



Call for 2014 DESY-ONACPR Fellowship Applicants

Research Laboratory: DESY
Division/Group: Ultrafast Optics and X-Rays
Supervising scientist: Prof. Dr. Franz X. Kärtner
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Research Field: Ultrafast X-ray sources
Position: Postdoctoral Research in Advanced Femtosecond Laser, High Power and Energy Lasers, Terahertz Generation, Free-Electron Lasers
Research Area:

A novel compact free-electron laser source is developed using high energy THz pulses. The THz radiation is generated from high power and high energy femtosecond laser systems. The research areas covered in this project include: Femtosecond lasers, noise in femtosecond lasers, femtosecond laser frequency combs, high energy and high power (1J, 1kW) short pulse laser systems based on cryogenic lasers, optical parametric amplifiers at visible, 1 μm and 2 μm wavelength, efficient THz generation, THz waveguides, electron-beam dynamics, characterization of electron-beams, nano-plasmonic devices, attosecond science, electromagnetic field computation, simulation of free-electron laser dynamics, characterization of electron- and x-ray pulses, quantum noise in optical and electron beams.

Specific Requirements:

We are looking for a postdoc that is has excellent experimental and/or theoretical skills in at least one of the above mentioned research areas.

We are seeking motivated and enthusiastic postdoctoral researchers to join our group at CFEL (Center for Free-Electron Laser), Hamburg, Germany.

For more information please visit:

http://desy.cfel.de/ultrafast_optics_and__x_rays_division/

Work Place: Hamburg
Earliest Start: Fall 2014
Language
Requirement: proficiency in scientific and casual English (spoken and written) please note that we require for all candidates proven records of English, e.g. CAE certificate or other certificate with the same level.

Application Code: DESY/2014/7

Further Remarks: