

# IEEE I&CPS ASIA 2023 SPECIAL SESSION ON

## Renewable Power Forecast Accuracy Improvement Technology and Its Application

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IEEE I&CPS  
—Asia 2023—

2023 IEEE IAS Industrial and Commercial Power System Asia Conference

July 7–9, 2023 | Chongqing, China

### CONFERENCE INTRODUCTION

Sponsored by IEEE, IEEE IAS, organized by Chongqing University, China Electrotechnical Society, co-organized by University of Electronic Science and Technology of China, Shandong University, North China Electric Power University, Supported by Global Energy Interconnection and DeCarbon. 2023 IEEE IAS Industrial and Commercial Power System Asia (IEEE I&CPS Asia 2023) Conference will be held during July 7–9, 2023 in Chongqing, China.

### SPECIAL SESSION ON

#### Session Title: Renewable Power Forecast Accuracy Improvement Technology and Its Application

Special Session Organizer: Bo Wang, Electric Power Meteorological Simulation and Application Technology Research Department, Renewable Energy Research Center, China Electric Power Research Institute, Beijing, China

Jie Shi, the University of Jinan

Abstract: The proportion of renewable power generation in the power system is gradually increasing. Accurate renewable power forecast can weaken the impact of its strong volatility and high uncertainty on the economic operation of power system. The traditional single static forecast model is no longer suitable for the current complex and changeable forecast scenarios. Multiple information integration, dynamic model combination, prediction error correction and other methods can further improve the accuracy of power prediction. This Special Session aims to improve the dynamic characteristics and accuracy of renewable power forecast.

For more details, please visit at <http://iee-icps.com/2023/ss009.html>

### PAPER SUBMISSION IMPORTANT DATES:

Submission Deadline: April 30, 2023

Notification Deadline: May 30, 2023

### PUBLICATION

Submissions to IEEE I&CPS 2023 will be peer reviewed on the basis of technical quality, relevance to conference topics, originality, significance, clarity, etc. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

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

### SUBMISSION REQUIREMENTS

- The submission has not been previously published, nor is it before another conference for consideration (or an explanation has been provided in Comments to the Director).
- Prospective authors should prepare a completed final manuscript following IEEE template, with titles and names, affiliations, addresses, and email of all co-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. The fee for the additional page can be seen here. Papers exceeding 10 pages will not be accepted.

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