

EXPERT DAY

Battery Testing



 20
JUNE

 09.30
14.30



IMDEA
Energy
Auditorium

REGISTRATION

Expert Day organized by IMDEA Energy in collaboration with the Spanish Technology and Innovation Platform for Energy Storage, BatteryPlat, and the companies BioLogic, Bruker, GFM, Master Battery, Neurtek and Weiss Technik in which battery manufacturers and end users will present the needs, challenges and opportunities involved in testing batteries to improve their use in current environments and search for new applications, IMDEA Energy researchers will present the progress made in the development of new and more advanced methodologies for testing and predicting the performance and useful life of batteries and testing equipment suppliers will exhibit their innovations to satisfy electrical, thermal and cell analysis tests in order to improve testing conditions and obtain more reliable, fast and accurate information from them.

The day is aimed at companies that manufacture battery and supercapacitor modules, companies that incorporate batteries in their products, equipment and facilities, engineering companies that design energy storage systems and public and private entities interested in testing electrochemical devices such as batteries, supercapacitors or deionizers. After the Buffet Lunch, the possibility of visiting the Exhibition Area again and holding private meetings with the Speakers or Delegates of the represented Companies is offered. If you are interested in reserving a time for a meeting, please send a request in advance of the day to the contact email felix.marin@imdea.org.

NOTE: The conference will be held in Spanish language, except the indicated presentation.

09:30-10:00 Welcome and presentation of the "Expert Day" and introduction to the day. *Jesús Palma, BatteryPlat / IMDEA Energy.*

10:00-10:20 Battery storage systems manufacturer. Needs, challenges, opportunities. *Miguel Manjón, Master Battery.*

10:20-10:40 Needs, challenges and opportunities for the use of batteries in photovoltaic applications. *Sergio Luján, GFM Fotovoltaica.*

10:40-11:00 Application of batteries in grids. *Milan Prodanovic, IMDEA Energy.*

11:00-11:40 Coffee break and visit to exhibitors.

11:40-12:00 Use of Artificial Intelligence Tools to study the aging of Batteries. *Enrique García-Quismondo, IMDEA Energy.*

12:00-12:20 Thermal tests on Li-ion batteries. Safety considerations for testing. *Rafael Atxurra, Neurtek.*

12:20-12:40 Abuse Tests on Lithium-Ion Batteries. *Oliver Grimm, Weiss Technik (in english)*

12:40-13:00 Electrical tests. *Ousmane Cámara, Bio-Logic.*

13:00-13:20 In operando XRD of Battery Cells. *Ángel Uceda, Bruker.*

13:20-13:30 Closing of the day. *Jesús Palma, BatteryPlat / IMDEA Energy.*

13:30-14:30 Buffet lunch and visit to exhibitors.



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