



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG

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09:45 – 10:30 Uhr

## Anodes – Technology Review

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**Abstract.** Many electrochemical energy storage technologies utilise anodes that are specific to the chemistry of the device. Anodes must be designed for devices including primary and secondary batteries, fuel cells and capacitors.

These applications include a diverse range of operational conditions, including aqueous, solid or organic media.

This talk will provide an overview of anode technologies. Established and developing storage technologies will be discussed to provide an insight into how anodes (materials, manufacturing processes and modes of operation) differ from between specific applications and devices. Case studies will be used to provide practical examples and guide discussions onto the question of future challenges and opportunities.