



BATTERY 360°

The PEPR Summer School on Advanced Battery Science and Technology

Monday, 1 June 2026 - Afternoon Session

Time	Topic
13:00–13:45	Welcome Session
13:45–14:00	Opening Remarks and Introduction
Theme 1	
14:00–15:00 🎤 T1 🕒 60 min	The Role of Batteries in the Energy Transition: From Mobility to Stationary Storage — Needs, Challenges, and Perspectives Hélène Burette, CEA DIR, Grenoble
15:00–16:00 🎤 T2 🕒 60 min	General Overview of EES Intervenant
16:00–16:30	Coffee break
16:30–17:30 🎤 T3 🕒 60 min	Electrochemistry - From Basic Concepts to Energy Storage Steven Le Vot - ICGM, Montpellier
17:30–18:30 🎤 T4 🕒 60 min	TBD TBD



Tuesday, 2 June 2026 - Morning Session

Time	Topic
08:00–08:30	Participants Welcome
Theme 2	Lithium from A to Z
08:30–09:15 🎤 T5 🕒 45 min	Li-ion Chemistries Laurence Croguennec, ICMCB, Bordeaux
09:15–10:00 🎤 T6 🕒 45 min	All Solid State Batteries Christian Masquelier - LRCS, Amiens
10:00–10:30	Coffee Break
10:30–11:15 🎤 T7 🕒 45 min	Li-Cell Design, Upscaling and Prototyping Mathieu Morcrette - LRCS, Amiens
11:15–12:00 🎤 T8 🕒 45 min	Systems and BMS Pierre Kuntz - CEA LITEN, Grenoble
12:00–14:00	Lunch



Tuesday, 2 June 2026 - Afternoon Session

Time	Topic
12:00–14:00	Lunch
Theme 3	Power Devices
14:00–14:45 🎤 T9	Sodium
🕒 45 min	Laure Monconduit - ICGM, Montpellier
14:45–15:30 🎤 T10	Supercapacitors
🕒 45 min	Christophe Lethien - IEMN, Lille
15:30–16:00	Coffee Break
Theme 4	Stationary storage and Aqueous batteries
16:00–16:45 🎤 T11	Aqueous Batteries (Zn + Li/Na)
🕒 45 min	TBD
16:45–17:30 🎤 T12	Redox Flow Batteries - From Fundamentals to Applications
🕒 45 min	Steven Le Vot - ICGM, Montpellier
17:30–18:30	Poster Session



Wednesday, 3 June 2026 - Morning Session

Time	Topic
08:00–08:30	Participants Welcome
Theme 5	Modeling and Artificial Intelligence for Batteries
08:30–09:30 🎤 T13 🕒 45 min	Modeling Batteries Across Scales: From Multiscale Approaches to Molecular Simulations Céline Merlet - CIRIMAT, Toulouse
09:30–10:30 🎤 T14 🕒 45 min	AI Methods for Molecular Modeling: Applications to Battery Materials Ambroise Van Roekeghem - CEA LITEN, Grenoble
10:30–11:00	Coffee Break
11:00–12:00 🎤 T15 🕒 45 min	From Classical Methods to AI-Driven Approaches for Battery Processes and Characterization Arnaud Demortière - LRCS, Amiens
12:00–14:00	Lunch



Wednesday, 3 June 2026 - Afternoon Session

Time	Topic
12:00–14:00	Lunch
Theme 6	Characterization
14:00–14:45 🎤 T16	Radiation-Matter Interaction - From Fundamentals to Battery Materials Characterization
🕒 45 min	Lorenzo Stievano - ICGM, Montpellier
14:45–15:30 🎤 T17	From Bulk to Interface: Multiscale Characterization Strategies and the Challenge of Operando Cell Design
🕒 45 min	Claire Villevieille - LEPMI, Grenoble
15:30–16:00	Coffee Break
16:00–16:45 🎤 T18	Large-Scale Facilities and Advanced X-ray Techniques: How to Prepare and Design an Experiment
🕒 45 min	Antonella Iadecola - RS2E, Synchrotron Soleil
16:45–17:30 🎤 T19	Sensing
🕒 45 min	Charlotte Mouravieff - CSE, Paris
17:30–18:30	Poster Session



Thursday, 4 June 2026 - Morning Session

Time	Topic
08:00–08:30	Participants Welcome
Theme 7	“Resources“
08:30–09:15 🎤 T20	Resources, Mining and Sustainability - Introduction
🕒 45 min	Loic Simonin - CEA LITEN, Grenoble
09:15–10:00 🎤 T21	Recycling
🕒 45 min	Jacob Olchowka - ICMCB, Bordeaux
10:00–10:30	Coffee break
10:30–11:15 🎤 T22	Low-Impact Chemistries
🕒 45 min	Loic Simonin - CEA LITEN, Grenoble
11:15–12:00 🎤 T23	Life Cycle Assessment and Sobriety
🕒 45 min	Philippe Azais - CEA LITEN, Grenoble
12:00–14:00	Lunch