Master thesis / Bachelor thesis

Investigation of product and process interdependencies of solid-state batteries.

Initial situation:
Battery technology will be one of the key technologies for sustainable mobility and energy storage in the coming decade. The current focus is on the lithium-ion battery (LIB), in which liquid electrolytes are used. A promising future battery system is represented by the solid-state battery. The liquid electrolyte can be substituted by a solid state electrolyte. Research is currently focusing on the product properties on the one hand and on the production technology of the solid-state battery on the other. However, adequate consideration of product and process interdependencies has hardly been considered in detail. This investigation is imperative if the market breakthrough for the solid-state battery is to be achieved.

Your prerequisites:
● Degree in (industrial) engineering (or comparable)
● Ability to structure and develop content independently
● Very high motivation
● Commitment and willingness to learn

We offer:
● Professional and intensive support
● Flexibility in the formulation of topics
● Insights into future technologies of battery production
● Independent execution with meetings via MS Teams

Interested?
Please send a current transcript of grades as well as your resume and references to the e-mail address below.

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