

ENERGY MINING IN THE 21ST CENTURY

FIRST SEVERO OCHOA WORKSHOP ON ENERGY STORAGE AND HARVESTING

Agenda

- 🕒 09:30 - 10:00 **Register**
- 🕒 10:00 - 10:20 **Welcome**

Harvesting: from Piezoelectricity to Triboelectricity

- 🕒 10:20 - 11:10 **Dr Sohini Kar-Narayan** - University of Cambridge, UK
Nanostructured polymer-based piezoelectric and triboelectric materials and devices for energy harvesting
- 🕒 11:10 - 11:40 **Dr João O. Ventura** - University of Porto, Portugal
Triboelectric nanogenerators: from fundamental concepts to applications in harsh environments
- 🕒 11:40 - 12:10 **Coffee break**

PV Integration

- 🕒 12:10 - 13:00 **Prof. Hagfeldt Anders** - Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland
The versatility of mesoscopic solar cells
- 🕒 13:00 - 13:20 **Dr Mariano Campoy Quiles** - Institute of Materials Science of Barcelona (ICMAB-CSIC), Spain
From colour-on-demand organic solar cells to solar thermoelectrics
- 🕒 13:20 - 13:40 **Dr Geoffroy Gosset** - E-Peas, Belgium
The IoT will suffocate under battery piles
- 🕒 13:40 - 15:00 **Lunch**

Energy Storage & Solar Fuels

- 🕒 15:00 - 15:50 **Dr Maria Escudero** - University of Copenhagen, Denmark
Electrocatalysis for renewable energy conversion and production of sustainable fuels and chemicals
- 🕒 15:50 - 16:10 **Dr Teresa Andreu** - Catalan Institute for Energy Research (IREC), Spain
Nanocatalysts to turn carbon dioxide and water to carbon-neutral synthetic fuels
- 🕒 16:10 - 16:40 **Dr Christophe Aucher** - Leitat Technology Center, Spain
Critical raw material free battery technology for automotive and stationary applications
- 🕒 16:40 - 17:00 **Closure and final comments**