



Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

The Institute of Electrical Engineering and Information Technology of the **Faculty of Computer Science, Electrical Engineering and Mathematics** invites applications for a

W3 – University Professorship (f/m/d) for Communications Engineering

to be filled as soon as possible. We are looking for an outstandingly qualified person with a proven scientific track record and relevant peer-reviewed publications, who can comprehensively represent the field of communications engineering in research and teaching. Exemplary research topics are:

- Signal processing and machine learning methods for wired, wireless and optical communication with a focus on the physical layer, e.g. modulation, synchronization, equalization, error correction
- Radio-based and optical sensor systems (radar, lidar)
- Radio-based positioning and navigation methods

Experience in a relevant management position is desired, whereby professional experience in industry and successful acquisition of third-party funded projects are advantageous. An important criterion is a good fit with existing and future research activities at Paderborn University, particularly in its profile areas.

In addition, the ability and willingness to offer courses in German and English for the Bachelor's and Master's degree programs of the Institute of Electrical Engineering and Information Technology and to participate in academic self-administration are required.

Hiring requirements: § 36 Abs. 1 Ziff. 1 – 4 HG NRW – University law of the State of NRW (completed university degree, pedagogical aptitude, PhD degree and additional research achievements).

Since Paderborn University seeks to increase the number of female professors, applications of woman are especially welcome. In case of equal qualification and scientific achievements, they will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Policy (LGG), unless there are cogent reasons to give preference to another applicant. Likewise, applications of disabled people with appropriate qualification are explicitly requested. This also applies to people with equal status according to the German social law SGB IX.

Paderborn University is certified as a family-friendly university. With our Dual Career Service, we support your partner with career orientation in the region if required. We will be happy to provide you with information about living and working in Paderborn and help you to find childcare options. If you are coming to us from abroad, our Welcome Services will support you on your arrival in Germany.

Applications with the usual material, including a research plan and teaching statement, must be received by **17th of November 2024 (Ref. No. 6492)** electronically via the job portal of the Paderborn University: <https://bewerbung.uni-paderborn.de/stellen/6492>. Please direct inquiries to Prof. Dr. Peter Schreier (peter.schreier@uni-paderborn.de).

We look forward to receiving your application!

Information regarding the processing of your person data can be located at:
www.uni-paderborn.de/zv/personaldatenschutz.

Prof. Dr. Jens Förstner
Head of the Institute of Electrical Engineering and Information Technology
Faculty of Computer Science, Electrical Engineering and Mathematics
Paderborn University
Warburger Str. 100, 33098 Paderborn

