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The Institute for Complex Quantum Systems at Ulm University (Prof. J. Ankerhold) is looking to fill

## **a Postdoc Position in Quantum Computation (theory).**

The positions will be offered for 24 months with a possible extension for another 24 months. The project is part of the SiQuRe consortium within the Competence Center Quantum Computing BW funded by the Ministry of Economy of Baden-Württemberg ([www.iaf.fraunhofer.de/en/networkers/KQC.html](http://www.iaf.fraunhofer.de/en/networkers/KQC.html)). Its main goal is to develop a quantitative understanding of arrays of atomic defects in crystals (NV-centers in diamond) with a focus on their suitability for quantum computation and quantum registers. The successful applicant will work at the intersection of solid-state physics, dynamics of complex/open quantum systems and real-world quantum computation, using the IBM Q system recently put into operation near Stuttgart.

We are looking for highly motivated candidates with experience in numerical simulations and strong working knowledge in quantum mechanics.

[Ulm University](http://www.uni-ulm.de) is a founding member of the Center for Integrated Quantum Science & Technology IQ<sup>ST</sup> (together with U Stuttgart and the Max-Planck-Institute for Solid State Research), an internationally competitive research environment for both theoretical and experimental quantum science with strong ties across disciplines.

We support an open research culture, where original thinking and academic merit are encouraged and nurtured, and encourage applications from all nationalities, backgrounds, and genders.

Interested candidates are asked to send a CV (including a list of publications) and a transcript of academic records to [joachim.ankerhold@uni-ulm.de](mailto:joachim.ankerhold@uni-ulm.de), and arrange for two letters of recommendation to be sent to the same address. Disabled persons will be preferred in case of equal qualifications. Ulm University Ulm seeks to raise the number of women in research and therefore urges qualified women to apply.

Application deadline is March 1, 2021.