



LASER ENGINEERING.

DESY, Hamburg location, is seeking: Laser 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.

DESY's laser science and technology group is responsible for research, development and operations of high power femtosecond and picosecond lasers related to particle accelerators and free electron lasers (FEL). We also supply FEL user experiments with experiment specific, tailored optical laser pulses. To join our fast growing, international team of scientists, engineers and technicians, we are seeking to employ a self-driven highly motivated laser engineer.

The position

- Develop novel high power, high energy laser systems for FELs
- Transfer laser concepts from research labs to reliable prototypes Systems
- Support design and implementation of laser beam delivery to the FEL or experimental stations
- Interact with electronics and controls engineering teams
- Provide laser support to DESY users to guarantee a high success rate of their scientific experiments
- Generate manuals, test reports and documentation for laser systems
- Develop laser beam diagnostics and control software

Requirements

- Bachelor degree with at least four years of experience or Master's degree with two years of experience in Photonics, Physics, Electrical Engineering, Laser Engineering, or similar discipline
- PhD is a plus
- Good understanding of laser physics and engineering concepts
- Hands-on development experience in at least one of the following fields: high power lasers, high energy lasers, non linear optics, ultrafast lasers
- Experience in experiment control software (Labview, Matlab or similar)
- Experience in mechanical design or vacuum technology is a plus
- Electronics and programming skills are a plus
- Excellent team-work and the ability to communicate effectively both orally and in writing in a multi-lingual multi-disciplinary research environment

For further information please contact Dr. Ingmar Hartl ingmar.hartl@desy.de.

The position is limited to 2 years.

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. There is a bilingual kindergarten on the DESY site.

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: FSMA030/2017

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Deadline for applications: 19 May 2017

www.desy.de