.

JGU is diverse and welcomes qualified applications from people with varied backgrounds.

We aim to increase the number of women in the field of research and teaching and therefore encourage female researchers to apply.

Candidates with severe disabilities and appropriate qualifications will be given priority.

Please upload your complete application as one pdf file by **17.10.2021** at the latest to the career portal of JGU, accessible by the following link:

[Stellenboerse Uni-Mainz](#)

For questions and further information please contact Prof. Weber by phone 06131/39-24175 or e-mail: A.Weber@uni-mainz.de.

[Data protection information](#)

