

Online international workshop

Towards an EU-wide energy transition: from Energy Communities to Virtual Power Plants through advanced Energy Storage Systems

**Thursday March 23rd, 2023
16:00 – 17:30 CET**

Current energy challenges facing the EU include: growing import dependency, limited diversification, high and volatile energy prices, rising global energy demand, risks to security in producing and transit countries, climate change, decarbonisation, slow progress in energy efficiency, operational challenges posed by the increasing share of renewable energy sources, as well as the need for a greater transparency and further integration and interconnection of energy markets. The core of EU energy policy consists of a wide range of measures aimed at achieving an integrated energy market, the security of energy supply and the sustainability of the energy sector as a whole.

Under the Energy Union initiative (2015), the five main objectives of the EU's energy policy are:

- diversify Europe's energy sources, ensuring energy security through solidarity and cooperation between EU countries;
- ensure the functioning of a fully integrated internal energy market, allowing for the free flow of energy within the EU through adequate infrastructure and without technical or regulatory barriers;
- improve energy efficiency and reduce dependency on energy imports, reduce emissions and stimulate jobs and growth;
- decarbonise the economy and move towards a low-carbon economy;
- promote research on low-carbon and clean energy technologies and prioritize research and innovation to drive the energy transition and improve competitiveness.

In this context, the proposed online workshop will present four relevant international research initiatives funded by the European Commission (under the Horizon 2020 and Horizon Europe programmes) spanning from Renewable Energy Communities (REC) to Virtual Power Plants (VPP) through advanced Energy Storage Systems (ESS), including novel applications of thermal storage.

In collaboration with:



For more information: AEIT LIGURIA

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Programme

VPP4ISLANDS – Virtual Power Plant for Interoperable and Smart isLANDS

Seifeddine BEN ELGHALI – *Aix-Marseille Université*

Diego PISERA' – *algoWatt SpA*

THUMBS-UP – Thermal energy storage solUtions to optimally Manage BuildingS and Unlock their grid balancing and flexibility Potential

Guillermo ANDRES NIETO – *VEOLIA Espana*

Stefano BARBERIS – *Università di Genova - DIME*

MASTERPIECE – Multidisciplinary Approaches and Software Technologies for Engagement, Recruitment and Participation in Innovative Energy Communities in Europe

Alfonso RAMALLO – *Universidad de Murcia – project overview*

Stefano BIANCHI – *algoWatt SpA*

FLEXCHESS – Flexibility services based on Connected and interoperable Hybrid Energy Storage System

Habib NASSER – *RDIUP*

Stefano BIANCHI – *algoWatt SpA*



ThumbsUp



Masterpiece



FlexCHES

Participation

PARTICIPATION IS FREE!

The online international workshop is in English only – no realtime translation is provided.

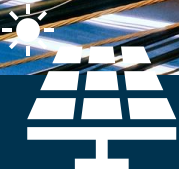


Reservation required: <https://anon.to/08hErU>



<https://genova.ordinequadrocloud.it/ISFormazione-Genova/towards-an-euwide-energy-transition-from-energy-communities-to-virtual-power-plants-through-advanced-corso-871.xhtml>

The link for the connection will be sent by email to registered participants, before the event.



Source: <https://pixabay.com/>