



# FIRMWARE DEVELOPMENT.

## DESY, Zeuthen location, is seeking: Firmware Engineer (f/m)

### DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics.

The electronics group at DESY / Zeuthen develops and builds components for the instrumentation of experiments in particle and astroparticle physics as well as in accelerator systems.

### The position

- Contribute to the development of FPGA based electronics for projects in astroparticle, particle and accelerator physics
- Development of software and firmware
- Design of hardware test setups
- Development of test and diagnostic modules
- Design, setup, test, and integration into existing systems
- Documentation and, where appropriate, publication and presentation of the work results

### Requirements

- Completed higher education in electronics or computer engineering or equivalent expertise, skills and experience
- Expertise of the FPGA programming language VHDL
- Expertise in C and C ++ programming for RISC and microcontrollers, as well as soft core processors
- Expertise in Linux kernel driver programming
- Expertise of network protocols (UDP, TCP/IP)
- Good knowledge of English. Knowledge of German is an asset
- Ability to work independently and creatively
- Readiness for teamwork, also within international cooperations

For further information please contact Karl-Heinz Sulanke +49-33762-7-7207 (karl-heinz.sulanke@desy.de).

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. Handicapped persons will be given preference to other equally qualified applicants. DESY operates flexible work schemes. DESY is an equal opportunity, affirmative action employer and encourages applications from women. Vacant positions at DESY are in general open to part-time-work. During each application procedure DESY will assess whether the post can be filled with part-time employees.

We are looking forward to your application quoting the reference code preferably via our electronic application System: Online-Application

### Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: FHMA063/2017

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**Deadline for applications: Bis zur Besetzung der Position.**

**[www.desy.de](http://www.desy.de)**