

Session Program

5-6 May 2022

Integrated Computational Materials, Process and Product Engineering - IC-MPPE 2022

Energy storage for eMobility and stationary applications I

Live Congress Leoben
Hauptpl. 1, 8700 Leoben, Austria

Thursday 5 May

15:00

Energy storage for eMobility and stationary applications I

Session | **Location:** Erzherzog Johann Saal - Room 1 | **Convener:** Dr Roland Brunner

15:00–15:20

Towards Silicon Based Lithium Ion Batteries

Speaker

Stefan Koller

15:20–15:40

The mechanism of lithium dendrite formation and propagation under pulsed charging conditions in solid state lithium batteries

Speaker

Mr Daniel Rettenwander

15:40–16:00

Scalable multi-physics simulation to support battery and fuel cell development

Speaker

Reinhard Tatschl

16:00–16:20

Electrochemical solid oxide cells for sustainable and efficient energy storage and conversion

Speaker

Edith Bucher

16:20