



FEMTOSECOND OPTICS.

DESY, Hamburg location, is seeking: Senior Laser Scientist (f/m) Femtosecond Optics

DESY

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

The "Ultrafast Optics and X-rays division" develops novel high-energy sub-optical-cycle carrier-envelope phase stable optical parametric sources in the visible and infrared spectral regions for high harmonic generation and strong field physics. To expand these activities we are looking for a senior researcher who leads all aspects in research, development, design and construction of such sources and interfaces with the applications aspects.

The position

- Lead a team of students, scientists and engineers in the field of femtosecond laser sources and cooperate with other research groups at home and abroad
- Develop novel optical pulse sources for the generation of sub-cycle laser pulses with controlled carrier-envelope-phase
- Expand on nonlinear optics to generate intensive THz radiation
- Generate Higher Harmonics and their application
- Apply for third party funding

Requirements

- PhD in Physics or Electrical Engineering with experience in the areas of OPCPAs, THz generation as well as ultrafast time-resolved spectroscopy
- More than 5 years of industrial and/or academic experience in ultrafast laser science
- Excellent scientific knowledge base of nonlinear optics, pulse synthesis as well as CEP stabilization
- Ability to lead an active research and development group in the area of novel femtosecond laser sources

For further information please contact Prof. Franz Kärtner +49-40-8998-6350 (franz.kaertner@cfel.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. 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: FSMA043/2017

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Deadline for applications: 2 June 2017

www.desy.de