



Leibniz
Gemeinschaft



The Humboldt-Universität zu Berlin (HU) and the Leibniz-Institute for Crystal Growth (IKZ) invites applications for a joint

Humboldt-Leibniz Professorship on “Structural Physics: High resolution electron microscopy of crystalline solid state materials” (W2) commencing earliest possible date with a limited duration of initially five years. A new appointment is possible.

The professorship focuses on the structural characterization of novel materials and material systems and its correlation with functional properties. The investigations will be enabled by most modern electron microscopy methods, in order to gain a better understanding of the relationship between crystallographic structure and physical properties of condensed matter, in particular oxide and nitride semiconductors and ferroelectric oxide layers as well as heterostructures.

The Humboldt-Leibniz professor will carry out his/her research activities at the Institute of Physics in close co-operation with the IKZ and for this, the Joint-Lab for Electron Microscopy Adlershof (JEMA) provides modern electron microscopy facilities. It is expected that the new professor will participate actively in joint research projects. A particular teaching activity involving lectures in the area of electron microscopy and structural physics is expected.

Candidates are required to fulfill the regulations for a professorship according to § 100 of the Berliner Hochschulgesetz. A profound experience in the field of analysis of the relationships between structure and physical properties via electron microscopy methods, preferably in the field of oxides and nitrides is expected. Experiences in interdisciplinary collaboration, leading of research groups, coordination and development of research projects and acquiring financial resources should be available.

The HU and the IKZ are equal opportunity employers, committed to the advancement of individuals without regard to ethnicity, religion, sex, age, disability or any other protected status.

Applications including five selected publications and a short research exposé should be sent by referring to **code number PR/001/11** within 4 weeks to the Humboldt-Universität zu Berlin, Dean of the Faculty of Mathematics and Natural Sciences I, Prof. Dr. Herrmann, Unter den Linden 6, D-10099 Berlin. As application materials will not be returned, we ask you to submit solely copies of your documents in the application. In order to accelerate the process, applicants are kindly requested to send their application materials both in written form as well as electronically via <https://www.physik.hu-berlin.de/ssl/microscopy>.