

# IEEE I&CPS ASIA 2023 SPECIAL SESSION ON

## High-Quality Power Supply Technologies of Low-Carbon Distribution Systems

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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: High-Quality Power Supply Technologies of Low-Carbon Distribution Systems**

Special Session Organizer: Dr. Lu Zhang, China Agricultural University  
Dr. Bo Zhang, China Agricultural University



**Abstract:** Driven by the carbon-neutral target, large-scale of distributed flexibility resources will be integrated into the distribution system, including various types of renewable energies, energy storage systems, flexible loads, energy prosumers and flexible devices. Constructing an innovative low-carbon distribution system with flexibility resources is crucial in realizing the carbon neutrality. However, the integration of large-scale flexibility resources also brings new challenges to the power supply reliability and operation control of distribution systems. Therefore, to deal with the risks caused by the flexibility resources and improve the power supply quality of low-carbon distribution systems, the issues in optimizing operation, stability analysis and advanced control of the low-carbon distribution systems should be paid major attention.

For more details, please visit at <http://iee-icps.com/2023/ss005.html>

### PAPER SUBMISSION IMPORTANT DATES:

Submission Deadline: April 15, 2023

Notification Deadline: May 15, 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.

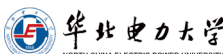
### SUBMISSION REQUIREMENTS

- 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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