Technische Universität Braunschweig

Student Assistant (HiWi) for LiBEST³ project

iPAT Institut für Partikeltechnik

The LiBEST³ project aims to develop high-capacity batteries by integrating advanced materials such as Si-anodes and Ni-rich NCM cathodes. While the implementation of these materials presents challenges, the project is dedicated to optimizing these systems and assessing their scalability and operational safety.

As a HiWi, your tasks will include:

- **Contribute to preparing electrodes by mixing slurry with a dissolver to ensure uniform consistency for optimal battery testing performance.**
- **Assist in constructing both half-cell and full-cell coin cells within a controlled glovebox environment.**
- **Contribute to conducting electrochemical tests on EL-cells using battery-testing equipment to evaluate performance.**
- **Assist in performing material characterization using techniques such as particle size measurement, scanning electron microscopy (SEM), and other relevant methods.**
- **Contribute to carrying out electrochemical testing and interpreting the results, including charge-discharge cycling and long-term cycling life performance analysis of battery materials.**

We are looking for a motivated team member to join our LiBEST³ project, which focuses on developing high-capacity batteries. The ideal candidate should enjoy working in an intercultural environment and be committed to contributing to the success of the project.

Notes:

We offer the opportunity to work in an open and friendly team with flat hierarchies and flexible working hours. The contract involves 20 hours per month.

Start : **By agreement**

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