



The University of Paderborn 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!

The Zentgraf lab at the Department of Physics (Faculty of Science) invites applications for the position of a

Research/PhD-student in Nanophotonics

(Salary level 13 TV-L)

starting at the earliest possible date. The position (75 % of regular working time) entails a fixed term contract for the duration of the PhD project in the field of Nanophotonics and is initially limited to 3 years, depending on the previous qualification (according to the German law "Wissenschaftszeitvertragsgesetz").

Position Profile:

The Research/PhD-student is expected to focus in his/her research project on the optical characterization of nanostructured materials, the design of optical metasurfaces for applications in quantum optics and holography, and the modelling of nano-optical systems. The position is within a collaborative research project funded by the Deutsche Forschungsgemeinschaft (DFG) and the National Science Foundation China (NSFC). A participation in teaching lab courses is expected.

Your Profile:

- Completed university degree in physics (M.Sc. or comparable)
- Experience in experimental physics (optics or solid-state physics)
- Experience in laser physics and nanofabrication techniques
- Theoretical knowledge of modelling and simulation of physical systems
- Knowledge of data analysis and programming
- Highly motivated and creative with good communication skills in English

The University of Paderborn is making efforts to increase the proportion of women in the SFB TRR 142 and therefore encourages qualified women in particular to apply. Female applicants with equal qualifications, skills, and achievements in the field will be given preferential consideration. We make personnel decisions based on qualifications, skills and academic achievements. Severely disabled applicants and disabled applicants considered as such have priority over applicants with equal qualifications, skills and achievements in the field who are not legally entitled to preferential consideration. The University of Paderborn was awarded the certificate „TOTAL E-QUALITY“ for its exemplary university and personnel policy oriented towards equal opportunities for women and men as well as the certificate „audit family-friendly university“ for the successful improvement of the compatibility of study, career and family.

The closing date for applications is **28.02.2019**. All application materials, comprising CV, certificates, and a short statement of research experience and interests should be submitted with **Reference No. 3668** in electronic form (as a **single PDF document**) to:

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