

PowerTech

M A D R I D 2 0 2 1

POWER FOR THE SUSTAINABLE DEVELOPMENT GOALS

JUNE 27TH - JULY 2ND 2021, MADRID, SPAIN



CALL FOR PAPERS

On behalf of the International Steering Committee and the Local Organizing Committee, we invite you to attend the **14th IEEE PowerTech 2021** co-sponsored by IEEE Power & Energy Society (PES) and Comillas Pontifical University.

PowerTech is the anchor conference of the IEEE PES in Europe and provides a forum for researchers and engineers involved in electric power and energy engineering to share ideas and results. Both industry and academia are heartily welcomed to strengthen their collaboration and lead the innovation in the energy world.

The conference main topics include:

SYSTEM OPERATION AND CONTROL

- Planning and operation of low carbon power systems
- Modelling, analysis and operation of hybrid AC and DC transmission and distribution systems
- Power quality and electromagnetic compatibility issues and mitigation techniques
- Low inertia power system dynamics, stability, and control
- Network modelling, protection, and security
- Advanced diagnostic and monitoring techniques
- Electromagnetic transients and HV technique

DATA SCIENCE AND ICT IN POWER TECHNOLOGIES

- Big data analysis for power systems
- Data and computational intelligence in power technologies
- Sensors, communications networks, and advanced metering infrastructure
- Cyber and physical security systems and data acquisition, processing, and management
- State estimation and situational awareness
- Co-simulation of Electric Energy Systems and ICT Systems

ENERGY GRIDS SUPPORTING DECARBONIZATION

- Smart grids for smart cities
- Smart and multi-carrier energy networks
- Network planning and operation of highly decentralized systems
- Network regulation to support decarbonization
- Microgrids and aggregators
- Exploitation of electric vehicles and low-carbon transportation
- Forecasting, modelling and management of load and REs
- Energy storage technologies and applications

ACHIEVING SUSTAINABLE DEVELOPMENT GOALS

- New technologies in power industry
- Supporting energy system decarbonization policies
- Power markets design for low carbon economies
- Prices and tariffs for active consumers
- Affordable and universal energy access

Important dates

Deadline for full paper submission:

October 15th, 2020

Final extension until Nov 30th, 2020

Authors notified of acceptance:

January 31st, 2021

Final manuscripts submission:

March 31st, 2021