



## Position for a phd student or postdoc at TU Wien

### Strongly correlated electron systems at ultralow temperatures

Strongly correlated electron systems are a vibrant frontier in modern condensed matter physics. Electron correlations often stabilize exotic phases, including various kinds of magnetism and superconductivity. Recently, effects of nontrivial electronic topology further enrich this landscape. To understand the underlying physics, it is frequently essential to probe these materials at the lowest possible temperatures.

The Vienna Microkelvin Laboratory is one of the leading institutions in Europe in this quest. As one of 8 access giving sites of the European Microkelvin Platform (<https://emplatform.eu>) it contributes to advancing the frontier in ultralow temperature measurements of quantum materials.

The successful candidate will work in an international team and contribute to both the technical developments of new measurement techniques in the sub-mK regime and to the investigation of selected particularly interesting materials with these techniques.

We seek for a candidate with an excellent background in solid state physics, very good experimental skills and, ideally, some knowledge/experience in low temperature experiments.

To apply, please send an email containing a CV, a list of publications and presentations, a short statement of research experience and interests, and two letters of recommendation (emailed separately by the writers) to:

Prof. Dr. Silke BÜHLER-PASCHEN  
Institute of Solid State Physics  
Vienna University of Technology  
Wiedner Hauptstr. 8-10  
1040 Vienna  
AUSTRIA  
<https://www.ifp.tuwien.ac.at/paschen/>  
paschen@ifp.tuwien.ac.at  
+43 (0)1 58801 13716

**Working place:** Institute of Solid State Physics, Vienna University of Technology

**Starting date:** As soon as possible.

**Application deadline:** Applications will be considered until the position is filled.

**Salary:** ~2200 EUR (phd student)/~3900 EUR (postdoc) gross salary/month, 14 times per year, in accordance with the Austrian Collective Agreement for University Staff.