APPEEC is an annual event organized by IEEE PES in Asia-Pacific Region. It aims to provide a premier platform for electrical engineers and scientists in universities, research centres and industry to present their work and to share experiences and ideas in the areas of power and energy systems.

Objectives:
The broad objective of the conference is:

- To discuss the challenges in creating smart energy infrastructure for Smart cities.
- To arrive at techniques and solutions for stable power supply and avoid major blackouts in the system considering the presence of micro grids, distributed generation and storage.
- To discuss the technical solutions that can be deployed rapidly and techno-commercially viable, enabling existing grids to accept power injections from all energy resources such as wind, solar, storage etc.
- To analyse infrastructure needs in smart cities with the focus on Electric vehicles.
- To analyze the feasibility of new products and services such as smart meter applications for energy usage monitoring, home automation systems, demand side management.
- To enhance the capabilities of the existing grid in accommodating distributed energy resources, which are intermittent in nature and will become more pervasive in the future.
- To discuss the co-existence of information, computing and telecommunication systems that enable businesses to utilize innovative service arrangements to improve their efficiency and enhance their services to customers.
- To ensure interoperability of automation and control arrangements of the evolving grid systems.

Speakers:
Invited talks from regulators, generation, transmission & distribution utilities, research institutions, academic institutions, power system operators, power system economists, renewable energy developers, manufacturers & consultants, Information technology supply, consulting & technology companies, smart energy infrastructure hardware and communication related supply, consulting and technology companies will be part of the event.

Paper Deadlines
- July 31, 2017: Deadline for full paper submission
- Aug 31, 2017: Notification of full paper acceptance
- Sep 30, 2017: Camera ready paper submission

Registration Details
- April 20, 2017: Early bird registration opens
- Sept 20, 2017: Author registration and early bird registration closes

Conference Calendar
- Nov 8, 2017: Tutorials
- Nov 9, 2017: Keynote addresses, Industry sessions / Panel discussions, Paper presentations
- Nov 10, 2017: Industry sessions/Panel discussions, Paper presentations
- Nov 11, 2017: Technical/Social site visits
Topics for Discussions:
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.

Power Generation and Transmission
• PMU and wide area measurement applications in transmission system
• Grid security, privacy and resilience
• Power electronics applications in intelligent grid
• Emerging business models for utilities
• Smart initiatives in large renewable generation integration and operation
• Renewable energy forecast and scheduling
• Smart initiatives in the planning, operation, control and protection of large interconnected systems.
• Emerging trends in the grid operation and control

Power Distribution
• Plug and play technology requirement to integrate renewable resources
• Smart energy systems to enable smart cities
• Distribution automation
• Microgrid
• Demand response
• Wireless broadband opportunities in the smart home
• Wireless opportunities for utilities
• Distributed generation
• Electric vehicles and the grid
• Energy storage and the grid
• Smart metering issues & protocol
• Technological trends in distribution infrastructure
• Emerging smart home applications & home energy management
• Efficient lighting and HVAC systems
• Distribution system reliability in smart grid/smart city environment

General
• Road ahead for smart and intelligent grid
• Communication infrastructure
• Advanced metering and automation technology
• Key technologies like integrated communication, sensing and measurement, advanced components, improved interface and decision, advanced control.
• Industry Standards and Interoperability
• Utility Success Stories
• Regulatory issues
• Best practices – global perspectives
• Cyber security
• Cloud computing and big data analytics in power and energy systems
• Power system economics and techno-commercial aspects

Registration Details

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<tr>
<th>Category</th>
<th>Conference + Tutorial</th>
<th>Conference in INR</th>
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<td>Early bird registration (till 30th September 2017)</td>
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<td>IEEE PES Member</td>
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Note: In order to encourage participation of students in IEEE PES conferences, Power and Energy Society is awarding IEEE PES students members with quality papers, up to 50% discount on conference registration fee and assistance with travel and accommodation expenses. Please refer to conference website for more details.

Contact Details:
CONVENER
APPEEC 2017
IEEE PES Bangalore Chapter,
No. 5, 11th Cross, 2nd Stage, West of Chord Road,
Bangalore – 560086, Karnataka, India
Mobile: +91 7760477597
E-mail: pesbangalorechapter@gmail.com

PES Bangalore Chapter website:
www.ieee-pesbangalore.org

Conference website:
www.ieee-appeec2017.org

Organized by IEEE Power & Energy Society in association with IEEE PES Bangalore Chapter
For more information visit conference website: www.ieee-appeec2017.org
Schedule
Please visit conference website for latest updates on schedules.

Sponsor / Support Options

Main Supporter : Pls. contact sponsorship committee
Platinum Supporter : INR. 10,00,000/-
Diamond Supporter : INR. 8,00,000/-
Gold Supporter : INR. 5,00,000/-
Silver Supporter : INR. 3,00,000/-

Note: Main supporter, Platinum supporters and Diamond supporters will have an opportunity to display their products during the conference.

Conference Dinner: Please contact sponsorship committee

Note: Conference Dinner supporter will have an opportunity to present about their company prior to the start of cultural events.

Tutorial Supporter (4 Tutorials planned) : Rs. 2,50,000/- each

Other support activities available

Note: No restrictions on the number of Platinum/Diamond/Gold/Silver supporters.

Supporter Benefits (All Categories)

- Acknowledgment of patronage as Main/Platinum/Diamond/Gold/Silver supporter during the opening and closing programs of the conference, as well as display of the company's logo on the projection screen during breaks.
- Mention on conference website: The company's logo including a link to the company's webpage will be available on “Supporters” link.
- Complimentary full registrations to the event (Tutorial and Conference):
  - Main & Dinner : 10 registrations
  - Platinum : 8 registrations
  - Diamond : 6 registrations
  - Gold : 4 registrations
  - Silver : 2 registrations

Additional Benefits by Support Level

Main Supporter
- Distribution of one piece of marketing material and/or promotional item to be delivered to the event's participants.
- Logo appearing in location - pointing signs to be placed inside the conference venue.
- Exclusive 3'x2' table display facility to promote company's catalogues.

Platinum Supporter
- Distribution of one piece of marketing material and/or promotional item to be delivered to the event's participants.
- Logo appearing in location-pointing signs to be placed inside the conference venue.
- Exclusive 3'x2' table display facility to promote company's catalogues.

Diamond Supporter
- Distribution of one piece of marketing material and/or promotional item to be delivered to the event's participants.
- Logo appearing in location - pointing signs to be placed inside the conference venue.

Gold Supporter
- Distribution of one piece of marketing material and/or promotional item to be delivered to the event's participants.

Venue
Le Méridien,
28, Sankey Road
(Opposite to Bangalore Golf Club),
Vasanth Nagar,Bangalore-560052
Karnataka, INDIA

About IEEE PES
The Power & Energy Society (PES) provides the world’s largest forum for sharing the latest in technological developments in the electric power industry, for developing standards that guide the development and construction of equipment and systems, and for educating members of the industry and the public. Members of the Power & Energy Society are leaders in this field, and they - and their employers - derive substantial benefits by associating with this unique and outstanding association.

Know more @ http://www.ieee-pes.org/about-pes

About IEEE PES, Bangalore Chapter
IEEE Power & Energy Society, Chapter of Bangalore was inaugurated on the 11th of April 2007. It is one of the most active chapters, conducting various international and national level symposiums, workshops & technical talks. The society has worked towards creating a forum comprising of all the stakeholders in the electrical power industry and academia, who are committed to solving the challenges in the area of electrical power sector through innovative solutions.

The society has successfully conducted several national and international tutorials & workshops on various innovative technologies.

Know more @ http://www.ieee-pesbangalore.org
Bangalore at a glance
Bangalore is known as the Silicon Valley of India because of its position as the nation's leading IT exporter.
Know more @ http://en.wikipedia.org/wiki/Bangalore

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Conference Co-Chair & Convener
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Chair, IEEE PES Bangalore Chapter, ABB, Bangalore.
sethuraman.ganesan.in@ieee.org

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