

APPEEC 2022

Towards Net Zero by 2050

Melbourne, Australia



IMPORTANT DATES

Paper submission opening

1st April 2022

Paper submission closing

1st July 2022

Notification of acceptance

1st September 2022

Final paper submission

1st October 2022

The 14th IEEE PES Asia-Pacific Power and Energy Engineering Conference 2022 (APPEEC) will be held on **20th to 23rd November 2022** in **Melbourne, Australia** (organised by IEEE PES Victorian chapter). The conference aims to create a knowledge sharing platform for researchers and industry professionals to present and discuss contemporary and emerging technologies. The conference will be conducted in hybrid mode, allowing both face-to-face and virtual presentations.

The conference invites researchers and industry professionals to submit new and original ideas on different aspects of power and energy engineering, which includes but not limited to the following topics:

- Artificial intelligence and machine learning for energy system applications
- Blockchain and transactive energy systems
- Blue and green hydrogen
- Data analytics and cyber security
- Demand response and demand side management
- Diagnostics, condition monitoring and asset management
- Distributed energy resources
- Energy efficiency
- Energy markets and policies
- Energy storages including battery storage systems
- Electrical machines and motor drives
- Electric vehicles
- Electrification of remote and rural applications
- FACTS and power electronics
- HVDC transmission systems
- Hydrogen fuel cells and hydrogen applications
- IoT and ICT for smart grid
- Medium and low voltage DC system
- Microgrids, community energy and virtual power plants
- Multi energy systems
- Power engineering education
- Power system dynamics, operation, and control
- Power system protection and quality
- Power system reliability
- Renewable energy integration
- Smart grid systems
- Technologies to address climate change

Authors are invited to submit papers no more than 6-pages in length in double column format in the standard [IEEE PES Conference template](#). The paper submission link will be available in the conference website. All submitted papers will be peer-reviewed by at least two reviewers. The accepted papers presented in the conference, will be submitted to IEEE Xplore Digital Library. Authors of presented papers will be eligible to submit an extended version to IEEE PES journals. **APPEEC2022 web link: <https://ieee-appeec.org/>**

Call for Special Sessions

SPECIAL SESSION DEADLINES

Proposal Submission

1st of March, 2022

Proposal Acceptance Notification

15th of March, 2022

Paper Submission

1st of July, 2022

Paper Acceptance Notification

1st of September, 2022

Final Paper Submission

1st of October, 2022

APPEEC 2022 will also feature a number of special sessions to highlight current challenges faced by the power and energy sector. Special Session proposal should be on a particular topic related to the theme of the conference. The topic should not be very wide or very narrow and must be covering contemporary issues related to power and energy sectors. It will be the responsibility of the special session organizer (s) to secure 6 accepted papers to run the session. The special session template can be downloaded from the conference homepage or you may get it directly from the special session Chair (s). You are welcome to submit the special session proposal to the special session Chair (s) listed below:

S M Muyeen sm.muyeen@qu.edu.qa

MD Rakibuzzaman Shah m.shah@federation.edu

Jiefeng Hu j.hu@federation.edu.au

Supported by

APPEEC 2022 Committee Members



Conference General Chair
Prof Syed Islam

Conference General Co-chairs
Prof Aman Maung Than Oo
A/Prof Jahangir Hossain
A/Prof Jiefeng Hu
Dr Md Enamul Haque
Prof SM Muyeen

Technical Program Chairs
Dr Kazi Hasan
Dr Md Rakibuzzaman Shah
A/Prof Nasser Hosseinzadeh
Dr Shama Naz Islam

Publication Chairs
Dr Ameen Gargoom
Dr Mohammad Taufiqul Arif

Webmaster
Dr Nabil Mohammed

Industry Chair
Dr Nishad Mendis

Hospitality Chair
Prof Akhtar Kalam

Sponsorship & Exhibition Chair
Alan Goodridge

WiE Chair
Dr Asma Aziz

Secretary
Dr Md Apel Mahmud

Treasurer
Dr Md Shihanur Rahman

Special Session Chairs
A/Prof Jiefeng Hu
Dr Md Rakibuzzaman Shah
Prof SM Muyeen

Tutorial Chairs
Dr Mohsen Khorasany
Dr Reza Razzaghi

Call for Industry Presentations



INDUSTRY PRESENTATION DEADLINES

Abstracts and bio due
1st September 2022

Notification of
acceptance
1st October 2022

APPEEC 2022 will host a range of industry presentations on different aspects of power and energy systems. Industry professionals are invited to deliver technical presentations on latest technology, findings from technical case studies and real-world insights for a diverse range of audiences from the energy sector. Industry presentations will be co-located with APPEEC 2022 industry day sessions, which will be scheduled on 22nd November. The industry day sessions will include industry keynote speeches, industry roundtables and women in power events. These sessions will help the industry day participants to network with peers from the energy sector and develop new relationships and businesses.

Industry speakers will have the opportunity to access APPEEC 2022 technical sessions along with lunch, morning/afternoon tea through a one day registration. Academic speakers interested in a presentation only submission, can also present in the industry day given their presentations address an industry focused problem. Interested speakers are invited to submit an abstract (100 words) and biography (100 words) to the technical program chair Dr. Shama Islam (shama.i@deakin.edu.au). The topics of interest are specified in page 1 of this call for papers, however, any other relevant topic on power and energy sector are also welcome. The industry presentations will not be included in IEEE Xplore.

For any questions or inquiries, please contact

Dr Shama Islam shama.i@deakin.edu.au
Dr Md Enamul Haque enamul.haque@deakin.edu.au

APPEEC2022 web link: <https://ieee-appeec.org/>