

# APPEEC 2021

13th IEEE PES Asia-Pacific Power &  
Energy Engineering Conference (APPEEC)

Conference  
Dates  
21-23  
November  
2021

# APPEEC 2021

IEEE PES Asia-Pacific  
Power & Energy Engineering Conference (APPEEC)

**Virtual Conference**

21-23 November 2021

Organized by Power & Energy Society Chapter IEEE Kerala Section

ALL DEADLINES HAVE BEEN EXTENDED

Paper Submission:

**30 June 2021**

Notification of Acceptance:

**15 August 2021**

Camera Ready Paper:

**15 September 2021**

Registration rates slashed by **20%** on account of pandemic situation.



[ieee-appeec.org](http://ieee-appeec.org)



[appeec2021@gmail.com](mailto:appeec2021@gmail.com)

Due to the prevailing pandemic situation, the conference is now made fully virtual

The 13th IEEE PES Asia-Pacific Power and Energy Engineering Conference 2021 (APPEEC 2021) will be hosted online by IEEE PES Kerala Chapter during 21-23 November 2021. The aim of the conference is to provide a premier platform for engineers and researchers to present their works and to share experiences and ideas in power and energy engineering with experts and scholars from around the world. The conference program will feature tutorial sessions, plenary sessions, technical paper presentations and technical exhibitions. Distinguished speakers will deliver keynote speeches and invited talks on emerging technologies in power and energy engineering. Attendees will have the opportunity to interface with experts from all related fields. Prospective authors are invited to submit manuscripts in English. Interested persons without paper are also invited to participate as attendees at the conference. Papers that are accepted and presented at the conference will be submitted to IEEE Xplore and will be included in IEEE Xplore digital library.

## Speakers include



**Saifur Rahman**  
Virginia Tech  
USA



**Dean Sharafi**  
Australian Energy  
Market Operator



**Tapan Saha**  
Queensland University  
Australia



**Bikash Pal**  
Imperial College  
London UK



**Sukumar Kamalasan**  
UNC Charlotte  
USA



**Sheldon Williamson**  
Ontario Tech  
Canada



**Deepak Mathur**  
Director, IEEE Region-10



**Surekha Deshmukh**  
Chair, IEEE PES India Council



Conference theme :

## Power and Energy for a Greener World

### Data Driven Approaches in Power Systems

AI and ML applications in power systems, Big data analytics in energy systems, Blockchain applications in smart grid, IoT Infrastructure for energy management in smart cities.

### Sustainability, Green Energy and, E-Mobility

Electric and hybrid vehicles, Energy efficient architecture and buildings, Lighting and illumination, Transportation electrification and charging infrastructure

### Energy Systems' Integration and Interconnection

Energy storage technologies FACTS, HVDC and pulsed power, Grid integration of distributed energy resources

### Dynamics and Control of Power/Energy Conversion Systems

Electrical machines and drives, Power System resilience, Modeling and control of power systems

### Power Systems Planning

Power and energy engineering- planning and management, Power engineering education, Economics of power generation. Power quality and electromagnetic compatibility

### Smart Grid/Microgrid Technologies

Advanced metering and protection systems, Smart grid technologies, Sustainable technologies for smart grids and micro-grids

# Technical Tracks

## Organising Committee

### General Chair

V K Damodaran

### Co-Chairs:

A G Hareendralal

Suresh Nair

Sarada Jayakrishnan

### Secretary

A Suhair

### Chair - Technical Program Committee

Bijuna Kunju K

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## Sponsorship Committee

Suresh Nair (Chair)

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## Publicity Committee

Muhammed Kasim S (Chair)

Prabin James (Co-chair)

### Chair - Women in Power/PES YP Track

Sobha Manakkal

### Logistics/Local Arrangements Committee

Anandhu S Kumar

Saran K S

Akshay Krishnan

### Convener

Boby Philip

## Registration Fee

### Category

Category	Indian Participants (in INR)*	Foreign Participants (in USD)*
In Advance-Society Member	4000	100
In Advance-IEEE Member	4600	115
In Advance-Non Member	6000	150
In Advance - Student Society Member	2000	50
In Advance - Student IEEE Member	2400	60
In Advance - Student Non Member	3000	75
In Advance -Life Member	2000	50
Regular-Society Member	4800	120
Regular-IEEE Member	5600	140
Regular -Non Member	7200	180
Regular -Student Society Member	2400	60
Regular-Student IEEE Member	2800	70
Regular-Student Non-member	3600	90
Regular -Life Member	2400	60
Non-Author Professionals	1000	25
Non-Author Students	500	15

\* Rates indicated are exclusive of taxes and payment service charge, which comes around 21% in total

## Advisory Committee

Frank C Lambert  
 Jessica J Bian  
 Saifur Rahman  
 Dean Sharafi  
 Mazana Armstrong  
 Bikash Pal  
 Vijay Vittal  
 Ramakrishna Kappagantu  
 Nirmal Nair  
 Nagaraja Ramappa  
 Surekha Deshmukh  
 Vivek Agarwal  
 Sanjib Kumar Panda  
 Vinod John  
 Abraham George  
 Rajasree M S  
 N S Pillai

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 IEEE PES President Elect  
 IEEE PES Past President  
 IEEE PES R-10 Representative  
 Member, IEEE PES Governing Board  
 Member, IEEE PES Governing Board  
 Member, IEEE PES Governing Board  
 IEEE PES DLP Co-ordinator  
 IEEE PES R-10 (West) Representative  
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 Professor, NUS Singapore  
 Professor, IISc Bengaluru  
 Professor, IIT Kharagpur  
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 NIT Patna  
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