



We are inviting applications for a PhD position at the University of Stuttgart.

The successful candidate will research and implement concepts for overcoming photon loss in quantum communication by using concepts from quantum error correction.

The PhD project will involve experimental work such as building quantum-optical setups and implementing concepts for transmitting quantum communication – and also requires some theory background.

We are looking for excellent PhD students with:

- background in experimental quantum information processing and/or experience in quantum photonics
- general programming skills (Matlab, Mathematica, Python,...)
- MSc in physics, or photonic engineering

Duties and responsibilities:

- Perform independent and original research
- Publish to refereed journals
- Co-supervise MSc students
- Contribute to project meetings and workshops

Further information:

- This position is full time, fixed term for 36 months
- The position is available from 1st April 2021 or as close as possible by negotiation
- For more information, please contact Prof. Dr. Stefanie Barz: barz@fmq.uni-stuttgart.de, www.barzgroup.de

**PhD position
in
Quantum Networks**

www.barzgroup.de