



TEXAS A&M  
UNIVERSITY at QATAR

## 12th International Conference on Compatibility, Power Electronics and Power Engineering

# IEEE

# CPE-POWERENG 2018

10-12 April 2018  
Doha, Qatar

[www.cpe-powereng2018.org](http://www.cpe-powereng2018.org)

Call For Papers

### Conference Overview

CPE-POWERENG is an important conference of the IEEE Industrial Electronics Society (IES) devoted to the dissemination of new ideas, research and works in progress within the fields of power generation, transmission and distribution, power electronics, renewable energy integration, power systems electro-mechanical energy conversion, automation and EMI issues. The objectives of the conference are to provide high quality research and professional interactions for the advancement of science, technology and fellowship. The main features of the conference include Invited Talks, Regular Sessions, Special Sessions, Student & Young Professionals Forum. The world's industry, research, and academia are cordially invited to participate in an array of presentations, Special Sessions, Student & Young Professionals Forum and enjoy the wonderful city of Doha — the pearl of Arabian Gulf known for its beauty, history and hospitality.

### Regular Sessions

The technical topics for the regular sessions include, but are not limited to the topics under the following topics:

- Power Generation, Transmission and Distribution
- Power Electronics & Applications
- Smart Grid Technologies & Applications
- Electrical Machines & Drives
- Renewable Energy & Energy Storage Technologies
- Transportation Electrification
- EMI and EMC Issues
- Education in Power and Electrical Engineering

### Special Sessions

The conference will include Special Sessions on highly specialized topic areas reporting technical trends and breakthroughs within the scope of the conference. Special Sessions are organized at the initiative of one or more individuals, who must adhere to specific procedures published on the conference website.

### Student & Young Professionals Activities Program

The forum offers activities and opportunities for engineering students and recent graduates (young professionals) to present their R&D work in Industrial Electronics, and to help them develop networking connections. See more information on IES electronics channels.

### Paper Submission

Prospective authors are invited to electronically submit full papers in English, 6 pages, in pdf format following instructions accessible via [www.cpe-powereng2018.org](http://www.cpe-powereng2018.org). Accepted and presented papers will be submitted for inclusion in the IEEE Xplore online digital library and EI Compendex database. In addition, authors of selected papers may be called upon to resubmit extended versions of their papers or consideration of publication in the IEEE Transactions on Industrial Electronics and IEEE Transactions on Industrial Informatics.

### Preliminary Venue

The conference will be held at Hilton Doha Hotel, which is located in the heart of the city. Its location makes possible to visit the city by walking.

### Important dates

Paper submission: 1st January 2018 (Firm Deadline)

Notification of acceptance: 20th January, 2018

Submission of final version: 2nd March 2018

# Conference Organizing Committee

## Honorary Chair

**H.E. Eng. Essa bin Hilal Al-Kuwari**, President of Qatar General Electricity and Water Corporation (KAHRAMAA), Qatar

## General Chair

**Haitham Abu-Rub**, Texas A&M University at Qatar, Qatar

## General Co-Chairs

**Mariusz Malinowski**, Warsaw University of Technology, Poland

**Jose I. Leon**, Universidad de Seville, Spain

**Sertac Bayhan**, Texas A&M University at Qatar, Qatar

## Technical Program Chairs

**Atif Iqbal**, Qatar University, Qatar

**Ebrahim Babaei**, University of Tabriz, Iran

**Sheldon Williamson**, University of Ontario, Canada

**Vanja Ambrozic**, University of Ljubljana, Slovenia

## Special Session Chairs

**Ahmed Massoud**, Qatar University, Qatar

**Marco Rivera**, Universidad de Talca, Chile

## Publicity Chairs

**Antonio Sanfilippo**, Qatar Environment and Energy Research Institute, Qatar

**Antonio Luque**, University of Seville, Spain

**Chandan Chakraborty**, Indian Institute of Technology, India

**Dmitri Vinnikov**, Tallinn University of Technology, Estonia

## Steering Committee

**AbdulAziz Ahmad Al-Mahmoud**, Qatar General Electricity & Water Corporation (KAHRAMAA), Qatar

**Adel Gastli**, Qatar University, Qatar

**Ali Ghrayeb**, Texas A&M University at Qatar, Qatar

**Ayten Bayhan**, Texas A&M University at Qatar, Qatar

**Islam Safak Bayram**, Qatar Environment and Energy Research Institute, Qatar

**Lazhar ben Brahim**, Qatar University, Qatar

**Mohamed Trabelsi**, Texas A&M University at Qatar, Qatar

**Mohamed Abdallah**, Hamad Bin Khalifa University, Qatar

**Nasser Al-Emadi**, Qatar University, Qatar

**Omar Ellabban**, Iberdrola QSTP LLC, Qatar

**Panagiotis Kakosimos**, Texas A&M University at Qatar, Qatar

**Shady Khalil**, Texas A&M University at Qatar, Qatar

**Shehab Ahmed**, Texas A&M University at Qatar, Qatar

**Tariq Masood**, Qatar Petroleum, Qatar

## International Advisory Board

**Abdellah Kouzou**, Djelfa University, Algeria

**Abdullah K. Alqallaf**, Kuwait University, Kuwait

**Armando Pires**, Escola Superior de Tecnologia de Setúbal, Portugal

**Amer Al Hinai**, Sultan Qaboos University, Oman

**Akshay Kumar Rathore**, Concordia University, Canada

**Ali Emadi**, McMaster University, Canada

**Ali Zolait**, University of Bahrain, Bahrain

**Babak Fahimi**, University of Texas at Dallas, USA

**Bimal K. Bose**, University of Tennessee, USA

**Bin Wu**, Ryerson University, Canada

**Bulent Ertan**, Middle East Technical University, Turkey

**Carlo Cecati**, University of L'Aquila, Italy

**Chandan Chakraborty**, IIT Kharagpur, India

**Ebrahim Babaei**, University of Tabriz, Iran

**Fei Gao**, Université de Technologie de Belfort-Montbéliard, France

**Frede Blaabjerg**, Aalborg University, Denmark

**Habib ur Rehman**, American University of Sharjah, UAE

**Hadi Kanaan**, Saint-Joseph University of Beirut, Beirut

**Hasan Komurcugil**, Eastern Mediterranean University, Cyprus

**Hamid Toliyat**, Texas A&M University, USA

**Ires Iskender**, Gazi University, Turkey

**Jan Mucko**, UTP University of Science and Technology, Poland

**Jaroslav Guziński**, Gdańsk University of Technology, Poland

**Joachim Holtz**, Wuppertal University, Germany

**Joao Martins**, Universidade Nova de Lisboa, Portugal

**Jose Rodriguez**, Universidad Tecnica Federico Santa Maria, Chile

**Kamal Al-Haddad**, École de Technologie Supérieure, Canada

**Leopoldo Franquelo**, Universidad de Sevilla, Spain

**M. Timur Aydemir**, Gazi University, Turkey

**Marco Liserre**, Christian-Albrechts-Universität zu Kiel, Germany

**Marcelo Perez**, Universidad Tecnica Federico Santa Maria, Chile

**Marek Jasinski**, Warsaw University of Technology, Poland

**Marian Kazmierkowski**, Warsaw University of Technology, Poland

**Maria Teresa Outeiro**, Polytechnic Institute of Coimbra, Portugal

**Mohammad Shadmand**, Kansas State University, USA

**Okyay Kaynak**, Bogazici University, Turkey

**Ramazan Bayindir**, Gazi University, Turkey

**Robert Balog**, Texas A&M University at Qatar, Qatar

**Ryszard Strzelecki**, Electrotechnical Institute in Warsaw, Poland

**Saifur Rahman**, Virginia Tech, USA

**Samir Kouro**, Universidad Tecnica Federico Santa Maria, Chile

**Sevki Demirbas**, Gazi University, Turkey

**Vitor Pires**, Escola Superior de Tecnologia de Setúbal, Portugal

**Yousef Ibrahim**, Federation University Australia, Australia

**Zbigniew Krzemiński**, Gdańsk University of Technology, Poland

## Organizers



## Partners

