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