

2020 IEEE International Conference on Power System Technology (POWERCON 2020)



IEEE Power & Energy Society (IEEE PES) and Chinese Society for Electrical Engineering (CSEE) co-initiated the POWERCON brand and started the biennial conference in 1998 in Beijing, China. IEEE PES Bangalore Chapter is pleased to host the IEEE PES POWERCON 2020 in Bangalore, the Silicon Valley of India, during 13-16 September 2020.

Objectives:

The conference aims to discuss the “Transformations in Power Grids: Producers to Prosumers”. Bulk power systems across the world are transforming at a rapid pace with the phenomenal advances in computing, communication and data sciences. The organizing committee invites papers from all the traditional areas of power engineering with special emphasis on the following themes

1. Grid Transformation

- Technologies for enhancing conventional generation Plants
- Cross Border interconnections
- Renewable resource dominated grids
- Hybrid power plants
- Ultra-High Voltage AC/DC technologies
- Grid level storage technologies and applications
- Unification of Markets from Producers to Prosumers

2. E-Mobility

- Storage technologies
- Drivetrains and electric machines for EVs
- Impact of EVs on distribution grids
- Grid ancillary services through EVs
- Charging infrastructure and analytics

3. Edge Computing, High Performance Computing and Cyber Security

- Computing architectures for power system analytics at the Edge
- Security awareness, algorithms and implementations
- High performance computing systems and solutions
- Security of legacy systems & devices.

4. Situational Awareness and Resilience

- WAMS implementation and analytics
- Data fusion for resilient systems: Weather, Water, transportation, agriculture etc...
- Preventive and corrective control of Blackouts.
- Futuristic technologies VR, AR, Big Data, drone surveillance etc.

The conference will have invited talks from **eminent speakers**, panel discussions, **technical paper presentations and poster sessions**. It will have multiple tracks on the broad objectives. Interested authors are requested to send the full paper in IEEE format. The topics are not limited to the listed topics. Any area relevant to power & energy systems which are not listed will also be considered.

Paper Deadlines	
December 10, 2019	Paper Submission Opens
March 10, 2020	Paper Submission Closes
June 10, 2020	Notification of Paper Acceptance
July 15, 2020	Camera Ready paper submission
Registration Details	
June 10, 2020	Early bird registration opens
August 10, 2020	Early bird Registration closes
Conference Calendar	
Sept 13, 2020	Tutorials
Sept 14, 2020	Opening key note address, parallel industry sessions, parallel paper presentation sessions
Sept 15, 2020	Parallel industry sessions, parallel paper presentation sessions
Sept 16, 2020	Parallel industry sessions, parallel paper presentation sessions

Submission Guidelines

Papers with a maximum length of 6 pages prepared as a PDF file in IEEE PES technical conference format can be submitted online on the conference website www.powercon2020.org. Instructions for preparing papers in IEEE PES technical conference format can be found at the IEEE PES website as well as on the conference website. The papers presented in the conference will be made available in IEEE Xplore.

Contact Details:

CONVENER
 IEEE PES POWERCON 2020
 IEEE PES Bangalore Chapter,
 No.5, 11th Cross, 2nd Stage, West of Chord Road,
 Bangalore – 560086. Karnataka, India
 Tel. +91 80 4245 5555
 E-mail: powercon2020@iisc.ac.in

PES Bangalore Chapter website:

www.ieeepebangalore.org