



The Ceramics group at the Department of Materials and Earth Science at TU Darmstadt focusses on the development of new functional ceramics. Our newest research field on dislocation-based functionality in oxides has now 4 researchers and further open positions. The international group of about 20 researchers is the world-wide leader in the development of lead-free piezoceramics and functional ceramics. We have now an open position for a

Postdoctoral Researcher TEM

available for 2 years, starting immediately.

Your tasks:

Research work will be mostly of experimental nature with accompanying data analysis. Your major task will be preparing TEM samples, performing TEM analyses (free access to TEM facilities in-house), and provide insights on the microstructures (dislocation structures, grain boundaries) in the areas of interest in ceramic oxides.

Your profile:

Excellent Ph.D. in materials science, chemistry or physics, first-hand experience in TEM characterization, and several internationally refereed publications. Very good knowledge of English in writing and speaking. A background in one or more of the following topics is required: TEM investigations into atomic structure, dislocations, plastic deformation.

Inclination or proof of own independent research is of advantage. Experience in supervision of B.Sc. or M. Sc. thesis is a plus. Join us if you are looking for new scientific challenges, are keen to work independently, and able to communicate well in a large team.

Our offer:

We are offering a challenging environment with theoretical groups, experts in electronic and atomic structure and groups focusing on material development and tuning functionality, but also offer room for your independent development.

The fulfillment of the duties likewise enables the scientific qualifications of the candidate.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

Your application:

Applications should include CV, publication list, and PDFs of 3 recent publications. Please send your application to: apply@ceramics.tu-darmstadt.de

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