

The Leibniz Institute for Solid State and Materials Research Dresden e. V. (IFW Dresden) conducts modern materials research on a scientific basis for the development of new and sustainable materials and technologies. The institute employs an average of 500 people from over 40 nations and, in addition to its scientific tasks, is dedicated to promoting young scientists and engineers. Further information at: www.ifw-dresden.de

The Institute of Solid State Research at the IFW Dresden has a vacancy in the working group Advanced Methods of Electron Microscopy for a

PhD student (m/f/d) ***atomic structure of PB and PBA***

with a weekly working time of 26 hours.

Your tasks:

The field of work includes scientific investigations of the atomic structures of Prussian Blue (PB) and Prussian Blue Analogs (PBA) by transmission electron microscopy (TEM), utilization of PB and PBA compounds as resistive switches (RS) and electrical in-operando TEM studies on RS.

Your Profile:

As an applicant (m/f/d) you have completed your studies in the field of physics with a Master of Science or Diploma. Basic knowledge of electronics and solid state physics as well as basic programming skills would be an advantage. The start of a doctorate is expected and, as an international research institution, we require a very good knowledge of written and spoken English.

Conditions:

Remuneration is based on the TV-L (EG 13, 26 h/week) The first contract is limited to 1 year, an extension for another 2 years is possible. Doctoral students (m/f/d) are facilitated to participate in the doctoral program in order to successfully complete their dissertation. We offer an attractive workplace with excellent facilities and surroundings in Dresden.

IFW Dresden strives for a balanced gender ratio in all areas. In science, IFW Dresden would like to increase the proportion of women and therefore explicitly invites suitably qualified female scientists to apply. The application of severely disabled persons is explicitly welcome.

Application including a CV, a motivation letter describing the research career goals, skills and experience, copies of all certificates should be sent citing the reference number **009-24-1104** not later than **January 10th, 2024** online as a single pdf-file to:

bewerbung@ifw-dresden.de.

For further information, please contact: Prof. Dr. Axel Lubk (a.lubk@ifw-dresden.de) or Dr. Daniel Wolf (d.wolf@ifw-dresden.de)

