

# SCCER Summer School - Energy Storage in Batteries: Materials, Systems, and Manufacturing

Energy Storage in Batteries: Materials, Systems, and Manufacturing  
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## Modelling Characterization and Tests on Battery Packs

*Wednesday, 13 July 2016 13:30 (1h 45m)*

Single cells are integrated to battery packs to increase voltage and/or current level. Extensive testing of battery packs is required to verify if the design values of battery packs are reached to fulfil requirements of customers, standards and legislations. Detailed descriptions of the current state-of-the-art testing routines with respect to electrical, mechanical, thermal and safety characteristics are presented with focus to automotive batteries based on Li-Ion cells.

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