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14th Edition
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Power & Energy Society



3rd Edition
World Utility SummitTM
20-21 January 2020
Delhi NCR, India

VENUE
India Exposition Mart Ltd.
Greater Noida, Uttar Pradesh, INDIA

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Utility Next

VISION

Create a global forum where the world utility leaders continually engage in dialogue and exchange information.

MISSION

To ensure that the world utilities anticipate and address change together.



Mr. Manjit Singh Sethi
Convener WUS 2020



Mr. Vikram Gandotra
Chair WUS 2020



Dr. Kannan Tinnium
Co-Chair WUS 2020



Mr Vikram Gandotra
Convener
World Utility Summit 2018, India



Dr Jasper Wieck
Deputy Chief of Mission (DCM) and
Head, Department for Economic and
Global Affairs, German Embassy,
New Delhi



Dr Saifur Rahman
President, IEEE Power and
Energy Society, USA



Dr Neil Chatterjee
Commissioner, Federal Electricity
Regulatory Commission

STRATEGIC PARTNERS



IEEMA is the first ISO certified industry association in India, with 800+ member organisations encompassing the complete value chain in power generation, transmission and distribution equipment. Its membership base ranges from public sector enterprises, multinational companies to small, medium and large companies. IEEMA members have contributed to more than 90% of the power equipment installed in India.

Know more @ www.ieema.org



ELECARAMA is the flagship showcase of the Indian Electrical Industry ecosystem and the largest congregation of power sector ecosystem in the geography. ELECARAMA brings together the complete spectrum of solutions that powers the planet from source to socket and everything in between. Featuring not just equipment & technology, but peerless thought leadership platforms for everything electric from technical conclaves to industry summits.

Know more @ www.elecrama.com



IEEE, an association dedicated to advancing innovation and technological excellence for the benefit of humanity, is the world's largest technical professional society. It is designed to serve professionals involved in all aspects of the electrical, electronic, and computing fields and related areas of science and technology that underlie modern civilization.

Know more @ www.ieee.org



Power & Energy Society*

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 general public. Members of the Power & Energy Society are leaders in this field, and they and their employers derive substantial benefits from involvement with this unique and outstanding association.

Know more @ www.ieee-pes.org

SUCCESS STORY OF LAST TWO EDITIONS OF WUS

WORLD UTILITY SUMMIT™ 2016 UTILITY 2.0

- 25 Countries
- 150 Delegates
- 70+ Organizations

WORLD UTILITY SUMMIT™ 2018 UTILITIES OF UTILITY

- 50+ Countries
- 300+ Delegates
- 150+ Organizations





THE THEME

The theme of the World Utility Summit, WUS 2020 is "Utility Next". The electricity eco system is undergoing an unprecedented transformation with the proliferation of renewables, distributed generation resources and electric vehicles on one side and consumer activism and regulatory pressures on the other. Developing countries are also facing these challenges in addition to their ongoing activities to provide universal 24x7 power supply. Moreover, as many of the consumers of electricity become prosumers, the electricity eco system would change radically and new market entrants would emerge. There is an immediate need for utilities to evaluate how the provision and consumption of energy services would happen in the future.

This summit would bring in thought leaders across the globe to deliberate the preparedness of utilities to deal with the transformational changes. Regulators, technology providers, consultants, government bodies and utility leaders are expected to share their views on the various challenging and exciting scenarios and help shape the roadmap of the future utilities.

SUMMIT TRACKS

MARKET ENABLERS

With the emergence of distributed generation resources and availability of multiple electricity providers in today's era, consumers have variety of options to meet their changing energy demands. At the same time, future of the electricity ecosystem will include higher penetration of next generation technologies like renewables, energy storage, electric vehicles and digitization.

The role of utilities would need to be repurposed to prepare for the future. What will the customer portfolio of utilities look like? What will be future expectations of the consumers from the utility and how will the utilities need to transform themselves to meet them? How will the utility markets evolve? These are some intriguing questions that will be addressed in this track.

REVENUE SECURITY

Utilities get their revenues primarily via billing the customers for their demand and energy usage. New eco systems, with multiple options for consumers to meet their electricity demand, will pose stiff competition to the utilities. How can the investments made by the utilities be safeguarded? How can utilities ensure they are resilient to the transformational changes in the electricity eco system? What are the key learnings from similar experiences? This track will cover the latest developments on the upkeep of the financial health of the utilities, learning across the globe and develop a strategy for a resilient utility.

GRID TRANSFORMATION - RENEWABLES AND ELECTRIC VEHICLES

Renewables and electric vehicles are being promoted across the globe for variety of reasons. These technologies will transform the power grids in an unprecedented way. Renewables introduce high intermittency in generation capacity. High intermittency leads to underutilized transmission infrastructure, increased impact on grid operations and increase need for flexible generation sources. Increasing penetration of electric vehicles will require major upgradation of infrastructure and new business models. New approaches need to be explored to ensure smooth and effective integration of these technologies with the power grids. This track will cover the case studies globally and deliberate the technology considerations and best practices to manage the network.

ENABLING TECHNOLOGIES - DIGITALIZATION & CYBERSECURITY

With the abundance of critical data in power systems coupled with remote access, operating the system securely without compromising system availability and data privacy is a major concern. Cyber security threats are increasing day-by-day and there is continued need to develop mitigation technologies and solutions to make the power equipment/devices, control systems, communication and operations more secure. Today, many concepts like user and devices authentication, data encryption, communication robustness, defense-in-depth, malware protection, whitelisting, system hardening, monitoring and analytics are used by the stakeholders to address cyber security issues effectively. All the stakeholders including equipment/device vendors, system integrators, owners/operators of system, government agencies and technology experts have a role to play in making the power operation and delivery secure. This track will cover the latest development and share best practices in this space.

POLICY & STANDARDS

With the changing dynamics of the electricity ecosystem, policies & standards become extremely critical to ensure the technical, financial and business viability for all the stakeholders. There is a need to have a robust policy, especially in the areas of distributed generation, renewables, electric vehicles and energy storage. Consumers should be made aware of the changing scenarios and engage them in the decision process. It is imperative that all the stakeholders in the future utility eco system should support the evolving regulatory standards and ensure seamless transition. Environmental aspects also have to be considered. This track will share the views of various leaders driving policy and standards to ensure that the key interests of all the stakeholders are safeguarded.

ENERGY STORAGE

Energy storage has a versatile role in to play in operating grids and providing value to all the stakeholders. This includes balancing demand and supply, regulating frequency, managing renewables and providing autonomy for consumers. Energy storage will also play a very important role in achieving full potential of new and upcoming technologies. This track will cover the latest developments in technologies, new business models, grid dynamics, learnings from pilot demonstrations and operational considerations associated with these technologies.

SPONSORSHIP DETAILS

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- Complimentary registration to the event

PLATINUM	8 DELEGATES
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- A post-event one-day free workshop will be conducted for all platinum and diamond category supporting utilities from India in their premises on a mutually convenient date (all expenses towards the workshop arrangements shall be borne by the sponsor)



3rd Edition

World Utility Summit™

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REGISTRATION

Participation in the conference is open to all. The registration is facilitated on the World Utility Summit Website: www.worldutilitysummit.org

FEE DETAILS

CATEGORY	INTERNATIONAL DELEGATES (USD)	INDIAN DELEGATES (INR)
IEEE / IEEMA MEMBER	200	1,200
NON IEEE / IEEMA MEMBER	250	15,000
UTILITIES	125	7,500

*Conversion rate: 1USD = INR 60

**All the rates mentioned above are exclusive of taxes

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