

We are a young, innovative university located in the heart of the Ruhr metropolis in Germany. We pride ourselves on outstanding research and teaching, think in terms of opportunities rather than limitations and develop ideas with a view to the future. Diversity is an integral part of our culture as we promote potential and are committed to upholding genuine equity in education.

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

The **Faculty of Physics** at the **University of Duisburg-Essen** seeks to fill the following vacancy, which has a starting date of 1 January 2027:

University professorship in

“Experimental physics with a focus on magnetism”

(W3 salary band as defined in the North Rhine-Westphalian regulations for the W salary range (Landesbesoldungsordnung W))

We are looking for an internationally recognised researcher to strengthen and further develop the faculty's profile in the field of experimental physics. The successful candidate's research activities should be in the field of magnetism and primarily serve to investigate magnetocaloric materials, permanent magnets and possibly molecule-based hybrid systems. Their research work should complement the faculty's existing experimental investigations and potentially be linked to the theoretical descriptions it is developing of these magnetic materials. The future post holder will be required to play a central role in the Collaborative Research Centre/Trans-regio 270 “HoMMage: Hysteresis Design of Magnetic Materials for Efficient Energy Conversion”. The willingness to engage in interdisciplinary cooperation within the framework of other existing research programmes such as SFB 1242, SFB/TRR 247 and IRTG 2D-MATURE is expressly welcomed. The existing research infrastructure at UDE, such as CENIDE and ICAN, can also be utilised for this purpose.

We expect applicants to have published papers in leading peer-reviewed venues and have experience in conducting projects for which they have acquired external funding from competitive schemes themselves, preferably projects funded by the German Research Foundation (DFG) or equivalent, as appropriate to the advertised position. A willingness to cooperate with other groups is required. The successful candidate will be expected to initiate future coordinated research projects at UDE.

The successful candidate should represent the field of physics in research and teaching and participate in the teaching activities of the faculty to the usual extent. The University of Duisburg-Essen places particular emphasis on teaching quality. Candidates must outline their didactic approach, also taking the profile of the University of Duisburg-Essen into consideration. Desirable qualifications include leadership skills and diversity competence as well as experience in academic self-governance in line with the applicant's academic career stage and the willingness to make a corresponding commitment to the University.

Criteria for appointment are based on Section 36 of the Higher Education Act of North Rhine-Westphalia (Hochschulgesetz; HG). This act requires candidates to have a university degree and a particular aptitude for research work, as is generally demonstrated by outstanding results in doctoral studies in a relevant field. The successful candidate is also expected to have demonstrated further academic achievements as part of a junior professorship, a habilitation or a role as a research fellow at a higher education institution or at a non-university research institution or through research work in industry, administration or another public sector field in Germany or abroad.

The University of Duisburg-Essen aims to promote the diversity of its members (<https://www.uni-due.de/diversity/en>). It strives to increase the percentage of women among its academic staff and therefore strongly encourages qualified women to apply. The faculty's Equal Opportunities Officer, Dr. Cornelia Geller, is available as a contact person and can be reached by email at gleichstellungsbeauftragte.physik@uni-due.de. If two candidates are equally qualified, women will be given preference as stipulated in the Equal Opportunities Act for North Rhine-Westphalia (Landesgleichstellungsgesetz; LGG NRW). Applications from qualified candidates with disabilities or equivalent status as defined in Section 2 (3) of the German Social Code, Book IX (Sozialgesetzbuch; SGB IX) are encouraged.

Applications should include the usual documents (curriculum vitae with information on both your academic and professional experience, a list of academic publications, copies of certificates, a description of your research profile and the resulting perspectives for the University of Duisburg-Essen, a teaching and learning concept that takes the University of Duisburg-Essen's profile into account, information on your previous teaching activities, participation in academic self-governance and third-party funds raised) and a completed application form. Please submit your application to the address below by **11 September 2025**:

Dekan der Fakultät für Physik der Universität Duisburg-Essen, Herrn Univ.-Prof. Dr. Gerhard Wurm, Forsthausweg 2, 47057 Duisburg, Germany, dekanat.physik@uni-due.de.

The application form and further information on the position and its affiliations within the University of Duisburg-Essen and the Faculty of Physics can be found at https://www.uni-due.de/physik/dekanat/stellenausschreibungen_en.php.