

TUESDAY 25/03/2025

- 9:00 – 9:20** Welcome note
- 9:20 – 9:50** Keynote - How we develop batteries in a sustainable way
Raphaela Thevenin
- 9:50 – 10:10** Designing Ni-rich cathodes for safer, longer lifetime batteries
Serena Cussen
- 10:10 – 10:40** **Coffee break**
- 10:40 – 11:00** Na-ion batteries: Should we /Can we do without Lithium?
Loïc Simonin
- 11:00 – 11:20** Charge transport in composite polymer/ceramic electrolytes for all-solid-state batteries
Renaud Bouchet
- 11:20 – 11:40** Looking inside battery cells: The power of combining different views
ESRF
- 11:40 – 12:00** Exploring the Impact of Materials Structure-Properties-Processing Relationships on Battery Performance
Guinevere Giffin
- 12:00 – 12:30** PhD session
- 12:30 - 14:00** **Lunch break**
- 14:00 - 14:30** Keynote - Digitalization of battery manufacturing, state the challenges involved and how we solve it
Christober Raj
- 14:30 - 14:50** Digitally-enhanced zero-defect manufacturing methods
Marcello Colledani
- 14:50 - 15:10** Battery Manufacturing Knowledge Graphs : Unlocking Actionable Insights
Akash Basia
- 15:10 - 15:30** Cybersecurity threats on battery cell manufacturing leveraging Ontologies and Knowledge Graphs
Nada Mimouni
- 15:30 - 16:00** **Coffee Break**
- 16:00 - 16:20** Digital Twins in Battery Cell Production, from Theory to Practice
Tom Hülsmann
- 16:20 - 16:50** PhD session

WEDNESDAY 26/03/2025

- 9:00 – 9:30** Keynote - The EU's battery recycling needs and opportunities
Rajapandian Rajagopal
- 9:30 – 9:50** Battery second life before recycling? – Paradigm answers for value extraction in the European battery sector
Luis Oliveira
- 9:50 – 10:10** Hydrometallurgical recycling of EV batteries
Sulalit Bandyopadhyay
- 10:10 – 10:30** Challenges of the deactivation of EV LIB for the recycling process - *Emmanuel Billy*
- 10:30 – 11:00** **Coffee break**
- 11:00 – 11:20** BATRAW: Electrochemical lithium recovery as a selective approach for Li-ion batteries waste treatment
Angel Manuel Escamilla Perez
- 11:20 – 11:40** Closed-loop recycling of cathode active material approach
Lenka Svecova
- 11:40 – 12:30** PhD session
- 12:30 - 14:00** **Lunch break**
- 14:00 – 17:00** Sites viist: R&D battery Platform CEA / Synchrotron ESRF

THURSDAY 27/03/2025

- 9:30 – 10:30** Round table: training for battery industry
- 10:30 – 11:00** **Coffee break**
- 11:00 – 12:30** Cross perspectives- from labs to industry
- 12:30 – 13:30** Battery materials – *Emmanuel Hache*
- 13:30 - 15:00** **Lunch break**
- 15:00 -17:00** Site visit: Verkor pilot line