



**Integrated photonics is key to achieving stable quantum operations and to scaling up photonic quantum technologies.**

**We are looking for a PhD student or postdoc to join us building integrated photonic circuits for quantum communication and space applications.**

**You will:**

- Design integrated photonic circuits for quantum communication in space settings
- Design and test integrated photonic components with a focus on adverse conditions
- Develop advanced fibre-chip coupling technology
- Work within the DFG Collaborative Research Center 1667 "Advancing Technologies of Very Low Altitude Satellites" (ATLAS)
- Contribute to project meetings, workshops, and conferences
- Build your foundation for future-oriented jobs in research and photonic industries

**You have:**

- Interest in collaborative and interdisciplinary research
- PhD in Physics, or related
- Ideally: Experience in experimental quantum optics and (photonic) quantum technologies
- Ideally: Background in integrated photonics and experience in designing and testing photonic circuits
- Programming skills (Python, Mathematica, Matlab, ...)

**Send us your application with:**

- Short statement of research interests (max. 1 page)
- CV
- Certificates or transcript of records
- Contact details of three referees

This position is fixed term and available until filled.

For more information, please contact Prof. Dr. Stefanie Barz: [barz@fmq.uni-stuttgart.de](mailto:barz@fmq.uni-stuttgart.de), [www.barzgroup.de](http://www.barzgroup.de)

PhD/Postdoc position:

Integrated photonics for  
quantum communication  
and space applications

[www.barzgroup.de](http://www.barzgroup.de)

