The University of Paderborn is a high-performance and internationally orientated 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 working 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 full position of a

**Postdoc in Nanophotonics**
(Salary level 13 TV-L)

The position is a qualification position with the goal to acquire additional scientific knowledge and experience with respect to project management and internationalization in science, since this period is considered appropriate to promote the qualification objective.

Applicants should hold a PhD, have a strong publication record, and a solid background in optics and nanophotonics. We are looking for a highly motivated and creative individual who enjoys working in an excellent research environment including adequate funding for equipment and conference travel. The successful candidate will have no mandatory teaching or administrative duties. He or she should be motivated to take an active role in the further development of new research directions of the group. Good communication skills and fluency in English are required. Demonstrated skills in at least one of the fields of topological materials, metamaterials, 2D material systems or quantum optics is required. Experiences in the design, fabrication and characterization of optical materials are desirable.

Conditions of employment: The post-doctoral position is provided for two years with very competitive salary. The starting dates are flexible. The postdoctoral researcher is expected to focus in his/her research on the linear and nonlinear characterization of optical material properties, the design of metasurfaces for applications in quantum optics, and the modelling of nano-optical systems. A participation in acquiring third-party funding as well as the supervision of PhD students is expected.

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 **31.10.2018**. All application materials, comprising CV, certificates, a statement of research experience and interests and publication list should be submitted with Reference No. 3541 in electronic form (as a single PDF document) to

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