

# Workshop

## The Electric Renaissance: the Italian Path

Saturday, July 8, 2023

### Chair

**Roberto Napoli**, Member of the Board of the Ordine degli Ingegneri Torino, Emeritus Professor at Politecnico di Torino

### Objective

This workshop focuses on the key, essential features of the viable paths towards the new electric paradigms in Italy, from various points of view. Sustainable paths must be consumer-centric with the active participation of end users. A key role will be played by the academic community to train new experts and to undertake new research directions. Similarly, the formulation and specification of the *rules of the road* - the norms and the business models - are critically important. Also the impacts of the application of technology advancements, including the role of hydrogen deployment and nuclear developments such as the NewCleo Company, as well as grid modernization and expansion at transmission and distribution levels, are particularly important within the Italian context.

### Program

9:00 – 9:10

Welcome to the Participants:

**Beppe Ferro**, Presidente Ordine degli Ingegneri della Provincia di Torino

**Giuseppe Parise**, Presidente generale AEIT (Associazione Italiana di Elettrotecnica, Elettronica, Automazione, Informatica e Telecomunicazioni)



## **Session 1: Where are we now and where are we headed? (9:10-10:30)**

*Chair: Roberto Napoli*

- 9:10 – 9:35            Changes are required - the realistic Italian options  
**Roberto Napoli**, Politecnico di Torino
- 9:35– 10:00        Preparing the new human resources and research environment  
in the Academia  
**Matteo Sonza Reorda**, Vice-Rector for Research, Politecnico di  
Torino
- 10:00 – 10.25      The Italian research visions  
**Fabrizio Pilo**, ENSIEL and CIRED delegate, Univ. of Cagliari
- 10:25 – 10:30      Closing Remarks and Q&A
- 10:30 – 11:00      COFFEE BREAK

## **Session 2: Technological Breakthrough Options (11:00-13:00)**

*Chair: Roberto Napoli*

- 11:00 – 11:25      The hydrogen option  
**Massimo Santarelli**, Hydrogen Team Politecnico di Torino
- 11:25 – 11:55      Successful nuclear technologies of the fast-growing NewCleo  
Company  
**Luciano Cinotti**, Chief Scientific Officer NewCleo
- 11:55 – 12:20      The role of the transmission system and the smart interactions  
with the distributed generation  
**Enrico Maria Carlini**, Terna Power System Planning and  
Permitting
- 12:20 – 12:40      The Industrial vision  
**Marco Paludetto**, Global Product Manager Smart Power ABB
- 12:40 – 13:00      Closing Remarks and Q&A