



IEEE ENERGY CONVERSION CONGRESS & EXPO BALTIMORE, MD ▲ SEPT. 29 - OCT. 3

## IMPORTANT DATES

**January 15, 2019**

Digest submission

**May 1, 2019**

Author notification

**June 30, 2019**

Final papers with IEEE copyright forms

# Call for Papers



### General Chair

Yan-Fei Liu

Queen's University, Canada

### ECCE 2019 Technical Program Co-Chairs

Brad Lehman

Northeastern University, USA

Bulent Sarlioglu

University of Wisconsin-Madison, USA

Yilmaz Sozer

University of Akron, USA

Jian Sun

Rensselaer Polytechnic Institute, USA

The Eleventh Annual IEEE Energy Conversion Congress and Exposition (ECCE 2019) will be held in Baltimore, Maryland, USA on September 29 - October 3, 2019. ECCE is a pivotal international event on energy conversion. ECCE 2019 will feature both industry-driven and application-oriented technical sessions, as well as expositions. The conference will bring together practicing engineers, researchers and other professionals for interactive and multidisciplinary discussions on the latest advances in various areas related to energy conversion.

Technical papers are solicited on any subject pertaining to the scope of the conference that includes, but is not limited to, the following major topics:

### Energy Conversion Systems and Applications

- ▶ Renewable and alternative energy
- ▶ Smart grids, micro-grids, and utility applications
- ▶ Electrical energy storage
- ▶ Energy conversion for Information Technology and communication systems
- ▶ Energy harvesting
- ▶ Energy efficiency for residential, commercial and industrial applications
- ▶ Wireless power transfer (WPT)
- ▶ Lighting applications and displays
- ▶ Transportation electrification
- ▶ High power/voltage power conversion
- ▶ High voltage isolation and lightning strike protection

### Component, Converter and Subsystem Technologies

- ▶ Power electronic devices (Si and wide band-gap) and applications
- ▶ Power conversion topologies, modulation, and control
- ▶ Modeling and control of components, converters and systems
- ▶ Rotating/linear electro-mechanical devices and drive systems
- ▶ Passive components and materials
- ▶ Power electronic packaging, integration, and advanced manufacturing
- ▶ Reliability, diagnostics, prognostics, and health management
- ▶ EMI and EMC
- ▶ Thermal management, advanced cooling technologies

**Digests Submission:** Prospective authors are requested to submit a digest no longer than five (5) pages, single column, single spaced, that summarizes the proposed paper. The digest should include key equations, figures, tables and references as appropriate, but no author names or affiliations. **Digests not conforming to these requirements will be rejected without review.** The digests must clearly state the objectives of the work, its significance in advancing the state of the art, and the methods and specific results in sufficient detail. All digests will go through a double-blind peer review process to ensure confidentiality and fair review. Please refer to the conference website for a detailed list of technical topics and the digest submission method. **Questions can be directed TPC chairs by email at [ecce2019tpc@gmail.com](mailto:ecce2019tpc@gmail.com).**

[www.ieee-ecce.org/2019](http://www.ieee-ecce.org/2019)