



# SCIENTIFIC COMPUTING.

## DESY, Hamburg location, is seeking: Scientist (f/m) computational science

### DESY

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

DESY looks back on a long tradition in synchrotron radiation experiments in a wide range of applications and has developed into one of the leading centers in this field worldwide. The research group "X-ray Nanoscience and X-ray Optics" (FS-PETRA) is developing X-ray microscopy techniques for synchrotron radiation sources and X-ray free-electron lasers with a focus on coherent X-ray diffraction imaging at highest spatial and temporal resolution. We are seeking a computer scientist to develop and implement algorithms for X-ray microscopy, in particular for tomography and ptychography.

### The position

- Develop, implement and optimize numerical algorithms for imaging with X-rays
- Develop, implement and optimize the process chain for numerical evaluation of experiments in X-ray microscopy

### Requirements

- Master in computer science (university degree) or equivalent qualification
- Sound knowledge in computer science and numerical mathematics
- Specialist for numerical algorithms for inverse problems
- Working experience in development and implementation of numerical algorithms on cluster and GPU based systems, performance optimization of parallel algorithms
- Interest in X-ray microscopy

For further information please contact Christian Schroer +49-40-8998-2503 or Andreas Schropp +49-40-8998-6537.

The position is limited initially to 2 years with the possibility of permanent employment.

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: FSMA063/2016

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**Deadline for applications: 31 March 2017**

[www.desy.de](http://www.desy.de)