

# IEEE POWER AND ENERGY STUDENT SUMMIT (PESS) 2023

## Call for Papers

### 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 best papers and presentations will be awarded with prizes and all presenters of accepted papers will receive a certificate of participation.

The PESS 2023 will be held from **Nov. 15<sup>th</sup> to 17<sup>th</sup>** and hosted by Fachhochschule Bielefeld. Accepted and presented papers will be published in IEEE Xplore. Student authors will be able to attend the conference for free. Further Information can be found [here](#).

### Submission guide:

Please use the official [IEEE Manuscript Template for Conference Proceedings](#). The paper should be written in English and should be between 4-6 pages. Papers can be submitted via [Easy Chair](#).

### 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

### Important Dates:

Start Call for Papers: 13.03.2023

Notification of acceptance: 15.08.2023

Deadline Call for Papers: **16.06.2023**

Conference date: 15-17.11.2023