Job profile Nr. 49/2017e
Scientist (f/m)

with 50% of average regular weekly working hours

Job description: Modern electrode materials with electrochemical properties beyond the state of the art usually suffer from detrimental effects, such as volume expansion, large irreversible capacities or unwanted side reactions, which prevents them from being commercially successful. However, these effects might be strongly reduced if these materials are synthesized as (nano)composites or hybrid materials. Within this project, it is your task to apply different modern inorganic and organic synthesis procedures for tailoring preceramic precursors and final materials with regard to their size distribution, porosity and nanostructure in order to optimize their properties as battery active materials. The position is located in Ulm.

Qualification: You are holding a university degree (diploma/master) in chemistry or materials science with experience in the synthesis of inorganic materials via wet chemical procedures or methods of solid state chemistry and their physico-chemical characterisation. The successful candidate should have a very good command of German and/or English. First experience with the electrochemical characterisation of battery active materials would be an asset.

Salary: Remuneration shall be based on the Collective Agreement for the Public Service Sector.

Institute/Department: Helmholtz Institute Ulm - Electrochemical Energy Storage (HIU), research group Composites/Hybrid materials

Contract duration: limited to 3 years

Starting date: as soon as possible

Application up to: 28.02.2017

Contact person in line-management: Prof. Dr. Fichtner, Phone: +49 (0)731/50-34101 or Dr. Wohlfahrt-Mehrens, Phone: +49 (0)731/9530-612

Application: Please apply online or send your application referring to the identification number of the job 49/2017e to Mr. Dolzinski, Campus Nord, Telephone 0721 608-25030, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen.

KIT prefers to balance the number of female and male employees. We therefore kindly ask female applicants to apply for this job.

If qualified, handicapped applicants will be preferred.

Karlsruhe Institute of Technology, 08.02.2017