**Public job advertisement**

45,000 students and 8,000 employees in teaching, research and administration, all working together to shape perspectives for the future – that is the University of Münster (WWU). Embedded in the vibrant atmosphere of Münster with its high standard of living, the University's diverse research profile and attractive study programmes draw students and researchers throughout Germany and from around the world.

The Hybrid Quantum- and Nanosystems Group at the Institute of Physics of the Faculty of Physics at the University of Münster (WWU), Germany, is seeking to fill the position of a

# Doctoral Research Associate

*Wissenschaftliche*r Mitarbeiter*in*

**(salary level TV-L E 13)**

for the externally funded German-Austrian project "Programmable Integrated Magneto-Phononic Circuits" at the earliest possible. We are offering a fixed-term part-time position (75%) for 3 years funded by Deutsche Forschungsgemeinschaft (DFG, German Research Foundation).

**Your tasks:**

- *Design and fabrication of integrated magneto-phononic circuits and development of cleanroom processes for the fabrication of these devices*
- *Experimental investigations of the fabricated devices and samples using cutting-edge high-resolution radio frequency spectroscopy and vector network analysis.*
- *Analysis and modelling of data*
- *Proactive coordination with project partners in Germany and Austria*
- *Preparation of project reports*
- *Dissemination of project results in scientific publications and contributions to workshops and conferences*

**Our expectations:**

- *A graduate degree (Master or Diplom) in Physics or a closely related program passed with "Good" or better.*
- *Profound knowledge in solid-state physics (expected) and inparticular magnetism (desirable)*
- *Profound knowledge of nanomechanics and the design of nanomechanical and phononic devices is desirable*
- *Experience in cutting-edge cleanroom nanofabrication, for example electron beam lithography (EBL) or reactive ion etching (RIE) is desirable*
- *Proficiency in English*
- *Proficiency in German is desirable*
- *Self-motivated, independent, structured and team-oriented work style, strong technical leaning*

**Advantages for you: (optionaler Baustein)**

- Appreciation, commitment, openness and respect – values which are important to us.
- Our broad range of diverse work-time models offers great flexibility – also when working from home.
- If you have family members or young children in your care, our Family Service Office offers concrete support to help you balance your private and professional responsibilities.

- As an educational institution, we are deeply committed to offering occupational training and continuing education opportunities tailored to your individual needs.
- From A – Z, Aikido to Zumba, our sport and health programmes ensure a healthy work-life balance.
- As a university employee, you are entitled to numerous benefits afforded to public servants, e.g. an attractive company pension scheme (VBL), an annual end-of-year bonus and a position that is shielded from economic fluctuations.

The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions

The University of Münster is an equal opportunity employer and is committed to increasing the proportion of women academics. Consequently, we actively encourage applications by women. Female candidates with equivalent qualifications and academic achievements will be preferentially considered within the framework of the legal possibilities.

Are you interested? Then we look forward to receiving your application comprising the usual documents (including CV, certificates and transcripts of record, list of publications (optional), names and contact information of two references) by 15 April 2023 by E-Mail at:

**Westfälische Wilhelms-Universität**
**Physikalisches Institut**
Hybride Quanten- und Nanosystems Group
**Professor Dr. Hubert Krenner**
**Wilhelm-Klemm-Str. 10**
**48149 Münster**
**E-Mail: krenner@uni-muenster.de**

Please send your application as a single pdf file (file size max. 10 MB). Please note that we cannot consider other file formats.