Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,300 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!

In the Faculty of Science, the Department of Physics is seeking applications for the following position:

W 3 University Professorship (m/f/d)
of Experimental Physics
(successor to Prof. Dr. A. Zrenner)

The candidate is expected to teach courses across the whole of the experimental physics curriculum. This consists of core lectures in Experimental Physics as well as offering attractive elective and specialist lectures in all courses of study covered by the Department of Physics, e.g. the Master in Optoelectronics and Photonics. Teaching in the Department is undertaken in English as well as German, and it is expected that the candidate will be able to teach in both languages, if necessary after a transition period. German language courses are available to facilitate this if required.

The candidate is expected to pursue an excellent, internationally recognised research programme in condensed matter physics, specifically in the field of optical spectroscopy of semiconductors. Candidates with expertise in semiconductor nanostructures, with a focus on modern topics from the field of optoelectronics and photonics, are particularly encouraged. Possible topics include coherent control of semiconductor quantum dots, semiconductor-based quantum technologies, light-matter interactions in photonic semiconductor structures and/or spectroscopy/microscopy of new materials, e.g. 2-D materials.

As well as pursuing his or her own research agenda, it is expected that the candidate will actively engage with the overall research strategy of the Department of Physics. This includes the Transregional Collaborative Research Center SFB-TRR 142: “Tailored Nonlinear Photonics: from fundamental concepts to functional structures” as well as the “Center for Optoelectronics and Photonics Paderborn” (CeOPP). As part of this, a comprehensive clean-room facility with excellent specifications is available. In addition, the Department operates its own helium liquefier to provide an excellent infrastructure for low-temperature experiments. Furthermore, it is expected that the research group will be fully embedded within the newly-founded Institute for Photonic Quantum Systems (PhoQS).

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).

Since Paderborn University seeks to increase the number of female professors, applications of women 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.

Applications with the usual documents, including a research and teaching plan, must be received by 21.06.2019 (Ref. No. 3798). Please send your application (preferably in a single pdf file by e-mail to dekan-nw@upb.de) to:

Dean of the Faculty of Science
Prof. Dr. Wolf Gero Schmidt
Paderborn University
Warburger Str. 100
33098 Paderborn

www.upb.de