BATTERY 360°

The PEPR Summer School on Advanced Battery Science and Technology

FRANCE 2030 PROGRAMME DE RECHERCHE BATTERIES

June 2026

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 Burlet, CEA DIR, Grenoble
15:00–16:00 T2 60 min	**General Overview of EES** Patrick Rozier - CIRIMAT, Toulouse
16:00–16:30	**Cofee 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	**Advanced Electrochemistry - EIS for Energy Storage** Sylvain Franger - ICMMO, Orsay

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	**State of the art of Lithium-ion technologies** Laurence Croguennec, ICMCB, Bordeaux
09:15–10:00 T6 45 min	**All Solid State Batteries** Christian Masquelier - LRCS, Amiens
10:00–10:30	**Cofee Break**
10:30–11:15 T7 45 min	**Li-Cell Design, Upscalling and Prototyping** Mathieu Morcrette - LRCS, Amiens
11:15–12:00 T8 45 min	**From the Cell to the Pack: Battery System Design for Mobility Applications** 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 45 min	**Sodium** Laure Monconduit - ICGM, Montpellier
14:45–15:30 T10 45 min	**Supercapacitors** Olivier Crosnier - IMN, Nantes
15:30–16:00	**Cofee Break**
Theme 4	**Stationnary storage and Aqueous batteries**
16:00–16:45 T11 45 min	**Aqueous Batteries** Véronique Balland - LEM, Paris
16:45–17:30 T12 45 min	**Redox Flow Batteries - From Fundamentals to Applications** 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 60 min	**Modeling Batteries Across Scales: From Multiscale Approaches to Molecular Simulations** Céline Merlet - CIRIMAT, Toulouse
09:30–10:30 T14 60 min	**AI Methods for Atomistic Modeling: Applications to Battery Materials** Ambroise Van Roekeghem - CEA LITEN, Grenoble
10:30–11:00	**Cofee Break**
11:00–12:00 T15 60 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**
14:00–15:00 T16 60 min	**Radiation-Matter Interaction - From Fundamentals to Battery Materials Characterization** Lorenzo Stievano - ICGM, Montpellier
15:00–16:00 T17 60 min	**Bulk X-ray spectroscopies for battery studies** Antonella Iadecola - RS2E, Synchrotron Soleil
16:00–16:30	**Cofee Break**
16:30–17:30 T18 60 min	**Sensing** 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 T19 45 min	**Resources, Mining and Sustainability - Introduction** Loic Simonin - CEA LITEN, Grenoble
09:15–10:00 T20 45 min	**Life Cycle Assessment and Sobriety** Philippe Azais - CEA LITEN, Grenoble
10:00–10:30	**Cofee break**
10:30–11:15 T21 45 min	**Low-Impact Chemistries** Loic Simonin - CEA LITEN, Grenoble
11:15–12:00 T22 45 min	**Recycling** Jacob Olchowka - ICMCB, Bordeaux
12:00–14:00	**Lunch**