

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, embrace diversity, promote academic potential and commit ourselves to educational equality.

The Faculty of Engineering at the University of Duisburg-Essen intends to fill the following professorial chair as soon as possible:

University Professor in Structural Dynamics

(Salary Scale W 2 LBesO W)

The Faculty of Engineering Sciences with its four departments of Civil Engineering, Electrical Engineering and Information Technology, Computer Science and Applied Cognitive Sciences, and Mechanical and Process Engineering conducts basic and applied research at a high, internationally recognized level. With approx. 80 chairs and over 10,000 students, the faculty is one of the largest in Germany.

Applicants for this position must have an excellent international scientific record both in fundamental and applied (industrial) research as well as excellent didactic skills, and must be able to represent the field of structural dynamics both on the theoretical and experimental level.

Topics of particular interest in research are fluid-structure interactions, hydro- and aeroelasticity, coupled multibody and FEM problems, nonlinear vibrations, and dynamics of complex materials, with applications in ship systems, turbomachinery, civil engineering, energy harvesting and/or wind turbines, up to neuromuscular systems. Of particular emphasis is here the internationality of research.

The teaching responsibilities include on the one hand the basic courses "Mechanics" (in English) within the international studies in engineering (ISE) of the Faculty as well as "Strukturdynamik" (in German) of the Department of Mechanical and Process Engineering, and on the other hand specialized lectures on applied structural dynamics such as rotor dynamics, FEM of large structures, modelling of large welded structures, or fluid-structure interaction. The Faculty is also open for new directions in the area of structural dynamics.

Current publications in peer-reviewed international journals as well as experiences in the acquisition of competitive third-party funding projects, ideally in the area of publicly funded agencies such as the German Research Foundation are expected.

The University of Duisburg-Essen highlights the quality of its teaching. Please conceptualize your didactic teaching vision, also with regard to the special profile of the University of Duisburg-Essen.

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

The University of Duisburg-Essen aims to increase the diversity of its members and considers their competences in relation to, e.g., their age or origin (s. <http://www.uni-due.de/diversity>). It aims to increase the number of women on its academic staff and therefore emphatically encourages women with pertinent qualifications to apply. Women with equal qualifications will be preferred in accordance with state equality laws. Applications of qualified disabled persons in the legal sense of § 2 para. 3 SGB IX are also welcome.

Applications with the usual documents (CV, list of publications, documentation of academic and professional development, copies of relevant certificates, an exposé of the applicant's research profile with reference to its relevance for the University of Duisburg-Essen, lists of successful external grant applications, experience in academic administration and courses taught, plus a teaching concept) should be sent no later than **October 14th, 2019** to the **Dean of the Faculty of Engineering of the University of Duisburg-Essen, Herrn Univ.-Prof. Dr.-Ing. Dieter Schramm, Forsthausweg 2, 47057 Duisburg, Germany.**

For further information on this position, the University of Duisburg-Essen and the Faculty of Engineering can be found at <https://www.uni-due.de/iw/de/stellen.shtml>