



Public Workshop

New Trends in Materials and Electrochemical Characterisation for Li-ion Batteries (LIB)

Free virtual Workshop on April 29, 2021
Login data will be sent to registered participants

Electrochemical characterisation techniques from nano- to macroscale and new battery material testing are at the heart of NanoBat. In this workshop of our regular bi-annual series, we focus on battery materials, for instance polymers as sustainable electroactive species in LIBs.

The first part comprises of **three lectures**:

1. Addressing advanced electrochemical characterisation techniques for LIBs
2. Looking at battery materials, manufacturing, and testing tools for batteries
3. The use of novel polymer materials for LIBs

In the second part, the focus is on **early stage researchers** (ESRs) from Marie Skłodowska-Curie training networks [POLYSTORAGE](#) and [SENTINEL](#), as well as other interested researchers, presenting their work in three different breakout rooms via short videos, followed by discussions. The three topics addressed will be:

- I. Materials for batteries
- II. Battery characterisation and testing
- III. Nano-electrochemistry and nano-imaging

If you are interested, please register for the workshop on the [NanoBat website](#).

Abstract submission:

ESRs are encouraged to submit an abstract (10 lines maximum) for presenting their 3-5 minutes video via e-mail to workshop@nanobat.eu.

Submission deadline: March 15, 2021

A participation certificate will be issued upon request.



Thursday, April 29, 2021 14:00 – 17:10		
Time	Topic	Speaker
14:00-14:10	Welcome and Opening	Jesus Palma (IMDEA Energy)
	Part I	Chair: Jesus Palma
14:10-14:40	Invited talk: Advanced electrochemical characterisation techniques	Prof. Patrick Unwin (University of Warwick)
14:40-15:10	Materials, manufacturing and testing of Li-ion batteries	Marcus Jahn (AIT – Austrian Institute of Technology)
15:10-15:40	Invited talk: Polymers for Li-ion batteries	Prof. Ulrich S. Schubert (Universität Jena)
15:40-16:00	Break	
	Part II	Chair: Gerald Kada (Keysight)
16:00-16:45	Three parallel breakout sessions (Zoom)	Early stage researchers give 5mins flash presentations, discussion
	Room “Wolfgang”: Nano-electrochemistry	Wolfgang Schuhmann (Ruhr-Universität Bochum)
	Room “Ferry”: Battery characterisation and testing	Ferry Kienberger (Keysight Technologies)
	Room “Edgar”: Materials for Batteries	Edgar Ventosa (Universidad de Burgos)
16:45-17:00	Conclusions from breakout sessions	Jesus Palma (IMDEA Energy)
17:00-17:10	Meeting closure	Jesus Palma (IMDEA Energy)
End of Workshop		

Inscription to the Workshop is free of charge.

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