Paderborn University is a high-performance and internationally oriented university with approximately 18,000 students. 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 about 2,600 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The Department of Electrical Engineering and Information Technology within the Faculty of Computer Science, Electrical Engineering and Mathematics is seeking to fill the following full-time position:

**W2 – University Professor (f/m/d) of “Modeling and Design of Photonic Quantum Systems”**

(5-year contract)

We are looking for a candidate who is an internationally recognized expert in one or several current research areas in the domain of modeling and design of integrated photonic systems, in particular

- modeling of heterogeneous systems with integrated photonic, analogue, and digital devices and components,
- analysis, modeling and simulation of systems with photonic quantum circuits from the device to higher levels,
- design and design methodology for complex photonic quantum systems.

The candidate should be able to contribute substantially to teaching in this field. Industrial and international experience as well as success with grant funding are advantageous. A later extension to tenure is possible. The position is partially funded by the Heinz Nixdorf Foundation. Becoming a member of the Heinz Nixdorf Institute is possible for candidates with matching research focus.

We expect the candidate to be willing to collaborate with colleagues in electrical engineering, physics, and related areas. In particular, cooperation with the “Institute for Photonic Quantum Systems” (PhoQS), the “Center for Optoelectronics and Photonics” (CeOPP), as well as the Fraunhofer ENAS is envisaged. Furthermore, the candidate is expected to offer courses in our English language degree programs. It is also expected that, after a reasonable transition period, the candidate will be able to offer courses in German.

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

The University of Paderborn is seeking to increase the percentage of women among its academic staff and therefore strongly encourages applications from qualified female scientists. In case of equal qualifications and achievements, women will be given preferential consideration according to state law (LGG). Furthermore, applications from qualified handicapped persons are also encouraged.

Further information on this position can be obtained by contacting the Chair of the Search Committee, Prof. Sybille Hellebrand (Mail: sybille.hellebrand@uni-paderborn.de).

Applications must be received by **September 18th 2023** ([Ref. No. 5809](https://bewerbung.uni-paderborn.de/stellen/5809)) via the application portal of the University of Paderborn:

https://bewerbung.uni-paderborn.de/stellen/5809.

Information regarding the processing of your person data: [https://www.uni-paderborn.de/zv/personaldatenschutz](https://www.uni-paderborn.de/zv/personaldatenschutz).