

2nd International workshop on “Novel batteries for electric energy storage”

7th July 2021 - Palermo (Italy)/online



PROGRAM

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| 08:30 – 09:00 | On-site registration |
| 09:00 – 09:10 | Opening Michele Tedesco, Wetsus, The Netherlands |
| 09:10 | Session I – Latest developments in flow batteries |
| 09:10 – 09:30 | Alessandro Tamburini , University of Palermo, Italy <i>“On the modelling of acid-base flow batteries”</i> |
| 09:30 – 09:50 | Jan Willem van Egmond , AquaBattery BV, The Netherlands <i>“Upscaling the acid-base flow battery”</i> |
| 09:50 – 10:10 | Maddalen Agirre , CIC energiGUNE, Spain <i>“HIGREEW. Toward environmentally sustainable redox flow battery”</i> |
| 10:10 – 10:30 | Maria Angeles Cabañero , CIC energiGUNE, Spain <i>“High capacity cobalt-free batteries for stationary storage applications”</i> |
| 10:30 – 10:50 | Giuseppe Lo Verso , ENEL X, Italy <i>“The role of storage systems in the development of Renewable Energy Communities”</i> |
| 10:50 – 11:10 | Coffee break |
| 11:10 | Session II – Novel chemistry and components for next-generation flow batteries |
| 11:10 – 11:30 | Luca Magagnin , Politecnico di Milano, Italy <i>“Zinc chemistries for next generation redox flow batteries”</i> |
| 11:30 – 11:50 | Pekka Peljo , University of Turku, Finland <i>“Computational screening of organic molecules for aqueous flow batteries”</i> |
| 11:50 – 12:10 | Emad Al-Dhubhani , Wetsus, The Netherlands <i>“Characterization and benchmarking of bipolar membranes for acid-base flow batteries”</i> |
| 12:10 – 12:30 | Alessandra di Blasi , CNR ITAE, Italy <i>“Innovative electrospun materials for high power density and performing Vanadium Redox Flow Battery”</i> |
| 12:30 – 13:30 | Lunch |
| 13:30 | Session III – Innovation in energy storage systems |
| 13:30 – 13:50 | Pier Paolo Prosini , ENEA, Italy <i>“The future of energy storage: novel chemistry for high-performance batteries”</i> |
| 13:50 – 14:10 | Martin Jérémy , CEA, France <i>“A high efficiency 3.3kV Si/SiC based ANPC inverter for medium voltage Energy Storage Systems”</i> |
| 14:10 – 14:30 | Massimo Guarnieri , Padova University, Italy <i>“Vanadium redox flow batteries: potentials and challenges”</i> |
| 14:30 – 14:50 | Francesca Soavi , University of Bologna, Italy <i>“Superconcentrated electrolytes for semi-solid flowable electrodes”</i> |
| 14:50 – 15:00 | Closing |

PROJECT PARTNERS



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