



L'Università degli Studi di Napoli "Federico II"

e

**L'Associazione Italiana di Elettrotecnica, Elettronica, Automazione,
Informatica e Telecomunicazioni (AEIT) - Sez. Napoli,**

organizzano il Seminario

The Points of View of TSOs and DSOs on the Effects of Energy Transition on Power Quality: Trends, Challenges and Costs

30 Maggio 2022 (ore 10.30 - 12.00)

Centro Congressi Federico II, Via Partenope 36 - Napoli

Electrical Power Systems are undergoing massive changes worldwide to energy transition. Both planning and operation are changing in response to the increasing integration of Renewable Energy Source (RES), Power Electronic Interfaced Generation (PEIG) and Power Electronic Interfaced Devices (PEID). All of these changes affect Power Quality. Reducing the consequences of degraded Power Quality, which is known to have severe financial implications, could be one of the most challenging problems to be managed by system operators. Vertical coordination between TSOs and DSOs and horizontal coordination between TSOs are of utmost importance when facing the new challenges for system operators, due to the need of a holistic vision, and this is particularly true for Power Quality. The panel will give the opportunity of hearing and discussing TSOs and DSOs points of view on the trends, challenges and costs of Power Quality in the presence of the undergoing energy transition.

Chair: Alfredo Testa (*Università degli Studi della Campania Luigi Vanvitelli*)

Co-Chair: Luca Lo Schiavo (*Italian Regulatory Authority for Energy, Networks and Environment - ARERA*)

Panelists:

Enrico Maria Carlini (Terna, IT), Andrea Caregari (E-Distribuzione, IT), Xavier Xianjun Yang (EDF, FR), Julien Vanvilthoven (ELIA, BE), Jacco Smit (Tennet, NL), Gaurav Singh (EPRI, US)