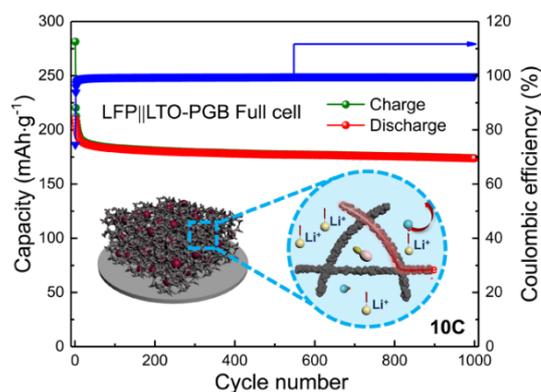


The Leibniz Institute for Solid State and Materials Research Dresden (IFW Dresden) is a non-university research institute and a member of the Leibniz Association. The IFW employs approximately 600 people, and one focus is on the training of young scientists besides enhancing fundamental and applied research development. At the highest international level, the IFW operates modern materials science on a scientific basis and makes the obtained results useful for the economy. The complex and interdisciplinary research work is carried out within the IFW by five scientific institutes, which are supported by a highly developed technical infrastructure. The IFW supports its employees in reconciling work and family life and regularly submits to the berufundfamilie® audit. Further information at: www.ifw-dresden.de.

The research group **Analytics for Energy Storage Systems** of Institute for Complex Materials at IFW Dresden is now offering a position for a student assistant.

Within the research project “Functional Biopolymer Binders for High-Energy-Density and Ultrafast Cycling Lithium-Ion Batteries Operating at Extreme Temperatures”, we plan to prepare a composite cathode containing the LiFePO_4 active material and a novel binder system capable to effectively operate in batteries in a broad temperature range at different charging times. Laboratory tests of batteries will be performed between $-30\text{ }^\circ\text{C}$ and $+60\text{ }^\circ\text{C}$ at conventional and high current rates enabling full battery charge during 6 minutes.



As a candidate, you study chemistry, materials science or physics. During your work in the group, you will deal with electrodes preparation, batteries assembling and their general electrochemical tests. At the same time, you will learn and participate in various physical and chemical structure studies, including FTIR, SEM and XRD techniques. The ability to work in a team is strongly required.

Further information can be found at:

<https://www.ifw-dresden.de/ifw-institutes/ikm/analytics-for-energy-storage-systems/research>

If you are interested in the position, please send your application (in English or German) including a cover letter with CV and copies of certificates and other relevant material (if applicable) citing the **reference number 065-21-3010** as a single pdf file to the following email-address:

bewerbung@ifw-dresden.de.

Please contact Dr. Daria Mikhailova (d.mikhailova@ifw-dresden.de) for more information. You can also ask for a master's or diploma thesis in this group.