

Post-doctoral Researcher in Materials Science

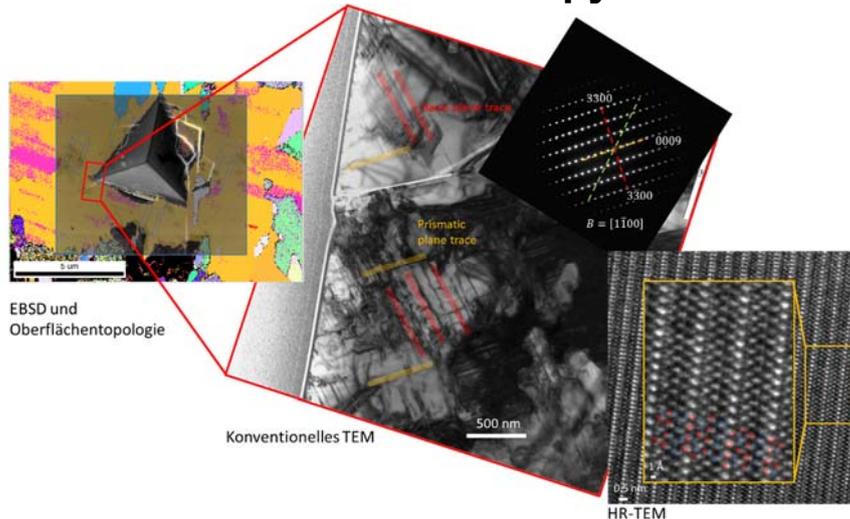
Transmission electron microscopy of lattice defects



Institute of Physical
Metallurgy and
Materials Physics

RWTH Aachen University

01 February 2021



About us:

Research at the Institute of Metallurgy and Materials Physics at RWTH Aachen University focuses on fundamental and applied materials physics. Materials are characterised, modelled and improved in interdisciplinary collaborations at national and international level and using state-of-the-art equipment.

We are looking for:

An enthusiastic candidate who

- holds (or will soon hold) a doctoral degree in Materials Science, Materials Engineering or Physics
- enjoys working in a team
- is interested in the plasticity of metallic and intermetallic materials
- is experienced in transmission electron microscopy
- enjoys teaching and has experience or is enthusiastic to gain experience in delivering lectures at undergraduate or graduate level
- has a very good command of German and English

Your responsibilities:

Many projects at the IMM focus on understanding the deformation behaviour and the underlying mechanisms in different metallic and intermetallic systems. This includes the characterisation of microstructures, and in particular lattice defects such as dislocations and stacking faults using transmission electron microscopy. We are looking for an experienced material scientist with a strong background in transmission electron microscopy who likes to work together with doctoral and post-doctoral researchers in several projects, in particular within the SFB 1394 "defect phase diagrams".

In addition, you would be involved in the teaching activities at the IMM where a team of doctoral and post-doctoral researchers supports the head of the institute in delivering lectures and exercises at undergraduate and graduate level in the field of physical metallurgy, both in German and English.

We offer:

The position is offered on a temporary contract for a fixed term of 36 months (full time). The salary is based on the German public service salary scale (TV-L) depending on personal background. RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing that they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

Your contact person:

Prof. Dr. Sandra Korte-Kerzel (korte-kerzel@imm.rwth-aachen.de)

Applications (cover letter, CV and any supplementary information) should be submitted **as soon as possible**.