

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

Energy Storage in Batteries: Materials, Systems, and Manufacturing
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BESS Technology for Public Transportation and Green Power Grid

Thursday, 14 July 2016 10:45 (1h 45m)

This lesson begins with business cases for “new” applications. The technology of dimensioning and cooling lithium-ion batteries in electric buses, home energy storage, and sub-stations is discussed. A semi-empirical battery model will be introduced, followed by a discussion on the implications and limitations of this approach. Finally, a brief discussion on future electrochemical technologies will be held (time permitting).

Presenter: Dr PATEY, Timothy (ABB Corporate Research)