



International Operando Battery Days

Grenoble, France, 12-14 June 2024

Chairs: C. Villevieille (LEPMI) and S. Lyonnard (CEA-IRIG-SYMMES)

Local committee: F. Alloin (LEPMI), L. Daniel (CEA-Liten), J. Jouve (CEA-Liten), M. Mirolo (ESRF), E. Suard (ILL)

The **International Operando Battery Days** is a conference dedicated to the characterization of batteries with advanced *operando* techniques, both in-lab and at Large Scale Facilities (synchrotron, neutron, muons...). After the inaugural event in 2022, we are happy to announce its **second edition, taking place in Grenoble from the 12th to the 14th of June 2024**. The program focuses on **advanced characterization tools and methods** applied to probe both the bulk and the interfacial properties of active materials in battery devices, particularly in *operando* conditions, e.g. during battery cycling. The conference will present **the most recent developments and progresses** to measure and map the evolving structures, including phase transitions, redox mechanisms, interfacial reactions, ageing, transport, in relation to materials composition and design and battery operating conditions. The conference will gather **120-150 participants from both academia and industry**, bringing together experts in electrochemistry, materials science, technology, and analytical methods, providing a unique opportunity to bring the battery community all together and constitute a platform for exchanging ideas, discussing new approaches, stimulate networking and collaborations.

Invited & Keynote Speakers

Prof. Erik Berg (Uppsala University, Sweden)
Dr. Arnaud Demortière (CNRS, France)
Prof. Sylvain Franger (Université Paris-Saclay)
Dr Eneli Härk (Helmholtz-Zentrum Berlin, Germany)
Prof. Mauro Pasta (University of Oxford, UK)
Prof. Dorthe B. Ravnsbæk (Aarhus University, Denmark)
Prof. Hans-Georg Steinrück (Paderborn University, Germany)



Venue

We will be pleased to welcome you all at the World Trade Center conference center in Grenoble, where the full event will take place. Grenoble, nestled in an open expanse at the foot of the mountains, is a center of innovation, recognized around the world for its research centers, its universities, its economic vitalities. The WTC is strategically located in a quiet are of the city (Europole), less than 5 minutes on foot from the train and bus stations and 20 minutes on foot from the city center.

Abstract submission – deadline 31 March 2024

<https://obat.sciencesconf.org/>



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