



From Teaching to Research: Understanding the World We Live In - The Energy Transition from the Perspective of EPS -

Speakers:

Prof. Cristina Ventura

Ing. Claudio Francesco Nicolosi

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15:00-17:00

Sala riunioni Edificio 13 - DIEEI - Cittadella Universitaria Catania



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Abstract.

The energy transition and climate change are profoundly transforming the way energy is produced, managed, and used, making power systems a central element for the sustainable development of modern society. In this context, scientific research plays a fundamental role in analyzing emerging challenges and proposing innovative solutions capable of addressing the new issues of the energy sector.

The seminar “From Teaching to Research: Understanding the World We Live In - The Energy Transition from the Perspective of EPS” is designed to bring university students closer to the world of research, highlighting the direct link between the topics covered during their academic studies and the real-world challenges characterizing today’s energy system. Through practical examples and research activities developed in the field of electrical power systems, the seminar will address topics related to the impacts of climate change on the security and adequacy of power grids, the growing penetration of renewable energy sources, and the role of digital technologies and artificial intelligence in the management of modern energy systems.



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