



Call for 2014 DESY-ONACPR Fellowship Applicants

Research Laboratory: DESY
Division/Group: FS-Photon Science
Supervising scientist: Dr. Stefan Düsterer
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Research Field: XUV optics, solid state physics on ultrafast timescales
Position: Postdoctoral Research in FEL pulse characterization

Research Area:

The Free-Electron-Laser FLASH at DESY provides unique opportunities for research using ultrafast short-wavelength radiation. The diagnostic of the soft x-ray pulse parameters is essential to carry out well defined experiments. Here, the duration and shape of the only few fs- short pulses is the most striking and most difficult parameter to measure. We are searching for a motivated Postdoc to tackle this challenge in the collaboration with the group of Prof. Drescher (University of Hamburg):

- Development of novel XUV-pulse duration diagnostics based on XUV-optical correlation techniques
- Modelling of the underlying physics (solid state physics on ultrafast timescales, fs- optics)
- Design and test of the experimental setup

Specific Requirements:

- Solid background in optics
- Experience with ultra-short laser pulses
- Solid background in solid state physics
- Preferably experience with using and building UHV vacuum chambers
- ability to work in a team

For more information please visit:

<http://flash.desy.de/>

Work Place: Hamburg
Earliest Start: November 2014
Language Requirement: 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/2014/1
Further Remarks: