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 Faculty of Science, Department of Physics, Mesoscopic Quantum Optics Group, offers the positions of

**Researcher/PhD student**
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starting at the earliest opportunity. The position (75 % of regular working time) entails a fixed term contract for the duration of the PhD project in the field of Integrated Superconducting Optoelectronics for Quantum Communication and is initially limited to 3 years, depending on the previous qualification (according to the German law “Wissenschaftszeitvertragsgesetz”).

**Position Profile:**
- Development of non-linear waveguide structures combined with superconducting detectors and electronics for tasks in quantum communication and technology
- Regular teaching responsibility: 3 hours per week

**Your Profile:**
- Masters degree in physics
- Experience in at least one of the following fields: quantum optics, integrated optics, superconducting electronics and/or nanoscale fabrication

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply.

Please send your application by 07.12.2018 with reference 3606 to:

Jun.-Prof. Dr. Tim Bartley
Paderborn University
Faculty of Science
Department of Physics
Warburger Straße 100
D-33098 Paderborn

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