

We offer in close collaboration between the Fraunhofer IWKS and the Materials and Resources research group at TU Darmstadt open positions for Advanced Research Lab (ARL) and Bachelor/Master thesis or as student assistant (HiWi), respectively. We are eager to host students who are ready to adapt oneself to new challenges in the field of Li-ion battery cathode active material recycling.

Your tasks:

- Identification of open scientific questions by thorough literature survey and discussions with the group members
- Carrying out own experiments to prove or disprove the working hypothesis
- Sample analysis including XRD, TGA, and SEM-EDX

You offer:

- Sound and comprehensive understanding in materials science, particularly in XRD, TGA, and SEM-EDX
- Passion for presenting your results on different levels
- Self-motivated hard-working researcher attitude
- Persistent and consistent performance with intense concentration, focus, and taking responsibility
- Ability to deliver the results within a given time frame
- Team player and the ability to work for a greater goal
- Good English language skills (B2 or higher)

In summary

How to Apply: Please submit the latest 1) report(s) in Word format and 2) presentation slides in Powerpoint format to the email above, song.hak.yoon@iwks.fraunhofer.de

Research Topic: Resynthesis and analysis of precursors and cathode active materials during Li-ion battery recycling

Open positions: student assistant (HiWi), Advanced Research Lab (ARL) or Bachelor/Master thesis

Qualifications: Strong background in materials science and chemistry. Experience with synthesis and characterization techniques