



Training Days

COURSE TITLE:
STANDARDIZATION OF DISTRIBUTION FACILITIES: RECENT DEVELOPMENTS

DATA: 20th September

DURATION: 2h

SPEAKER: Giuseppe Dell'Olio

ABSTRACT:

The course is focused on International standards and certification involving distribution grids, smart grids, distributed energy resources. In order to keep a connection with “real life”, a number of case studies are described.

TARGET: The course is aimed at providing a state-of-the-art overview of international standardization activity in main areas of modern electricity generation and distribution.

MAIN ARGUMENTS:

IEC TS 62898-1: Microgrids – Guidelines for microgrid projects planning and specification.
IEC TS 62898-2: Microgrids – Guidelines for operation.
Examples of installations.

TEACHING MATERIALS: slides prepared by speaker

FINAL CERTIFICATION:

AIS_ISA Certificate of Participation in the Course

To participate contact us at: summit@aisisa.it – 0039 02 54123816

SPEAKER PROFILE:



Giuseppe Dell'Olio graduated in Electrical Engineering in the Engineering School of Rome in 1991. He joined ENEL (then Italian electricity authority) in 1993, and was first involved in the design of high voltage electric lines. He was later assigned to designing and building high voltage electric substations, particularly as to the electric protection devices, to the control circuitry and to the auxiliary services.

He joined GSE (Italian agency for subsidizing energy efficiency and renewable energy production) in 2005. Since then, his interests include:

- Gas turbines for combined heat and power production (CHP or cogeneration plants);
- Gas-fuelled internal combustion engines;
- Smart grids and microgrids;
- Smart metering applied to natural gas, electricity, heat;
- Energy efficiency in industry and buildings;
- District heating and district cooling;
- Distributed Energy Resources (DER);
- Criteria for connecting new plants and substations to the electric grid, mainly renewable energy plants. He has taken part to the drafting of CEI Standard 11-32, edition 2000.
- Telecommunication systems for controlling users connected to the electric grid.
- Automation devices for voltage and frequency control on the electric grid;
- Measures for limiting flicker, harmonic distortion etc. on the electric grid;
- Quality of voltage made available to users of an electric grid.

On these topics he has published a number of scientific papers accepted in international meetings or in technical journals, as well as five books.

He takes part, as teacher, to educational seminars on many of the above.

Since 2010 he has been cooperating, as a lecturer on several topics, with the EFER (Renewables and Energy Efficiency) post graduate master course organized by "La Sapienza" University of Rome.

He is a member of CEI (Italian electrotechnical committee) CENELEC (European Electrotechnical Committee for Standardization) and of IEC (International Electrotechnical Commission).

In 2017 he was awarded the "1906 Award" by the International Electrotechnical Commission (IEC) for the publication of a Technical Specification (IEC TS 62786)