



IEEE PEAC 2022

The 3rd IEEE International Power Electronics and Application Conference and Exposition

November 4–7, 2022 Guangzhou, China

www.peac-conf.org

Call for Papers

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Fred C. Lee, *Virginia Tech.*

Dehong Xu, *Zhejiang Univ.*

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Jinjun Liu, *Xi'an Jiaotong Univ.*

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Wuhua Li, *Zhejiang Univ.*

Tutorial Committee Chairs

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and Astronautics*

Pinjia Zhang, *Tsinghua Univ.*

Industry Session Committee Chairs

Jinfa Zhang, *Delta Electronics*

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IEEE International Power Electronics and Application Conference and Exposition (PEAC) is an international conference for presentation and discussion of the state-of-the-art in power electronics, energy conversion and its applications. The IEEE PEAC 2022 is the third meeting of PEAC, which will be held in Guangzhou, China, during November 4-7, 2022. 2022 China Power Electronics and Energy Conversion Congress & The 25th China Power Supply Society Conference and Exhibition will be held during the PEAC 2022. **Online option is available for overseas delegates and the authors from medium or high risk regions of COVID-19 in China.**

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

- **Switching Power Supply: DC/DC converter, Power Factor Correction converter**
- **Inverter and control: DC/AC Inverter, Modulation and Control**
- **Power Devices and applications: Si, SiC, and GaN devices**
- **Magnetics, Passive Integration, Magnetics for Wireless and EMI**
- **Control, Modeling, Simulation, System Stability and Reliability**
- **Conversion Technologies for Renewable Energy and Energy Saving**
- **Power Electronics for Transmission and Distribution**
- **Power Electronics for Electric Vehicles, Railway, Marine, Airplane etc.**
- **Power Electronics for Wireless Power Transfer**
- **Power Electronics for Lighting, Consumer Electronics and Power ICs**
- **Power Electronics for Data center, Telecom and Storages**
- **Others**

■ Paper Submission

The working language of the conference 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://www.peac-conf.org/>. 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 conference proceedings, and submitted to the IEEE Xplore on-line digital library and EI Compendex.

■ Important Deadlines

Submission of digests	July 5th, 2022 July 25th, 2022
Submission of Industry Session	July 15th, 2022 July 30th, 2022
Submission of Tutorial	July 30th, 2022
Notification of paper acceptance	Aug. 15th, 2022 Aug. 20th, 2022
Submission of final papers	Sept. 15th, 2022





Welcome to Guangzhou China

Guangzhou - the China's 3rd largest city- is located 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, Vintage & 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 conference 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 4, 2022.

Prospective lecturers are invited to send a proposal before July 30, 2022 to the Tutorial Chair: Xinbo Ruan, on <https://jinshuju.net/f/TUT1pi>

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, PEAC 2022 will arrange industry sessions during the conference. Speakers are invited to make a presentation only without submitting a formal paper. These presentations will be included in the PEAC 2022 conference 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, 2022 to <https://jinshuju.net/f/FnXzKA> 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.
- **Exhibition:** A limited number of booths will be available during the conference which will show the latest technologies, solutions, and products from industry.
- **Social Event:** Gala dinner with Chinese traditional performance will be included in the conference program.
- **Other Events:** 2022 China Power Electronics and Energy Conversion Congress & The 25th China Power Supply Society Conference and Exhibition, the 8th 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 PEAC 2022.

Theme Tracks & Chairs

- **Switching Power Supply: DC/DC converter, Power Factor Correction converter**
Chairs: Xinke Wu(China), Hongfei Wu(China), Lijun Hang(China), Haimeng Wu(UK), Guipeng Chen(China)
- **Inverter and control: DC/AC Inverter, Modulation and Control**
Chairs: Hongliang Wang(China), Jun Wang(USA), Fei Wang(China), Zhen Xie(China), Xiong Liu(China)
- **Power Devices and applications: Si, SiC, and GaN devices**
Chairs: Han Peng(China), Zheng Zeng(China), Xin Yang(China), Zhen Xin(China), Chao Yuan (China)
- **Magnetics, Passive Integration, Magnetics for Wireless and EMI**
Chairs: Hong Li(China), Dong Jiang(China), Wenjie Chen(China), Yangbin Zeng(China), Qiao Li(China)
- **Control, Modeling, Simulation, System Stability and Reliability**
Chairs: Xiaoqiang Guo(China), Yan Xu(Singapore), Zeng Liu(China), Yitong Li(UK), Hailiang Xu(China)
- **Conversion Technologies for Renewable Energy and Energy Saving**
Chairs: Zhengyu Lin(UK), Yongheng Yang(China), Xiaofeng Yang(China), Liansong Xiong(China), Fei Li(China)
- **Power Electronics for Transmission and Distribution**
Chairs: Kai Sun(China), Peng Li(UK), Jianzhong Xu(China), Chuang Liu(China), Binbin Li(China)
- **Power Electronics for Electric Vehicles, Railway, Marine, Airplane etc.**
Chairs: Wensheng Song(China), Chunhua Liu(Hongkong, China), Zhonggang Yin(China), Sheng Huang(China), Chengmin Li(Switzerland)
- **Power Electronics for Wireless Power Transfer**
Chairs: Wenxin Zhong(China), Xian Zhang(China), Yun Yang(Hongkong, China), Yiming Zhang(China), Minfan Fu(China)
- **Power Electronics for Lighting, Consumer Electronics and Power ICs**
Chairs: Xiaohui Qu(China), Sinan Li(Australia), Wanyuan Qu(China), Hailing Fu(UK), Zheng Dong(China)
- **Power Electronics for Data center, Telecom and Storages**
Chairs: Haoyu Wang(China), Quanming Luo(China), Rui Li(China), Meng Huang(China), Yueshi Guan(China)
- **Others**
Chairs: Xin Xiang(China), Chushan Li(China)

