General Information

PESS is an IEEE PES Germany Chapter conference for students in the field of Power and Energy. It serves as an opportunity to introduce students to the procedures and experiences of a typical scientific conference. It also provides a platform for students to publish outstanding scientific research. All submitted papers will be reviewed by various experts.

The Conference main topics include, but are not limited to:

• Big Data analysis

• Cyber security

• Communication infrastructure

• Grid modelling/ Digital Twins

• Use of artificial intelligence in power systems

• Diagnostic of grid components

• New components for decarbonized power systems and decarbonized industries

• Smart Cities

• Smart Meter

• Sector coupling and multi-energy systems (power-to-X)

• Forecasting of DER and Loads

• DER integration

• Integration of energy storages

• State Estimation of Distribution grids

• Grid planning strategies (Distribution and transmission grid)

• HVDC/hybrids power systems and micro grids

• Inverter based grids

• Grid security technologies and resilience

• Power quality

• Electricity market, policy and regulatory aspect