WORKSHOP

New Generation of Batteries
and Technologies for Decentralized Production

KEY SPEAKERS

Adélio Mendes
University of Porto, Faculty of Engineering (FEUP)

Pedro Salomé
International Iberian Nanotechnology Laboratory (INL)

Fátima Montemor
Instituto Superior Técnico de Lisboa (IST)
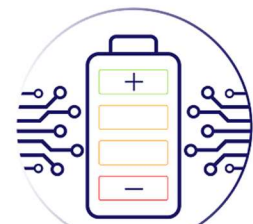
20th June 2023
Online via ZOOM

BATERIAS 2030

SCAN ME

With the participation of:
dstsolar · Amnis Pura · bysteel · C2C · dst · efacec · INL · TÉCNICO LISBOA · Universidade do Porto FEUP Faculdade de Engenharia · visblue

AGENDA

Start	End	Talk
09:00	09:20	**Welcome Session** **Baterias 2030 – Batteries as a Central Element for Urban Sustainability** *Ana Luísa Pereira* Innovation Manager DST Solar
09:20	10:00	**New Generation of Batteries** *Adélio Mendes* Full Professor University of Porto – Faculty of Engineering LEPABE/ALICE
10:00	10:30	**Unveiling the power of the Flow Battery Technology** *Carlos Almeida* PhD Student University of Porto – Faculty of Engineering LEPABE/ALICE
10:30	11:00	**Redox flow batteries** *Marta Boaventura* PhD, CTO Visblue Portugal SA.
11:00	**11:15**	**Break**
11:15	11:45	**Challenges in high power energy storage** *Fátima Montemor* Full Professor Instituto Superior Técnico de Lisboa
11:45	12:15	**Supercapacitors: applications and future trends** *Sónia Eugénio* PhD, Co-Founder, Head of Innovation C2C–NewCap
12:15	**13:30**	**Lunch Break**

Start	End	Talk
13:30	13:45	**Towards a sustainable future: exploring green hydrogen production through proton exchange membrane electrolysis** *Rita Marques* PhD Student University of Porto – Faculty of Engineering LEPABE/ALICE
13:45	14:00	**Ensuring purity: hydrogen drying through pressure swing adsorption** *Tiago Santos* PhD Student University of Porto – Faculty of Engineering LEPABE/ALICE
14:00	14:15	**Fuel cell construction – step-by-step** *Paulo Ribeirinha* PhD, Senior Researcher University of Porto – Faculty of Engineering LEPABE/ALICE Research Unit
14:15	14:45	**Enabling the hydrogen economy** *Frederico Relvas* PhD, CTO Amnispura SA.
14:45	15:15	**Power control and conversion systems** *Luís Azevedo Costa* Electrical Engineer EFACEC
15:15	**15:30**	**Pause**
15:30	16:00	**Technologies for Decentralized Production** *Pedro Salomé* Professor, Group Leader NOA Iberian Nanotechnology Laboratory – INL
16:00	16:30	**The Emergence of Perovskite Solar Cells** *Jorge Martins* PhD Student University of Porto – Faculty of Engineering LEPABE/ALICE Research Unit
16:30	**16:45**	**Closing**

BATERIAS
2030