



UNIVERSITÀ  
DI PAVIA

Department of Electrical Computer Biomedical  
Engineering

## Lectio Magistralis AY20/21

### Planning of Energy Conversion Systems (PECS21)

#### The Energy scenarios supporting decarbonization process: pillars and challenges

**Dr. Maria Gaeta**

**RSE, Milan**

**Monday March 8<sup>th</sup>, 2:15-4:00pm**

**C7 – Polo Didattico Cravino for regular attendees**

**Link [Zoom](#) for virtual attendees**



#### Abstract

The European Union has long started a decisive transition towards a low greenhouse gas emissions energy system through challenging policies and objectives. In this context, the Italian government has prepared two important plans relating to the Country's energy strategy in the medium (National Energy and Climate Plan, 2030) and in the long term (Long Term Strategy, 2050). The two plans define the priorities for achieving the objectives that Italy is assuming in terms of **reducing greenhouse gas emissions, renewable energy and energy efficiency**. The purpose of this seminar is to address the key aspects of the decarbonization process and energy scenarios, to illustrate models and tools used supporting Italian Government and to review some of the major critical issues.

#### Biography

Maria Gaeta is Head of Scenarios and System Analysis group in RSE - Ricerca sul Sistema Energetico. She has been involved in energy system models and in national and European projects concerning the development of energy scenarios and the evaluation of impacts of energy-environmental policies for over 12 years. In this context, Maria supports the Italian Government in energy and climate planning: she developed scenarios and assessments to support the National Energy Strategy yet in 2013 and then in 2017, she was engaged in analyzing the Energy and Climate Plan (PNIEC) in 2018-19 and in defining the new objectives and paths of the 2050 Long Term Strategy, in 2020. Maria is the Italian representative in the Technical Collaboration Program on Energy Technology Systems Analysis (ETSAP) of the IEA and is designated by the Italian Government as National Expert for the Reference Scenario group (European Commission).

#### Organizer

**Prof. Norma Anglani (PECS)**

Webinar in English

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