



University of Stuttgart

Barz group

Institute of Functional Matter and Quantum Technologies

We are inviting PhD students to apply for open positions in the Barz group:

You are interested in:

- Integrated quantum optics and quantum information processing
- International collaborations
- Interdisciplinary research at the intersection of physics, engineering, computer science, mathematics

We are looking for:

- Excellent and highly motivated PhD students with a background in physics
- Ideally experience in experimental (quantum) optics and quantum information processing
- Programming skills (Matlab, Mathematica, Python, ...)
- MSc (or equivalent) in physics

Position 1: Integrated photonic quantum technology at telecoms wavelength
Development of integrated photon sources and integrated silicon circuits

Position 2: Quantum Information processing in telecom fibre network
Development and implementation of protocols for transmission of quantum information in real-life fibre networks

Position 3: On chip quantum information processing and quantum networks

Development and implementation of concepts for networked quantum information processing

**PhD positions
in
Integrated Quantum
Optics and
Quantum Information**

www.barzgroup.de

For more information,
please contact

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