

University of Pavia
**Ph.D. School of Electrical and Electronics Engineering
and Computer Science**

Seminar
**Impact analysis of the energy scenarios on the Italian
power system and mitigation of critical issues**

Dr. Fabio LANATI
RSE, Researcher

11:00-13:00 April 20th, 2021

[Zoom Link](#)

Meeting ID: 834 0378 4149

Passcode: 734996

Abstract

In last years, the Italian government sent to the European Commission two important plans relating to the country's energy strategy in the medium (NECP - National Energy and Climate Plan, with a 2030 horizon) and long-term (LTS - Long Term Strategy, with a 2050 horizon) . The two plans represent an important step in defining priorities for achieving the objectives that Italy intends to take at European level in terms of reducing greenhouse gas emissions, renewable energy and energy efficiency. The electricity sector has the greatest potential for decarbonization, but the transition to a system in which renewable sources, mainly non-programmable, will be predominant requires a careful investigation of the critical issues. The seminar presents the tools and studies conducted by RSE to analyze the impacts of decarbonization scenarios on the electricity sector, paying particular attention to the critical issues in the safe operation of the system and proposing the necessary solutions needed to cope with them.

Biography

Fabio Lanati: graduated in Electrical Engineering (University of Pavia), he is part of the Scenarios and System Analysis group of the Energy Systems Development Department of RSE (Ricerca sul Sistema Energetico). He currently works in the field of modeling dealing with long-term energy scenario analysis, electricity system simulations and demand side management. In last years he was part of the working groups supporting the national Governance of the energy system by carrying out analyzes for the main national plans such as the NES (National Energy Strategy), the NECP (National Energy and Climate Plan) and the LTS (Long Term Strategy).

Organizer

Prof. Norma Anglani

Ph.D. Coordinator

Prof. P. Di Barba

Seminar in Italian/English

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