

# Workshop Programme



Time	Session	Slot, Speakers & Contribution		
09:30-09:45	Welcome & Introduction	Philip Kargl / <i>Virtual Vehicle</i>		
09:45-11:15	Workshop Session 1	09:45-10:15	Dr. Gebrekidan Eshetu / <i>RWTH Aachen</i>	Overview of Silicon Containing and Derivative Anode Material Candidates for High-Energy Lithium-Ion Batteries
		10:15-10:45	Dr. Nicolas Eshraghi / <i>Austrian Institute of Technology</i>	Si-based anode materials, synthesis, production, and challenges
		10:45-11:15	Philip Daubinger, Mara Göttlinger / <i>Fraunhofer ISC</i>	Silicon-Based Anodes for Lithium-Ion Batteries – Dilatometry and Influence of External Pressure
11:15-11:45	Break			
11:45-13:15	Workshop Session 2	11:45-12:15	Philip Kargl / <i>Virtual Vehicle</i>	Study of the expansion of pouch cells with Si-based anodes using dilatometry and FE-simulations
		12:15-12:45	Dr. Andreas Pfrang / <i>European Commission, Joint Research Centre</i>	Expansion of Si-alloy containing anodes studied by micro computed tomography of 18650 cells
		12:45-13:15	Prof. Egbert Figgemeier / <i>RWTH Aachen</i>	Overview on the pre-lithiation process for Si-based anodes
13:15-13:30	Discussion & Closing	Philip Kargl / <i>Virtual Vehicle</i>		