



Power and Energy Society: The History and The Future

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Organised by:



**The IEEE PES
Student Branch**

The University of Manchester



History of IEEE

- 1884: Formation of American Institute of Electrical Engineers (AIEE)
- 1912: Formation of the Institute of Radio Engineers (IRE)
- 1963: Merger of AIEE and IRE into Institute of Electrical and Electronic Engineers, or **IEEE**



IEEE Topics

Power, Energy and
Industry
Applications

Communication,
Networking and
Broadcast
Technologies

Computing and
Processing

Bioengineering

Nuclear
Engineering

Components,
Circuits, Devices
and Systems

Signal Processing
and Analysis

Robotic and
Control Systems

Transportation

Impact of IEEE

The world's largest professional association for the advancement of technology

- More than 419,000 members in more than 160 countries
- More than 124,000 Student members
- 39 technical Societies (PES is one of them)
- Publishes approximately 200 transactions, journals, and magazines
- More than 1,900 annual technical conferences
- Over 1,300 standards and more than 600 standards under development (PES is credited with over 40%)
-

IEEE Power and Energy Society (PES)

PES is established in 1970. The oldest society in the IEEE.

“The Power & Energy Society (PES) provides the world's largest forum for sharing the latest technological developments in the electric power industry, for developing standards that guide the development and construction of equipment and systems, and for educating members of the industry and the general public.”



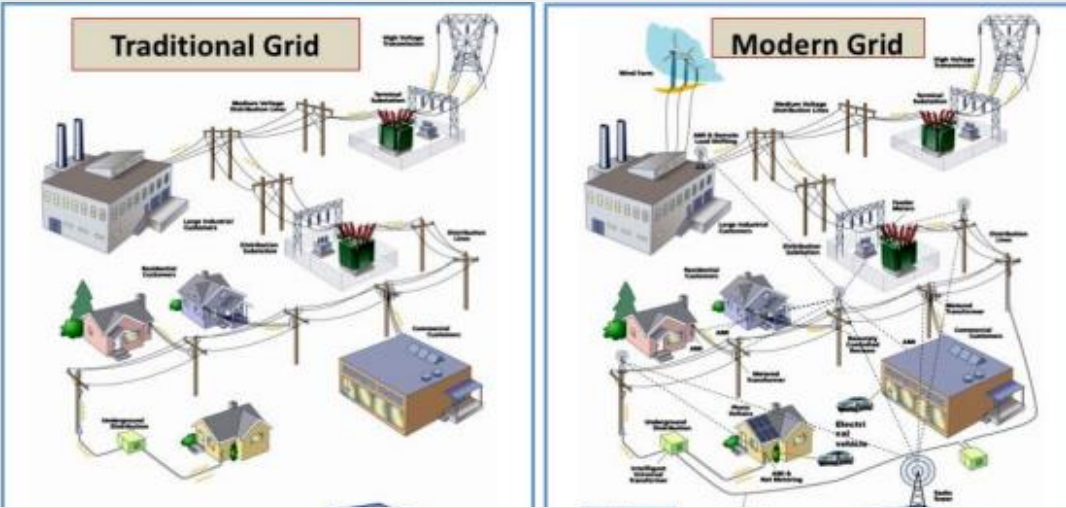
More Power to the Future—Challenges



Integration of Renewables



Weather Hazards



New Grid Codes

More Power to the Future—Role of PES



Further Information

PES Official Website:

<https://www.ieee-pes.org/>

PES History:

<https://www.ieee-pes.org/about-pes/history>