



The Department of Electrical Engineering and Information Technology at TU Dortmund University is offering the following position (starting at the earliest possible date):

Professorship (W2) Open Topic: Robotic Systems in the Context of Demographic Change

Our profile

TU Dortmund University comprises 17 departments in the natural and engineering sciences as well as the humanities and social sciences and is a dynamic university with a strong profile in research, teaching, promotion of young scientists and transfer.

The Department of Electrical Engineering and Information Technology conducts research in interdisciplinary cooperation with partners from science and industry on holistic methods for the resource-efficient and sustainable design of networked, reliable technical systems in hardware and software. It thus strives to make constructive and concrete contributions to addressing social challenges in the areas of “sustainable energy supply”, “resilient infrastructures” and “demographic change”. The department is already recognized for its research activities in robotic systems (e.g. for automated driving) and seeks to complement these areas with the appointment of the advertised professorship.

Profile of the professorship

You represent innovative sub-areas of the research field “Robotic Systems in the Context of Demographic Change” and further develop this visibly at a top international level. In doing so, you show your willingness to participate in and initiate research networks and collaborations within and outside TU Dortmund University and are committed to promoting early career researchers. You will participate appropriately in the teaching activities in the Bachelor's and Master's degree programs of the department, particularly in the field of “Robotics and Automotive”.

Your qualifications

You will have obtained a doctorate with very good success and have acquired a post-doctoral lecture qualification (Habilitation) or an equivalent qualification. You will have an electrical engineering or comparable profile with a focus on robotic systems. Your research comprises innovative sub-areas in the aforementioned research field and is complementary to the existing research activities of the department. You will have demonstrated your research excellence through international publications in peer-reviewed journals and at scientific conferences, especially in recent years. In addition, you have been successful in acquiring self-designed and self-managed research and development projects, such as competitively awarded third-party funded projects or industrial collaborative projects with technology transfer. Any care and nursing expenses will be taken into account appropriately. Additionally, you will have the potential for teaching excellence. Social and leadership skills and the willingness to participate in academic self-administration will complete your profile. Moreover, the recruitment requirements in Sections 36 and 37 of the North Rhine-Westphalia Higher Education Act (*Gesetz über die Hochschulen des Landes Nordrhein-Westfalen, HG*) apply. Experience in industrial research or in corresponding collaborations for the technological implementation of research results with industry is desirable. Likewise, granted patents and patent applications, continuity in publishing activities, national and international research contacts and cooperations as well as participation in national and international expert committees are an advantage.

Attractive environment

We offer an excellent academic environment and attractive cooperation opportunities with renowned international, national, and regional partners. The metropolitan Ruhr Area with the University Alliance Ruhr (UA Ruhr) guarantees short distances to a diversity of partners from science and industry. With our Dual Career Service, we support your partner in finding professional opportunities in the region, if desired. We will be happy to provide information about housing and living in Dortmund and help you find childcare options. If you are coming to us from abroad, our Welcome Service will support you upon your arrival in Germany.

Diversity welcome

A central goal of TU Dortmund University is to promote diversity and equal opportunities. We strive to significantly increase the percentage of women in research and teaching and therefore welcome applications from female academics. We give preference to severely disabled applicants if their qualifications meet the requirements. We support the compatibility of family and career and promote gender equality in academia and research.

Your application

If you are interested in the position, please submit your application (including research and teaching concept) by **06.02.2025** via our application portal. Your research concept should describe and classify the proposed, concrete research orientation in interaction with the existing research activities of the department.

Details on the application process and the preparation of application documents can be found here:

berufung.tu-dortmund.de/en/application

Questions will be answered by the Dean of the Department of Electrical Engineering and Information Technology,
Professor Dr.-Ing. Frank Jenau,
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Further information about the Department of Electrical Engineering and Information Technology can be found at etit.tu-dortmund.de/en

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