

IEEE I&CPS Asia 2021

JULY 18–21, 2021 | CHENGDU, CHINA

2021 IEEE IAS Industrial and Commercial Power System Asia

Sponsored by IEEE, IEEE IAS, and organized by University of Electronic Science and Technology of China, 2nd IEEE Industrial & Commercial Power System Asia (IEEE I&CPS Asia 2021) Conference will be held during July 18–21, 2021 in Chengdu, China.

IEEE I&CPS Asia 2021 will focus on "Smart Energy Empowers Low Carbon Future". It aims to provide a high quality platform for researchers, practitioners, professionals, and students from all over the world to present their latest research findings, ideas, and applications in the related fields of Power Systems. Featured with keynote session, technical session, tutorial session and special session, IEEE I&CPS Asia 2021 will provide the delegates an unparalleled opportunity to exchange with qualified professionals and build future partnership.

The IEEE–IAS I&CPS Department invites you to submit papers for 2nd IEEE I&CPS Asia Conference.



Special Session on

Special Session Introduction

Forecasting Technology and Application of Power System Enabling Large-scale New Energy Integration

With the aim of carbon-neutral target in 2060, the efficient and reliable application of renewable energy has drawn increasingly more attention in both industrial and academic societies. One of the typical features of power system is the growing integration scale of renewable energy including wind and solar. However, the randomness, fluctuation and intermittence of renewable power output has brought much challenge to power system with respect to reliable and efficient operation. To solve the above problem, novel forecasting technology and algorithm should be one of the most crucial ways. Hence appropriated forecasting approach becomes more and more critical to coordinate the operation and planning of new energy power systems to enhance the energy efficiency and reduce the carbon emission as an integrated system. The increasing forecasting technology demand shall not only be met through power system operation and planning, but also provide flexibility and reliability to support the integration of intermittent renewable power generation. Meanwhile, the power system shall address the opportunities and needs for the integration of large scale renewable energy and related emerging technologies.

IMPORTANT DATES

Submission Deadline	May 01, 2021
Notification Deadline	June 01, 2021

SPECIAL SESSION ORGANIZERS

Dr. Ming Yang	Shandong University, myang@sdu.edu.cn
Dr. Jie Sh	University of Jinan, sps_shij@ujn.edu.cn

TECHNICAL OUTLINE OF THE SESSION

This special session focuses on the forecasting technology and application of power output or load in power system when integrated large scale new energy. The objective of this special session is to explore the development and practice of forecasting algorithm based on large-scale new energy integration to power system, so as to push the research process to obtain achievements in this area. Topics of interest include (but not limit to): integrated or distributed generation power output forecasting of intermittent renewable energy (e.g.: wind power and photovoltaic power), load forecasting of power system considering large-scale new energy integration, probabilistic forecasting theory development and approach of new energy power system, application of new energy power system forecasting, and other emerging technologies that enable reliable integration of renewable energy along with efficient dispatch of new energy power system as needed.

PAPER SUBMISSION

Paper Submission link:

<https://easychair.org/my/conference?conf=ieeeicpsaisa2021>

Up to 50% of the accepted papers will be eligible for IAS journal review and all of the accepted papers are needed for presentation at IEEE I&CPS Asia 2021 by authors.

All submissions should be written in English with a maximum paper length of six (6) printed pages including figures and references without incurring additional page charges (maximum 4 additional pages with over-length page charge for an additional fee, if accepted) in the standard IEEE two-column conference format.

PUBLICATION

Accepted full papers of IEEE I&CPS Asia 2021 will be published in conference proceedings by IEEE, submitted to IEEE Xplore, and indexed by EI and Scopus.

Excellent papers will be recommended for review by IEEE Trans on Industry Applications (proportion can reach up to 50%), or recommended to Global Energy Interconnection.

CONTACT DETAIL

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