Ehu Solar Power Generation

Researchers at the University of the Basque Country (EHU) have explored how a combination of photovoltaic energy and heat pumps could be used to carry out the energy retrofitting of social rental housing.

oPEN Lab partners CENER (National Renewable Energy Centre of Spain) and the University of the Basque Country (UPV/EHU) have published a new scientific paper proposing a practical method to ...

The team is formed by 13 professors and a varying number of PhD and Master students from the Department of Electronic Technology of the UPV/EHU with the objective to improve the efficiency of electric ...

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest-growing source of ...

This innovation could significantly enhance the performance and cost-effectiveness of solar tower plants, which store sunlight as thermal energy for power generation even when the sun isn"t...

Their current exploration involves ultrablack materials designed for use in solar power towers, which rely on mirrors to focus sunlight onto a central tower where energy is absorbed.

About the course Smartgrids are a confluence of the need to improve the integration of variable renewable energy sources (main Distributed Generation (DG)) and the development of new technologies, particularly ICTs and ...

In this context, the key objective of the research carried out in the present study was to propose and develop a novel solar thermal-driven combined cooling, heating, and power system for...

This study addresses this exigency by harnessing solar energy and exploiting waste heat to augment energy efficiency in urban settings. The proposed system integrates a concentrated solar power ...

The Energy Engineering Department at the University of the Basque Country (UPV/EHU) is an academic and research unit dedicated to education and development in the field of energy.

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