

# 2019 IEEE PES Innovative Smart Grid Technologies Asia (ISGT ASIA 2019)



May 21-24 , 2019 || Chengdu || China

## IEEE PES ISGT ASIA 2019

Smart Grid Links Future

<http://sites.ieee.org/isgt-asia-2019>

### Call for Papers

2019 IEEE Innovative Smart Grid Technologies - Asia (ISGT ASIA 2019), sponsored by the IEEE Power & Energy Society (PES), will be held from **21-24 May 2019** in **Jinjiang Hotel, Chengdu, China**. The IEEE PES ISGT Asia 2019 conference will be a melting pot of participants from academia, industry, research and development organizations, electric power utilities, power and energy sector service providers to discuss, share and exchange ideas related to state-of-the-art innovations in smart grid technologies for the future grid. The theme of this year's conference is "**Smart Grid Links Future**" and includes keynote speeches, panel sessions, special sessions, mini-symposiums, tutorials, papers and poster presentation.

With several technical streams spread over 4 days there will be plenty of opportunities for you to showcase your work in front of professionals in the smart grid sector at this hugely popular, one of a kind conference.

#### Conference Topics:

The conference organizing committee invites contributions in all areas related to smart grid technologies, including (but not limited to) the following:

##### 1. Grid Operation and Management

Smart grid planning, forecasting, operation, stability, reliability, grid dynamics management, T&D interface issues and solutions, Grid modelling, Real-time simulation, Co-simulation, fault diagnostics and self-healing, active distribution network operation and management

##### 2. Computational Intelligence Applications, Information and Communication Technologies (ICT), and Cyber-Security

Computational Intelligence Applications in Smart Grid Algorithms for modeling, control and optimization, roles of ICT in smart grids, smart metering, data acquisition and monitoring, sensor networks, Information and communication protocols and standards, big data analytics, data management, and cyber security

##### 3. Renewable Generation and Distributed Energy Resources Integration

Generation and demand forecasting and prediction, demand side management, grid integration of

distributed energy resources, impacts of renewables on energy markets and prices, stability and power quality issues, system planning/operation with higher DER penetration, safe disconnection, islanded systems, grid connected energy storage systems and their control, electric vehicle charging technologies and its impact in grid operation

#### 4. Power Electronics and Control and Protection systems for Smart Grids

Smart grid protection solutions, optimal integration of Plug-in electric vehicle, power electronic interface for smart grid operation and control, power system monitoring, control, protection, situational awareness and control, Smart micro-grids and nano-grids

#### 5. Emerging Technologies and End-user Systems

DC Microgrids and Nanogrids networks, smart buildings, smart home automation and energy management, smart cities solutions, sustainable energy technologies and challenges, Stakeholder's opportunities and risks, customer side systems, user behavior and flexible demand, energy prices both wholesale and retail

#### 6. Electricity Market, Innovative Business Mechanism, Policy/Regulatory Aspects

Regulatory aspects, policies, standards, electricity market mechanics, design and business models, economic impact on energy marker price, Agent-based market modelling, decision making under uncertainty, smart grid awareness

#### Important Dates:

Regular Paper submission deadline: ~~30 January 2019~~  
(Extended to: 28 February 2019)

Regular Paper decision notification: Before 30 March 2019

Final Paper submission deadline: 15 April 2019

Early Bird registration: Before 10 April 2019

Student Support Applications: Before 10 April 2019

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Conference Host:

