



# ISESC 2024

CPSS & IEEE International Symposium on Energy Storage and Conversion

November 8–11, 2024 Xi'an, China

Call for Papers

## Honorary Chair

Dehong Xu, Zhejiang Univ.

## General Chair

Jinjun Liu, Xi'an Jiaotong Univ.

## Technical Program Chairs

Wuhua Li, Zhejiang Univ.

Kai Sun, Tsinghua Univ.

Jiabing Hu, Huazhong Univ. of Sci. and Tech.

Xiaoqiang Guo, Yanshan Univ.

Chris Mi, San Diego State University

Pedro Rodriguez, Luxembourg Institute of Science and Technology

Luiz Henrique Silva Colado Barreto, Federal University of Ceará

Fei Gao, University of Technology of Belfort-Montbeliard

Henry Chung, City Univ. of Hong Kong

Ningyi Dai, Univ. of Macau

Sanjib Panda, National Univ. of Singapore

Jung-Ik Ha, Seoul National Univ.

Junichi Itoh, Nagaoka Univ. of Tech.

Zeng Liu, Xi'an Jiaotong Univ.

Chushan Li, Zhejiang Univ.

## Tutorial Committee Chairs

Xinbo Ruan, Nanjing Univ. of Aeronautics and Astronautics

Pinjia Zhang, Tsinghua Univ.

Yijie Wang, Harbin Univ. of Tech.

## Industry Session Committee Chairs

Jinfa Zhang, Delta Electronics

Junming Zhang, Zhejiang Univ.

Yaojie Sun, Fudan Univ.

## Organization Committee Chair

Hao Ma, Zhejiang Univ.

## Global Submit Committee Chair

Xiaoming Yuan, Huazhong Univ. of Sci. and Tech.

## Special Activity Committee Chair

Xiong Du, Chongqing Univ.

## Local Committee Chair

Xu Yang, Xi'an Jiaotong Univ.

## Publications Committee Chair

Hao Ma, Zhejiang University

## Sponsored by



IEEE POWER ELECTRONICS SOCIETY  
Powering a Sustainable Future

China Power Supply Society  
IEEE Power Electronics Society

## Technical Sponsors

School of Electrical Engineering, Xi'an Jiaotong University

Shaanxi Power Supply Society

## Secretariat of ISESC 2024

Email: [isesc@cpss.org.cn](mailto:isesc@cpss.org.cn)

Phone: +86-22-83575728、27686709

Fax: +86-22-27687886

CPSS & IEEE International Symposium on Energy Storage and Conversion (ISESC) is an international symposium for presentation and discussion of the state-of-the-art in energy storage and power conversion systems. The ISESC 2024 is the first meeting of ISESC, which will be held in Xi'an, China, during November 8-11, 2024. 2024 China Power Electronics and Energy Conversion Congress & The 27th China Power Supply Society Conference and Exhibition will be held during the ISESC 2024.

The worldwide energy storage and conversion industry, research, and academia are cordially invited to participate in an array of presentations, tutorials, and social activities for the advancement of science, technology, engineering education, and fellowship. Technical interests of the symposium include, but are not limited to:

- **Advanced Battery Materials and their Preparation**
- **Battery Management system (BMS) for Battery Systems**
- **Power Conversion Techniques for Battery Systems**
- **Advanced Fuel Cell Materials and their Preparation**
- **Power Conversion Techniques for Fuel Cell Systems**
- **Green Hydrogen Generation and Applications**
- **Energy Management for Energy Storage Systems**
- **Reliability, Diagnosis, Prognosis and Protection of Energy Storage Systems**
- **Energy Storage and Conversion for Grid Applications**
- **Energy Storage and Conversion for Transportation applications**
- **Energy Storage and Conversion for Data and ICT applications**
- **Advanced Power-to-X Technologies and Applications**
- **Artificial Intelligence (AI) in Energy Storage and Conversion Systems**
- **Other Emerging Topics in Energy Storage and Conversion Systems**

## ■ Paper Submission

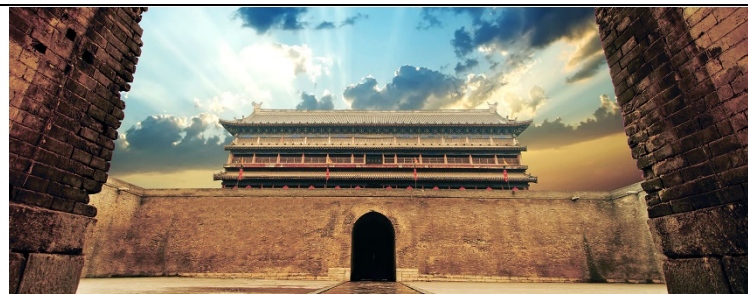
The working language of the symposium is English. Prospective authors are invited to electronically submit digests of their work in English (Maximum 6 pages in double space, in pdf format), following the instructions available on the website: <https://www.isesc-conf.com/>. The digest is a summary of your paper including the digest title, abstract, digest text and references.

Accepted and presented papers will be published in the symposium proceedings, and submitted to the IEEE Xplore on-line digital library and EI Compendex.

## ■ Important Deadlines

<b>Submission of digests</b>	<b>Jun. 30th, 2024 Jul. 22nd, 2024</b>
<b>Submission of Industry Session</b>	<b>Jul. 15th, 2024</b>
<b>Submission of Tutorial</b>	<b>Jul. 15th, 2024</b>
<b>Notification of paper acceptance</b>	<b>Aug. 15th, 2024</b>
<b>Submission of final papers</b>	<b>Sept. 15th, 2024</b>

For more information: [isesc-conf.com](https://www.isesc-conf.com)



## Welcome to Xi'an China

Xi'an is an ancient capital with a long history, boasting a long history and profound cultural heritage. It is a representative of the Chinese ancient capital and has a history of more than 3000 years.

Xi'an has many ancient monuments and famous attractions including Terracotta Warriors, the Big Wild Goose Pagoda, the Xi'an Bell and Drum Tower, Huaqing Pool and other famous sights. Xi'an is also known as the city of Chinese cuisine with all kinds of local delicacies. The most famous ones are Shanxi snacks, Rougamo, Steamed Mutton, Cold Rice Noodles, Oil Spill Noodles. Besides joining the activities of the symposium please plan your time to visit the city and enjoy the culture and local food.



## ■ More Participation Opportunities

### Tutorials

Several high-quality tutorials will be offered on Friday, November 8, 2024.

Prospective lecturers are invited to send a proposal before July 15, 2024 to the Tutorial Chair: Xinbo Ruan, on <https://jinshuju.net/f/erf3Rg>

The proposal should be including:

- Tutorial title
- Name, affiliation, and short bio(s) of the lecturer(s)
- Objectives and audience
- Synopsis

### Industry Session Presentations

In order to strengthen the cooperation among industries with academics, ISESC 2024 will arrange industry sessions during the symposium. Speakers are invited to make a presentation only without submitting a formal paper. These presentations will be included in the ISESC 2024 symposium proceeding. Each presentation should be limited within 30 minutes (25 minutes for presentation, plus 5 minutes for Q&A). We seek technical presentations rather than marketing-oriented talks.

Please submit the proposal before July 15, 2024 to <https://jinshuju.net/f/JW6evQ> including:

- Title of the presentation
- Summary of the presentation content
- Description of the target audience
- Short professional biography of the speaker

### Other wonderful content

- **Plenary Session:** Leading experts from academia, industry, and research institutes will be invited to share their insights on technology developments and future trends.
- **Other Events:** 2024 China Power Electronics and Energy Conversion Congress & The 27th China Power Supply Society Conference and Exhibition, the 10<sup>th</sup> Student Design Competition on Power Electronics, Award ceremony of CPSS Science and Technology Award, Young Professional forum, Power supply Engineer in Women forum will be held during the ISESC 2024.