University of Stuttgart

Barz Group
Quantum Information & Technology

The generation of identical single photons on an integrated device is key for exploiting the full potential of future integrated quantum processors.

We are looking for a postdoc to lead our endeavour to building deterministic single-photon sources for photonic quantum computing.

Postdoc position:

Deterministic single-photon sources

www.barzgroup.de

You will:

- Set up a state-of-the-art setup for the deterministic generation of single photons from quantum dots

- Build a photonic quantum processor with deterministically generated photons

- Contribute to project meetings, workshops, and conferences

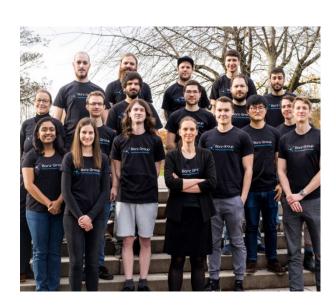- Build your foundation for future-oriented jobs in research and photonic industries

You have:

- Interest in collaborative and interdisciplinary research
- PhD in Physics, or related
- Experience in experimental quantum optics and (photonic) quantum technologies
- Programming skills (Python, Mathematica, Matlab, …)
- Ideally: Experience with single-photon sources based on quantum dots

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, www.barzgroup.de