



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

## IMPORTANT DATES

**February 17, 2019**

Submission of completed one-page Tutorial Proposal Form

**March 27, 2019**

Notification of acceptance.

**June 30, 2019**

Full Tutorial materials due

## Call for Tutorials



### General Chair

Yan-Fei Liu

Queen's University, Canada

### ECCE 2019 Technical Program Co-Chairs

Brad Lehman

Northeastern University, USA

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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. The conference will bring together practicing engineers, researchers and other professionals for interactive discussions on the latest advances in various areas related to energy conversion. ECCE has grown to become the foremost technical conference and exposition for people looking for energy conversion solutions; solutions that are timely, practical, customer focused, market sensitive, and cost effective. Engineers from throughout the energy conversion industry's broad spectrum come to ECCE specifically to take advantage of the concentrated brain trust assembled annually in one very special location to do business in a convivial and innovative atmosphere, a perfect blend of state of the art technical prowess and commercial opportunities under one roof.

The ECCE organizing committee invites proposals for half-day tutorials to be presented on Sunday, September 29, 2019. The organizing committee is particularly interested in tutorials that are of value to the practicing engineer, with an emphasis on solutions to practical problems. Tutorials are solicited on any subject pertaining to the scope of the conference that includes, but is not limited to, the major topics listed below.

### 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

Tutorials accepted for presentation will receive one conference registration together with an honorarium for \$1000. Note that publication of a technical paper at the conference will still require a full paid registration.

**Tutorial Proposal Submission Guidelines:** Tutorial proposals should be submitted as a digest summarizing the content of the tutorial. **Please follow the attached tutorial proposal form as the tutorial submission guideline.** to: [ecce2019tpc@gmail.com](mailto:ecce2019tpc@gmail.com).

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

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