



# IEEE GREENTECH 2017

9<sup>th</sup> Annual IEEE Green Technologies Conference

29-31 March 2017

Denver, Colorado

[IEEEGreenTech.org](http://IEEEGreenTech.org)

*"The IEEE Green Technologies Conference continues to bring together scientists, researchers and practitioners from around the world to develop realistic solutions to the current energy crisis, and to reduce carbon emissions and greenhouse gas emissions. The conference features two days of technical presentations, representing the cutting edge of clean energy research, development, and demonstration. This international conference convenes attendees from China, Taiwan, Japan, India, France, Germany, Italy, Canada and all over the United States - universities, industry, government and national laboratories. Although the conference smaller than some IEEE events, it certainly did not lack diversity, creativity and the overwhelming enthusiasm of attendees and presenters."*

– IEEE-USA Today's Engineer

## Full Day Energy Workshop

Wednesday, March 29<sup>th</sup>

### Distributed Energy Resources - Understanding the Current Challenges and Opportunities - NREL

Distributed energy resources (DER) are widely distributed geographically and are intermittent in nature, thus they are difficult to control and dispatch like the more traditional sources of generation. Large electrical power networks have historically been designed using centralized power generating stations supplying customer loads over interconnected transmission and distribution networks. Increasing the penetration level of distributed renewable energy sources requires adjustments to the existing operating procedure and design philosophy of large-scale power systems.

## Industry Tour

Wednesday, March 29<sup>th</sup>

### National Renewable Energy Lab (NREL) Facility Tour

Tour of the NREL campus and affiliated sites including Energy System Integration Facility (ESIF) & National Wind Technology Center (NWTC).

## Discussion Panels, Keynotes, and More

Thursday/Friday, March 30<sup>th</sup> & 31<sup>st</sup>

### Keynote Presentation

Martin Keller, Ph.D. - Director National Renewable Energy Laboratory

Samuel F. Baldwin - Office of Energy Efficiency and Renewable Energy - US Department of Energy

### Discussion Panels

- Renewable Power Generation, Transmission, and Distribution
- Grid Security
- Big Data Analytics for Power Systems
- Microgrids
- Distributed Control

### Multi-Track Paper Presentations

## Full Day Continuing Education Training

Friday, March 31<sup>st</sup>

### 2017 NESC® Code Changes

The 2017 NESC® Changes Seminar is an 8 hour seminar focusing on the major changes in the 2017 edition of the National Electrical Safety Code® (NESC®). The seminar is sponsored by the IEEE Region 5 Continuing Education Committee. The seminar covers in detail the major changes to the NESC® 2017 Edition along with application examples. This seminar also provides a general overview of each part of the code and time for participant questions. **A certificate of attendance for this 8 Hour Continuing Education Seminar will be issued to those present.**

Volunteers wanted! Participate at <http://ieeegreentech.org/volunteer-here>

