



Improvement of cathode composite granules for All-Solid-State batteries

All-Solid-State Batteries give high potential for future energy sources in electromobility. With their solid electrolyte these cells have a higher energy density and improved safety than regular Li-Ion battery cells. For the technical realization there is high demand for research and development.

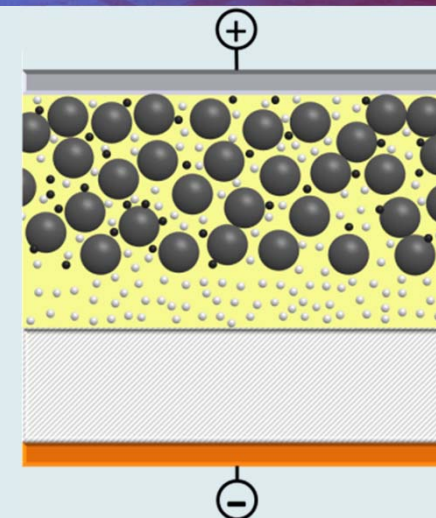
With an optimized design of the surface of the cathode composites, the processability of intermediate products can be improved. Additionally, the realization of nanoparticulate thin films can increase the stability against moisture as well as the storability, so that the ionic and electrical conductivity is maintained.

Relevant aspects possible in this thesis topic:

- Realization of nanoparticulate thin films on cathode composites
- Manufacture and characterization of cathode coatings
- If nec. Building of (half) cells for further characterization



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Annotation:

Depending on the type of thesis, the scope can be adjusted

Start:

Anytime

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