

## Hybrid Workshop on Next Generation Li-ion Batteries

**Supported by the TACR Project:** *Next generation all-solid-state Li-ion batteries (TK03030157)*

**Date:** 9 December 2025

**Time:** 13:00 – 16:00

**Venue:** Tomas Bata University in Zlín, University Institute - U11 Building, Room 419 (or online; link to be provided)

### Programme

Time	Topic	Speaker
13:00	<i>Welcome and Opening Remarks</i>	
13:05	<i>Introduction – Energy Research at TBU in Zlín</i>	prof. Ing. Petr Sába, CSc., dr. h. c.
13:20	<i>Challenges in Solid State Li-Metal Batteries</i>	Haojie Fei, M.Sc., Ph.D.
13:40	<i>Electrolyte Additives in High Voltage Li-ion Batteries</i>	Nikhitha Joseph, M.Sc., Ph.D.
14:00	<i>Solid Polymer Electrolyte for Li-ion Batteries</i>	Dr.Ing. Constantin Bubulinca
14:20	<i>Life Cycle Assessment (LCA) of Batteries</i>	Debashri Paul, Ph.D.; Ing. Anna Uhrová
14:40	<i>Triboelectric Energy Harvesting for Li-ion Batteries</i>	Ing. Jiří Matyáš, Ph.D.
15:00	<i>Energy Materials made from Waste Leather</i>	Ing. Tomáš Sába, Ph.D. ; Ahmad Reshad Delawary, M.Sc.
15:20	Discussion	
16:00	<i>Closing Remarks</i>	prof. Ing. Petr Sába, CSc., dr. h. c.

