



The Max Planck Institute for the Structure and Dynamics of Matter (MPSD) is a research institute of the Max Planck Society for the Advancement of Science e.V., which currently employs about 150 people.

The scientists of the MPSD investigate dynamic phenomena in matter on elementary time scales of atomic and electronic movements. The institute is located on the research campus Hamburg-Bahrenfeld and is a partner in the Center for Free-Electron Laser Science (CFEL), together with DESY and the University of Hamburg

For our Theory Department we are seeking a

Software Developer (m/f)

Your position:

The successful candidate will work on the maintenance and development of the in-house scientific computer program OCTOPUS, a package aimed at the first principles simulation of the response of molecules, nanostructures and solids to arbitrary time dependent external perturbations and on improving the performance and massive parallelization of the code. He/she will also contribute to the training of the students in the proper use of the code and in the best software development practices used within the department. He/she will also support the software implementation of new concepts and algorithms.

The candidate should integrate into a very active and multidisciplinary international research group and would collaborate with the Department-IT personnel to coordinate all computer and IT services (*Materials Encyclopedia* and *Big-Data Analytics* tools for materials science and engineering) relevant for the Theory Department.

Your qualification:

We are looking for a highly motivated and dynamical person to work on scientific software development aimed at high performance computing. The ideal candidate should have a university degree (master) in computer science, physics or chemistry and should have large experience in the development and maintenance of first principles codes and the ability to work and collaborate within a diverse team.

Working at MPSD requires the applicant to be fluent in English. Proficiency in German is preferred.

Our offer:

We offer an international and innovative environment, which will give you the opportunity to develop your own ideas at the forefront of ultrafast science.

We offer a position according to the German public pay scale. The appointment is for two years with possibility for extension.

The Max Planck Society is an equal opportunity employer. The goal is to enhance the percentage of women in functions where they are underrepresented. Women, therefore, are especially encouraged to apply.

The Society is committed to employing more handicapped people. Applications of handicapped people are particularly welcome.

Your application:

To apply, please complete the online application form and attach your English CV and motivation letter as well as all relevant certificates latest **31st of August, 2018**.

Detailed information about the Max Planck Institute for the Structure and Dynamics of Matter can be found at <http://www.mpsd.mpg.de>.

We look forward to your application.

