FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

Postdoc and PhD Positions in the Theory of Superconducting Circuits at FAU Erlangen-Nürnberg.

The Quantum Technology and Quantum Dynamics Theory group at FAU Erlangen-Nürnberg, lead by Professor **Michael J. Hartmann** invites applications for postdoc and PhD positions in the theory and modeling of superconducting quantum hardware.The positions will be part of the newly funded project GeQCoS (‚German Quantum Computer based on Superconducting Qubits') that will build a superconducting quantum computer in Germany. For more information, see https://www.quantentechnologien.de/forschung/foerderung/quantenprozessoren-und-technologien-fuer-quantencomputer/geqcos.html, https://www.fau.de/2021/01/news/wissenschaft/mit-supraleitenden-qubits-auf-dem-weg-zum-quantencomputer/.

You will be working in close collaboration with the project partners, in particular the teams building the devices at WMI in Garching, KIT in Karlsruhe, Forschungszentrum Jülich and Fraunhofer IAF Freiburg, where you will contribute to the project with designs for novel improved circuit elements and numerical modeling of hardware components and moderate size qubit grids.

To apply, please send your cv, possibly a list of publications and a one page research statement to michael.j.hartmann@fau.de. Please also arrange for letters of recommendation to be submitted independently from two scientists familiar with your work.

Applications and supporting material should be sent to michael.j.hartmann@fau.de by February 28, 2021. Later applications by exceptionally strong candidates may also be considered.

Further information on our research and activities can be found at:
https://www.quantumtheory.nat.fau.eu

In its pursuit of academic excellence, FAU is committed to equality of opportunity and to a proactive and inclusive approach, which supports and encourages all under-represented groups, promotes an inclusive culture and values diversity.