

International Conference on Sustainability in Energy and Buildings

Invited Sessions

Title of Session:

Advancements in renewable energy systems, innovative technologies and nature-based solutions for the built environment

Name of Chair:

Prof. Aneli Stefano, University of Catania (Italy)
Prof. Costanzo Vincenzo, University of Catania (Italy)

Description:

Innovations in the field of renewable energy production, sustainable technologies and nature-based solutions are key to contrast climate change in the built environment.

In particular, the increasing electrification of the buildings and transport sectors leads to a growth in the electricity demand that can be satisfied through the increased energy efficiency and the renewable energy produced on-site.

This special session aims to gather original research on the recent advancements in technologies for energy efficiency and energy production from renewable sources, with a particular focus on their integration in buildings, transport and agricultural facilities.

Topics of interest include, but are not limited to:

- renewable energy systems,
- intelligent energy systems management,
- energy system analysis and modelling,
- renewable systems integration in buildings, transport and agricultural facilities,
- energy efficiency in the building and transport sectors,
- innovative technologies for the building and transport sectors,
- nature-based solutions,
- building integrated agriculture

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