



UNIVERSITY OF HAMBURG

Faculty: MIN
Department: Physics
Seminar/Institute: Institute for Experimental Physics

The university offers a full-time (39 hours/week) position within the framework of the Helmholtz Alliance "Physics at the Terascale"¹ for a

Postdoctoral Research Associate
(wissenschaftliche/r Mitarbeiter/in in einem post-doc-Arbeitsverhältnis)
in Plasma Accelerator Science

with salary group 13 TV-L starting on November 15, 2010.

The short-term, two-year position is available until November 15, 2012² (see also § 2 of the Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz)) with the possibility of extension.

The university intends to increase the number of women amongst its academic personnel and expressly encourages qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to qualified female applicants.

Responsibilities:

A research associate's duties include academic service for the following project.

Area(s) of Responsibility:

The researcher will be part of the newly founded Helmholtz Young Investigator Group for Plasma Accelerator Science situated at DESY in Hamburg.

The field of laser- and particle-beam-driven plasma acceleration is rapidly evolving and offers exciting new possibilities to push particle-accelerator gradients into the 10 to 100 GV/m range — almost three orders of magnitude beyond what conventional accelerator technology can offer today. The successful candidate is supposed to help define the future scope of plasma accelerator science in Hamburg and to significantly contribute in experiment and theory to the development and investigation of plasma accelerators, plasma-accelerated particle beams and their applications. The envisioned science projects will be carried out in close collaboration with various partners around the world.

Requirements:

A doctoral degree in physics or a related field is mandatory. Applicants are expected to have a background in laser-plasma and/or accelerator science.

Preference will be given to disabled applicants with equal qualifications.

Interested candidates are requested to submit their application dossiers (including the application letter, their CV, degree certificates, list of publications, and the names of at least two referees) by email to Dr. Jens Osterhoff (jens.osterhoff@desy.de) no later than October 15, 2010.

For further information please contact Dr. Jens Osterhoff (jens.osterhoff@desy.de) or Prof. Dr. Eckhard Elsen (eckhard.elsen@desy.de).

¹ The Strategic Helmholtz Alliance "Physics at the Terascale" (<http://www.terascale.de>) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German Universities, and the Max-Planck Institute for Physics. Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.

² § 15 Absatz 1 Nummer 4 Buchstabe a HmbBG.