

IEEE I&CPS ASIA 2023 SPECIAL SESSION ON

Resilience Enhancement Strategies for The
New-type Power System Resist Extreme Events

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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: Resilience Enhancement Strategies for The New-type Power System Resist Extreme Events

Special Session Organizer: Dr. Yichen Shen, Shanghai Jiao Tong University
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Abstract: In the new-type power system with renewable energy as the main power source, there are few power generation units (such as coal-fired and gas-fired power units) with strong support capacity, and the ability of the system to resist the impact of natural disasters is weak. In addition, a large number of advanced information equipment are used in the new-type power system, which is vulnerable to man-made attacks. The safe and reliable operation of the new-type power system will face severe challenges under natural disasters (such as typhoons, earthquakes, etc.) and man-made attacks (for example, cyber-physical attacks). Before disasters, optimal planning of generators, transmission, and distribution networks need to be considered on a long time scale, while hardening planning for power facilities should be employed on a short time scale. During disasters, it is necessary to improve the capacity to absorb energy released by disasters and the power supply capacity for important loads through preventive scheduling. After disasters, the system should have the rapid recovery ability to ensure the power supply for loads.

For more details, please visit at <http://iee-icps.com/2023/ss002.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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