



# IEEE PEAS 2023

The 2nd IEEE International Power Electronics and Application Symposium

November 10–13, 2023 Guangzhou, China

**Call for Papers**

## Honorary Chairs

Fred C. Lee, *Virginia Tech.*  
Dehong Xu, *Zhejiang Univ.*

## General Chairs

Jinjun Liu, *Xi'an Jiaotong Univ.*

## Technical Program Chairs

Wuhua Li, *Zhejiang Univ.*  
Henry Chung, *City Univ. of Hong Kong*  
Ningyi Dai, *Univ. of Macau*  
Junichi Itoh, *Nagaoka Univ. of Tech.*  
Ha, Jung-Ik, *Seoul National Univ.*  
Sanjib Panda, *National Univ. of Singapore*  
Srinivas Karanki, *India Inst. of Tech.*

*Bhubaneswar*

Kai Sun, *Tsinghua Univ.*  
Jiabing Hu, *Huazhong Univ. of Sci. and Tech.*  
Xiaoqiang Guo, *Yanshan 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

Bo Zhang, *South China Univ. of Tech.*

## Publications Committee Chair

Bo Zhang, *South China Univ. of Tech.*

## Sponsored by



China Power Supply Society  
IEEE Power Electronics Society

## Technical Sponsors

School of Electric Power Engineering, South China University of Technology  
Guangdong Power Supply Society

## Secretariat of PEAS 2023

Email: [peas@cpss.org.cn](mailto:peas@cpss.org.cn)  
Phone: +86-22-27686839, 83575728  
Fax: +86-22-27687886

Address: China Power Supply Society  
16th Floor, Datong Building, No.467 Huanghe Road, Nankai District, Tianjin, 300110, China

IEEE International Power Electronics and Application Symposium (PEAS) is an international symposium for presentation and discussion of the state-of-the-art in power electronics, energy conversion and its applications. The IEEE PEAS 2023 is the second meeting of PEAS, which will be held in Guangzhou, China, during November 10-13, 2023. 2023 China Power Electronics and Energy Conversion Congress & The 26th China Power Supply Society Conference and Exhibition will be held during the PEAS 2023.

The worldwide power electronic 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 DC/DC converters and Power Factor Correction Converters**
- **Advanced DC/AC Inverter Topologies, Modulations, and Controls**
- **Advanced Control, Modeling, Simulation, and Stability of Power Electronics Systems**
- **Advanced Power Devices (Si, SiC, GaN devices etc) and Their Applications**
- **Magnetics, EMI, Passive Integration and Digital Manufacture Technology**
- **Reliability, Diagnosis, Prognosis and Protection of Power Electronics**
- **Conversion and Control Technologies for Renewable Energy and Storage Systems**
- **Power Electronics for Transmission and Distribution**
- **Power Electronics for Motor Drives and Transportations**
- **Power Electronics for Converter Dominated Grid-Forming Power System**
- **Power Electronics for Wireless Power Transfer**
- **Power Electronics for Power ICs, Lighting, Consumer Electronics, ICT, Medical, IoT and Energy Harvesting etc.**
- **Power-to-X Technologies**
- **Big Data, Artificial Intelligence, and Security in Power Electronics Systems**
- **Other Invited Topics and Emerging Topics in Power Electronics**

## ■ 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: <http://peas.cpss.org.cn/>. 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

Submission of digests	<b>Jun. 30th, 2023</b> <b>Jul. 22nd, 2023</b>
Submission of Industry Session	<b>Jul. 15th, 2023</b> <b>Jul. 30th, 2023</b>
Submission of Tutorial	<b>Jul. 15th, 2023</b> <b>Jul. 30th, 2023</b>
Notification of paper acceptance	<b>Aug. 15th, 2023</b>
Submission of final papers	<b>Sept. 15th, 2023</b>

**For more information: [peas.cpss.org.cn](http://peas.cpss.org.cn)**



## Welcome to Guangzhou China

Guangzhou - the China's 3rd largest city- is locating in the southern China, Neighboring to Hong Kong and Macao. Since flowers here blossom all year round, Guangzhou is also called "City of Flowers"

It is a popular tourist destination, peculiar Lingnan custom & Overall China Central Plains folklore, Oriental tone & Western touch, Vin-tage & modern are all available. Canton Tower, Yuexiu Mountain Park, Shangxiajiu Pedestrian Street, Shamian Island and Museum of Nanyue King are waiting for your visit.

It is also honored as "the paradise of food" in China as its plenty of delicious foods. 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 10, 2023.

Prospective lecturers are invited to send a proposal before ~~July 15, 2023~~ **July 30, 2023** to the Tutorial Chair: Xinbo Ruan, on <https://jinshuju.net/f/PdTbJH>. 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, PEAS 2023 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 PEAS 2023 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, 2023~~ **July 30, 2023** to <https://jinshuju.net/f/BCsLJQ> 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:** 2023 China Power Electronics and Energy Conversion Congress & The 26th China Power Supply Society Conference and Exhibition, the 9<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 PEAS 2023.