



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



PROFESSORSHIP (W2) FOR EXPERIMENTAL PHYSICS WITH A FOCUS ON OPTICAL QUANTUM TECHNOLOGIES

Institution: Faculty of Mathematics, Informatics and Natural Sciences

Salary level: W2

Commencement of duties: or as soon as possible

Application deadline: 2022-04-14

Responsibilities:

The Department of Physics at Universität Hamburg has excellent research and teaching activities and collaborates with several non-university research institutions. Photon and Nanosciences is one of the University's key research areas. The department conducts trend-setting research and teaching in the field of quantum technologies – in collaboration with the existing Center for Optical Quantum Technologies (ZOQ), the research area gravitational-wave detection in the Cluster of Excellence “Quantum Universe”, the broad research in the Cluster of Excellence “Advanced Imaging of Matter” and the Collaborative Research Center “Light Induced Dynamics and Control of Correlated Quantum Systems” (CRC 925). The advertised university professorship is based at the Institute of Laser Physics and the ZOQ, which brings together experimental and theoretical physics from the fields of quantum optics, short-time physics and nanostructure physics.

We are looking for an internationally recognized scholar to teach and conduct research in the field of experimental optical quantum technology. We are particularly interested in a scientist who researches quantum technologies with photonic systems or hybrid systems in which atomic or solid-state quantum systems couple to light. Participation in shaping new collaborative research initiatives, such as follow-up applications from our Clusters of Excellence and the Collaborative Research Center, is expected.

Teaching includes lectures, exercises, internships, seminars and introductory seminars as well as the supervision of theses in the bachelor's and master's degrees offered by the Department of Physics (currently physics, nanosciences, and teaching available also to other STEM degree programs).

In their application, applicants are expected to indicate to which of the University's core research areas, emerging fields, or profile initiatives (<https://www.uni-hamburg.de/en/forschung/forschungsprofil/forschungsschwerpunkte.html>) their research can best be assigned. Duties include working in one or more of the core research areas, emerging fields, or profile initiatives.

The successful candidate is further expected to participate actively in the instruction of students pursuing a teacher training degree in the respective discipline.

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

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Reference number

2376/W2

Application deadline

2022-04-14

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.



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