



For our location in Hamburg we are seeking:

Laser-Beamline Scientist

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics. More than 2400 employees work at our two locations Hamburg and Zeuthen in science, technology and administration.

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).

For design and implementation of ultrafast laser- XUV FEL pump-probe experiments in the context of time resolved condensed matter physics and surface science at DESY's FLASH PG beamline we are seeking a self-driven highly motivated scientist to complement our fast growing, international team of scientists, engineers and technicians.

The position

- Research and development of versatile ultrafast laser sources for pump-probe experiments at FEL beamlines with focus on nonlinear conversion schemes to extend the pump laser spectral coverage from UV to THz for photoelectron spectroscopy experiments
- Research in condensed matter science with focus on photoelectron spectroscopy using DESY's large scale facilities and ultrafast laser instrumentation
- Support pump-probe ultrafast laser - XUV FEL experiments at DESY's XUV Free Electron Laser FLASH

Requirements

- PhD in physics, chemistry, electrical engineering or similar discipline with several years of experience
- Excellent knowledge of laser science and technology, condensed matter physics and surface science
- Demonstrated experience in pump-probe femtosecond laser spectroscopy and photoelectron spectroscopy
- Ability to develop an active research program compatible to existing research infrastructure

For further information please contact Dr. Ingmar Hartl 040-8998-2863, ingmar.hartl@desy.de.

The position is limited to 2 years, with the option of extension.

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 via our application system: www.desy.de/onlineapplication

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Deadline for applications: 2019/10/20