

Offen im Denken

We are one of the youngest universities in Germany and think in terms of unlimited possibilities instead of possible limitations. Located in the heart of the Ruhr metropolis, our 11 faculties develop ideas with a future. We are strong on research and teaching, we embrace diversity, promote academic potential, and we fight for genuine educational equality.

DLR is the Research Centre for Aerospace and the Space Agency of the Federal Republic of Germany. Around 9,000 employees work together on a unique variety of topics in aviation, space travel, energy, transport, security and digitization. Their missions range from basic research to the development of tomorrow's innovative applications and products.

The University of Duisburg-Essen in a joint appointment with the German Aerospace Center (DLR), Cologne are in search of eligible candidates for the following Junior Professorship at the Faculty of Engineering:

Junior Professor in "Functional Materials and Joining Technologies for Thermoelectric Generators" (Salary Class Group W1 LBesO W – without Tenure Track)

The call is directed at candidates who are working as young group leaders in a research centre of the Helmholtz Association of German Research Centres (Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V.) or who are striving to do so. The professorship is also a group leader position at the German Aerospace Center (DLR), Institute of Materials Research, Cologne. The University of Duisburg-Essen and DLR want to expand their scientific and personnel connections.

The Faculty of Engineering is looking for an internationally renowned personality who will establish within his delegation to the DLR a research program in the field of thermoelectrical material development and technology with a high application relevance, preferably in one or more of the following areas:

- Development of thermoelectric functional materials with high efficiency and good long-term functional stability, preferably based on lightweight and harmless elements
- Development of joining techniques for such materials in thermoelectric generator modules with low electrical and thermal resistance and high temperature resilience
- Simulation of charge and heat transport in thermoelectric materials and components.

In teaching, the job holder is expected to offer courses in the field of thermoelectric materials, technologies and components in the total scope of 4 SWS in the master's program of the faculty.

Publications in the field are expected in peer-reviewed journals, especially in leading international journals.

Experience in the procurement of competitive third-party funding, involvement in international research as well as relevant international experience are desired. Furthermore, experience in leadership in science is beneficial.

The University of Duisburg-Essen places great emphasis on excellence in teaching. Candidates must present their teaching methodology, showing its relevance to the research profile of the University of Duisburg-Essen.

Applicants must show aptitude for participation in academic self-administration.

The hiring requirements comply with § 36 of the Higher Education Act of North Rhine-Westphalia (HG).

Teaching requirements currently are four hours of teaching. Employment is contingent on the presentation of the corresponding requirements for temporary civil service. The duration of employment complies with § 39 Sect. 5 HG.

The University of Duisburg-Essen and DLR promote the diversity of their members (<https://www.uni-due.de/diversity>). They strive to increase the percentage of women in the academic staff and therefore emphatically invite qualified women to apply. In the case of equal qualifications, female candidates will be considered with preference (Equal Opportunities Act). As per § 2 Sect. 3 SGB IX, applications by candidates with a disability or equivalent status are especially welcome.

Applications with the usual documents (CV, list of publications, documentation of academic and professional development, copies of relevant documents and certificates, an exposé of the applicant's research profile with reference to its relevance for the University of Duisburg-Essen, a list of successful external grant applications, a list of courses taught and a teaching philosophy, an enumeration of experience in academic self-administration) should be sent (**deadline 06/02/2020**) to the Dean of the Faculty of Engineering:

Dean of the Faculty of Engineering of the University of Duisburg-Essen
Univ.-Prof. Dr.-Ing. Dieter Schramm
Forsthausweg 2
47057 Duisburg
Germany
(dekanat@iw.uni-due.de)

Further information on the University of Duisburg-Essen and the Faculty of Engineering can be found under <https://www.uni-due.de/iw/en/index.php> and https://www.uni-due.de/cenide/index_en.php

If you have any questions regarding this call, please contact Prof. Dr. Roland Schmechel (roland.schmechel@uni-due.de)
<http://www.uni-due.de/nst/>