

With 6,500 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 33,400 students who benefit from this.

The Department of Electrical Engineering and Information Technology at TU Dortmund University is seeking to fill the position of a

Professor (W3) in “Communications Engineering”

commencing as soon as possible. The successful candidate will specialize in research and teaching in the field of “Communications Engineering”.

TU Dortmund University is seeking an outstanding individual and well-established researcher in the field of Communications Engineering with relevant international peer-reviewed publications in recognized venues and at major scientific conferences in several of the following research areas:

- Digital Communications (Physical Layer)
- Signal processing and multi-user information theory
- Channel/source coding
- Machine learning methods in communications engineering
- Wireless communication
- Secure communication (Physical Layer Security)
- Quantum communication

Applicants should complement the research activities of the Department and contribute to interdisciplinary collaborative research projects within and outside TU Dortmund University.

They must have experience in acquiring and conducting research projects (e.g., externally funded projects) that they have devised and conducted themselves. Experience in the industrial environment is desirable.

Candidates are expected to teach their courses within the department’s curriculum in English and, in the medium term, also in German, especially the compulsory course on “Communications Engineering”.

The successful candidate will possess social and leadership skills and be willing to be involved in academic self-governance.

Preconditions for employment are specified in § 36 and § 37 Hochschulgesetz NRW (law governing universities in NRW).

TU Dortmund University strives to increase the number of women in academic research and teaching and therefore explicitly encourages women to apply.

TU Dortmund University is an equal opportunity employer and gives preference to candidates with disabilities if equally qualified.

TU Dortmund University supports the compatibility of work and family life and promotes gender equality in science.

Please send your application, including the usual documents (CV, certificates, list of publications, list of self-conceived and -managed research projects (e.g. third-party funded projects), research and teaching concept, etc.), by e-mail (preferred, in one pdf-file) to the following address by 03.11.2021

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