

Energy Development and Power Generation Committee (EDPG)

Who We Are

The Energy Development and Power Generation Committee operates within the IEEE Power & Energy Society. We focus on systems and facilities for conversion of energy sources such as solar, wind, hydro, nuclear, chemical, fossil, and others into electrical energy. We explore power generation impacts on the environment, conservation, regulation, economics, safety, and security. We look into the energy development opportunities of multi-energy systems and microgrids. We communicate about the interaction between power generation and society through standards, recommended practices, guidelines, policies, position papers, and technical conferences.

Committee Scope

Our subcommittees and working groups explore a wide range of topics including:

- International Practices on Power Source Integration
- Microgrid Implementation & Applications
- Global Laboratory Infrastructures for Distributed Energy Research
- Distributed Battery Systems
- Isolated & Remote Power Systems
- Standard Harmonization for Hydroelectric Power Plants
- Excitation Systems & Controls Standards (IEEE 421 Series Standards)
- Energy-Water Nexus

Subcommittees

- Distributed Energy Resources
- International Practices
- Renewable Technologies
- Wind and Solar Power Plant Interconnection & Design
- Hydroelectric Power
- Station Design, Operation & Control
- Excitation Systems & Controls
- Technologies for GHG Mitigation & Adaptation

Join Us!

Join us for a meeting and get involved! Anyone interested in learning more about power generation and helping advance the Committee's work is welcome to attend. Join industry and academic experts to discuss and develop the future of energy conversion into electric power. We welcome new perspectives and participation at the committee, subcommittee, and working group levels.

