

With 6,200 employees in research, teaching and administration and its unique profile, TU Dortmund University shapes prospects for the future: the interaction between engineering and natural sciences as well as social and cultural studies drives both technological innovations and progress in knowledge and methodology. It is not only the roughly 34,200 students who benefit from this.

The Helmholtz-Zentrum Berlin für Materialien und Energie (HZB) operates two large facilities for materials research: the neutron source BER II and the synchrotron source BESSY II, which provide deep insights into the structure of materials and the processes within complex systems. Other important focuses of HZB research are thin-film photovoltaics and solar fuels. Each year around 3,000 scientists use the HZB infrastructure facilities.

The Faculty of Physics at TU Dortmund University and the Helmholtz-Zentrum Berlin are jointly seeking to fill the position of a

Professorship (W2) "Experimental Accelerator Physics – Superconducting Radiofrequency Systems"

commencing as soon as possible. Upon appointment as a professor, the successful candidate will be granted leave in order to lead a working group at the HZB (so-called "Jülicher Modell").

We are seeking an outstanding candidate who is an internationally established scientist in experimental accelerator physics with experience in the field of superconducting radiofrequency. The professorship is associated with leading a working group at the institute "SRF Science and Technology" at HZB. This group is predominantly engaged in the development of superconducting continuous-wave radiofrequency systems to generate, accelerate, and to manipulate electron beams for next-generation synchrotron light sources. Important applications are the short-pulse sources bERLinPro and BESSY VSR at HZB, the design of a future light source "BESSY III" as well as the storage ring facility DELTA at the TU Dortmund University.

Applicants are expected to contribute to collaborative research projects within the TU Dortmund University and beyond. Experience in raising third-party funds is desirable.

A contribution to the faculty's curriculum (two hours per week during the semester) is expected.

The successful candidate displays social and leadership skills and is willing to contribute to the academic self-administration in bodies of the HZB and the Helmholtz Association.

A doctor's degree in physics or a closely related field is required. Other hiring requirements are based on § 36 HG of the State of NRW.

TU Dortmund University and HZB strive to increase the number of women in academic research and teaching and therefore strongly encourage women to apply.

TU Dortmund University and HZB support the compatibility of work and family life and promote gender mainstreaming in the scientific community.

Disabled candidates with the appropriate qualifications will be given preference.

Comprehensive applications in English language including the usual documents (CV, list of publications etc.), and also a teaching and research concept, should be sent via e-mail by 20.08.2017 to the Dean of the Faculty of Physics:

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