



Professorship (W2) for Experimental Physics Focused on X-ray Spectroscopy with Free-Electron Lasers

Institution: Faculty of Mathematics, Informatics and Natural Sciences

Salary level: W2

Commencement of duties: as soon as possible

Application deadline: 2021-11-11

Photon research is one of the areas of specialization for the Department of Physics at Universität Hamburg and is furthered through the Cluster of Excellence Center for Ultrafast Imaging (CUI): Advanced Imaging of Matter, Collaborative Research Center 925: Light-Induced Dynamics and Control of Correlated Quantum Systems, and two exceptional research centers, the Center for Optical Quantum Technologies (ZOQ) and the Center for Free-Electron Laser Science (CFEL). X-ray physics plays a particularly significant role in these fields. The research campus at Bahrenfeld features very close collaboration between DESY and Universität Hamburg and its institutes, offering an exceptional research environment with an internationally unique combination of the synchrotron radiation source PETRA III; FLASH, the first free-electron laser for soft radiation; and, especially, the European XFEL with its ultrashort X-ray flashes of outstanding spatial coherence and spectral brilliance.

Responsibilities:

We are looking for a person with an excellent international reputation in the field of pulsed radiation to teach and conduct research in the field of experimental physics. The successful candidate has a research focus on X-ray spectroscopy with X-ray free-electron lasers and their application in the research of materials, solid-state physics, nanosciences, and chemistry or life sciences. The successful candidate is further expected to participate actively in the instruction of students at undergraduate and graduate levels. This includes giving lectures, practical courses, and seminars, and supervising final theses for the degree programs offered by the Department of Physics.

The successful candidate is further expected to actively participate in the Cluster of Excellence CUI: Advanced Imaging of Matter.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

Requirements:

Academic qualifications and additional requirements as specified in Section 15 HmbHG.

Additional Criteria:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

Non-German-speaking post holders are expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment.

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

Tips on applying

Contact

Prof. Markus Drescher
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+49 40 8998-2262

Reference number

2359/W2

Application deadline

2021-11-11

Please submit your application with your CV, list of publications, teaching experience, successful external funding record, copies of certification and documents, three representative publications, teaching and research plans, additional evidence of skills and experience, such as presentations, posters, significant roles held in organizations, etc. where available, preferably by email in a single PDF file, to Bewerbungen@uni-hamburg.de or per post to:

An den Präsidenten
Universität Hamburg
Stellenausschreibungen
Mittelweg 177
20148 Hamburg

Due to the coronavirus pandemic, the academic search procedure is set to proceed digitally. More information is available from the chair of the search committee.

More information on [data protection](#) in selection procedures.