



IEEE PEAC'2018

The 2nd IEEE International Power Electronics and Application Conference and Exposition

November 4–7, 2018 Shenzhen, China

www.peac-conf.org

Honorary Chair

Fred C. Lee, *Virginia Tech.*

General Chairs

Dehong Xu, *Zhejiang Univ.*

Alan Mantooth, *Univ. of Arkansas*

Technical Program Chairs

Hao Ma, *Zhejiang Univ.*

Frede Blaabjerg, *Aalborg Univ.*

Toshihisa Shimizu, *Tokyo Metropolitan Univ.*

Jaeho Choi, *Chungbuk National Univ.*

Yen Shin Lai, *National Taipei Tech.*

Michael Chi Kong Tse, *Hong Kong Polytechnic Univ.*

International Steering Committee Chairs

Don Tan, *Northrop Grumman*

Braham Ferreira, *Delft Univ. of Tech.*

Dianguo Xu, *Harbin Inst. of Tech.*

Hirofumi Akagi, *Tokyo Inst. of Tech.*

National Steering Committee Chairs

An Luo, *Human Univ.*

Zhengming Zhao, *Tsinghua Univ.*

Xiangning He, *Zhejiang Univ.*

Invited Session Committee Chair

Jinjun Liu, *Xi an Jiaotong Univ.*

Tutorial Committee Chairs

Xinbo Ruan, *Nanjing Univ. of Aeronautics and Astronautics*

Sewan Choi, *Seoul National Univ. of Sci. and Tech.*

Yunwei Li, *Univ. of Alberta*

Industry Session Committee Chairs

Jinfa Zhang, *Delta Electronics*

Stephen Oliver, *Navitas Semiconductor*

Tatsuhiko Fujihira, *Fuji Electric*

Tianhao Tang, *Shanghai Maritime Univ.*

Publications Committee Chair

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

Sponsored by

China Power Supply Society
IEEE Power Electronics Society



Technically sponsored by

Power Sources Manufacturers Association
Korean Institute of Power Electronics
IEEJ Industry Applications Society
National Natural Science Foundation of China

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'2018 the second meeting of PEAC, which will be held in Shenzhen, China, during November 4-7, 2018.

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 Lighting and Consumer Electronics**
- **Power Electronics for Data center and Telecom**

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

~~May 30th, 2018~~ **June 15th, 2018**

Submission of tutorial proposals

June 30th, 2018

Notification of paper acceptance

July 15th, 2018

Submission of final papers

Aug. 30th, 2018

Secretariat of PEAC'2018

Email: peac@cpss.org.cn

Phone: +86-22-87574852 Fax: +86-22-27687886

Address: China Power Supply Society

16th Floor, Datong Building, No.467 Huanghe Road, Nankai District, Tianjin, 300110, China



Welcome to Shenzhen China

Shenzhen is a coastal city in South China, situated immediately north of Hong Kong. The city has a subtropical marine climate with plenty of sunshine and is rich in tropical fruit.

It is a popular tourist destination renowned for pleasant seashore, well-preserved forests, and various theme parks such as Dameisha Beach, Xichong Beach, China Folk Culture Village, Window of the World, Ecoventure Valley, Tea Stream Resort Valley theme parks.

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 Sunday, November 4, 2018.

Prospective lecturers are invited to send a proposal before June 30, 2018 to the Tutorial Chair: Xinbo Ruan, ruanxb@nuaa.edu.cn

The proposal should be sent to: ruanxb@nuaa.edu.cn



IEEE PEAC'2018

International Steering Committee Members

Carlo Cecati, <i>Università degli Studi dell'Aquila</i>	Tsorng-Juu Liang, <i>National Cheng-Kung Univ.</i>	David J. Perreault, <i>Massachusetts Inst. of Tech.</i>
Liuchen Chang, <i>Univ. of New Brunswick</i>	Yanfei Liu, <i>Queens Univ.</i>	Norbert Pluschke, <i>Semikron</i>
Prasad Enjeti, <i>Texas A&M Univ.</i>	Jinjun Liu, <i>Xi'an Jiaotong Univ.</i>	John Shen, <i>Illinois Inst. of Tech.</i>
Tatsuhiko Fujihira, <i>Fuji Electric Co., Ltd.</i>	Leo Lorenz, <i>Infineon Technologies</i>	Kuang Sheng, <i>Zhejiang Univ.</i>
Alex Huang, <i>the Univ. of Texas at Austin</i>	Udaya K. Madawala, <i>the Univ. of Auckland</i>	Masahito Shoyama, <i>Kyushu Univ.</i>
Gerard Hurley, <i>National Univ. of Ireland, Galway</i>	Gourab Majumdar, <i>Mitsubishi Electric Corp.</i>	Keyue Ma Smedly, <i>Univ. of California, Irvine</i>
Adrian Ioinovici, <i>Sun Yat-sen Univ.</i>	Dragan Maksimovic, <i>Univ. of Colorado</i>	Seung-Ki Sul, <i>Seoul National Univ.</i>
Thomas Jahns, <i>Univ. of Wisconsin-Madison</i>	Eisuke Masada, <i>Railway Technical Research Inst.</i>	Jian Sun, <i>Rensselaer Polytechnic Inst.</i>
Praveen K. Jain, <i>Queen's Univ.</i>	Kouki Matsuse, <i>Meiji Univ.</i>	Paolo Tenti, <i>Univ. of Padova</i>
Rajashekara Kaushik, <i>Univ. of Texas at Dallas</i>	Paolo Mattavelli, <i>Univ. of Padova</i>	Fei Fred Wang, <i>Univ. of Tennessee</i>
J. W. Kolar, <i>ETH Zurich</i>	Sudip K. Mazumder, <i>Univ. of Illinois, Chicago</i>	Bin Wu, <i>Ryerson Univ.</i>
Philip T. Krein, <i>ZJU-UIUC Inst.</i>	Chris Mi, <i>San Diego State Univ.</i>	Tsai-Fu Wu, <i>National Tsing Hua Univ.</i>
Fujio Kurokawa, <i>Nagasaki Univ.</i>	Yasuyuki Nishida, <i>Chiba Inst. of Tech.</i>	Geng Yang, <i>Tsinghua Univ.</i>
Jason Lai, <i>Virginia Tech.</i>	Ching-Tsai Pan, <i>National Tsing Hua Univ.</i>	Qingchang Zhong, <i>Illinois Inst. of Tech.</i>
Helen Li, <i>Florida State Univ.</i>	Fangzheng Peng, <i>Michigan State Univ.</i>	Zhiqiang Zhu, <i>Sheffield Univ.</i>

National Steering Committee Members

Wei Chen, <i>Fuzhou Univ.</i>	Zhengyu Lv, <i>Zhejiang Univ.</i>	Xiaoming Zha, <i>Wuhan Univ.</i>
Jianguo Jiang, <i>Shanghai Jiaotong Univ.</i>	Tianhao Tang, <i>Shanghai Maritime Univ.</i>	Chenghui Zhang, <i>Shandong Univ.</i>
Yong Kang, <i>Huazhong Univ. of Sci. & Tech.</i>	Cong Wang, <i>China Univ. of Mining Tech.</i>	Chunjiang Zhang, <i>Yanshan Univ.</i>
Yaohua Li, <i>Inst. of Electrical Eng. of the Chinese Acad. of Sci.</i>	Ping Wang, <i>Tianjin Univ.</i>	Dairun Zhang, <i>Sichuan Univ.</i>
Yongdong Li, <i>Tsinghua Univ.</i>	Shaojun Xie, <i>Nanjing Univ. of Aeronautics and Astronautics</i>	Weiping Zhang, <i>Beijing Univ. of Tech.</i>
Xiaosheng Liu, <i>Harbin Inst. of Tech.</i>	Jianping Xu, <i>Southwest Jiaotong Univ.</i>	Xing Zhang, <i>Hefei Univ. of Tech.</i>
Yimin Lu, <i>Guangxi Univ.</i>	Xu Yang, <i>Xi'an Jiaotong Univ.</i>	Trillion Q Zheng, <i>Beijing Jiaotong Univ.</i>
		Yanru Zhong, <i>Xi'an Univ. of Tech.</i>

Technical Program Committee Members

Kan Akatsu, <i>Shibaura Inst. of Tech.</i>	Jean-Frederic Charpentier, <i>French Navil Acedemy</i>	Zhe Chen, <i>Aalborg Univ.</i>
A. Alexandrovitz, <i>Technion-Israel Inst. of Tech.</i>	Alian Chen, <i>Shandong Univ.</i>	Minjie Chen, <i>Princeton Univ.</i>
Abdualah Aljankawey, <i>Univ. of New Brunswick</i>	Guozhu Chen, <i>Zhejiang Univ.</i>	Yandong Chen, <i>Hunan Univ.</i>
Juan Carlos Balda, <i>Univ. of Arkansas</i>	Hao Chen, <i>China Univ. of Mining & Tech.</i>	Huang-Jen Chiu, <i>National Taiwan Univ. of Sci. and Tech.</i>
Ivo Barbi, <i>Univ. Fed De Santa Catarina</i>	Wu Chen, <i>Southeast Univ.</i>	Sewan Choi, <i>Seoul National Univ. of Sci. and Tech.</i>
Mohamed Benbouzid, <i>Universite de Bretagne Occidentale</i>	Yaow-Ming Chen, <i>National Taiwan Univ.</i>	

