Job announcement

At the Walther-Meissner-Institute (WMI) located at the Campus Garching near Munich in Germany we are seeking a

**Nanofabrication Scientist/Engineer (100%).**

We are looking for a highly motivated candidate who is eager to take on responsibility in the fabrication of superconducting thin film devices to strengthen our efforts in the direction of quantum information processing ([https://www.wmi.badw.de/filipp/](https://www.wmi.badw.de/filipp/)). You will work within a growing team embedded in the diverse research activities at the WMI ([https://www.wmi.badw.de/](https://www.wmi.badw.de/)) and the close-by TU Munich ([https://www.tum.de/](https://www.tum.de/)). The WMI is a research institute of the Bavarian Academy of Science and Humanities conducting fundamental and applied research in the field of low temperature physics with special focus on superconductivity, magnetism, quantum phenomena, and quantum information processing with superconducting quantum circuits. In quantum science, WMI plays a key role in the broad and highly visible Munich research efforts on quantum science such as the quantum technology network of the Munich Center for Quantum Science and Technology (MCQST - [https://www.mcqst.de/](https://www.mcqst.de/)).

You should have proven expertise in micro- and nanofabrication. Specifically, you should fulfill the following requirements:

- Educational background in the fields of physics, engineering or material science and a strong background in nanofabrication and thin-film deposition of (superconducting) thin films.
- Several years of work experience and expert skills for micro- and nanofabrication in a cleanroom environment.
- Proficiency in mask design, e-beam lithography and characterization tools.

In addition,

- You are able to carry out independent work and assume responsibility within a larger team.
- You are willing to train, guide, and to advise students working in our cleanroom facility. Moreover, you will oversee and maintain the cleanroom facility and fabrication tools.
- You have a systematic and precise approach combined with curiosity and eagerness to develop new processes and fabrication recipes.
- You are able to correlate data from inspection tools and measurements to improve and trouble shoot fabrication processes.
- You have good communication and English language skills.
Diversity

We are determined to build an inclusive culture that encourages and values the diverse voices of all members of the research team embracing the full diversity of gender identities, cultures and ideologies to do finest research. Disabled candidates with equal qualification and aptitude will be given preferential consideration according to the SGB IX.

How to apply

If you are the right person for this opportunity, we are happy to receive your application documents sent to sekretariat@wmi.badw.de, for further information please contact Mrs Carola Siegmayer (+49 (0) 89 289-14216). Please send your application documents including your CV and a brief cover letter explaining your motivation and other relevant expertise that you can bring in in a single PDF file until July 19, 2020. This permanent position is available immediately with a salary based on the federal wage agreement (TV-L) according to the qualification of the applicant (up to EG 13).

Data Protection Information

When you apply for a position with the Bavarian Academy of Sciences and Humanities (BAdW), you are submitting personal information. Please take note of the data protection information on collecting and processing personal data contained in your application in accordance with Art. 13 of the General Data Protection Regulation (GDPR). By submitting your application, you confirm that you have acknowledged the above data protection information of the BAdW. More information can be found at http://badw.de/die-akademie/service-und-jobs.html#c3843.