



IEEE-IAS INDUSTRY APPLICATIONS SOCIETY (BALTIMORE)

# MEETING



The Institute of Electrical and Electronic Engineers - Industry Applications Society are pleased to announce the upcoming Dinner Meeting. Information regarding the meeting is as follows:

## **Baltimore Electrical Expo**

**Date: Wednesday, May 17<sup>th</sup>. 2017**

**Place: Hilton BWI Airport Hotel**

**1739 West Nursery Road**

**Linthicum, Maryland 21090**

**Time: 12:00 – 1:15 Seminar Session #1**

**1:20 – 2:35 Seminar Session #2**

**2:45 – 4:00 Seminar Session #3**

**Place:** Hilton BWI Airport Hotel Linthicum, MD 21090 The IEEE/IAS Baltimore Electrical Expo will be a special two-part event hosted by the Baltimore chapter IEEE/IAS in lieu of our traditional May tour. The afternoon session will consist of three technical seminars geared towards engineers. After the seminars are concluded, a special trade show will be conducted where local vendors can present products and services to local engineers and contractors. Catered buffet and refreshments will be served. The expo will serve as the primary fundraising event for the Baltimore IEEE/IAS. The Baltimore IEEE/IAS supports engineering scholarships to local college students and partially subsidizes monthly dinner meetings throughout the year. If you would be interested in attending the seminar or the expo, refer to the following cost and sign-up information

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### **Seminars will be limited to the first 50 applicants**

**Session #1: from 12:00 – 1:15 pm will be taught by Marty Schumacher**

**Topic Includes:** 2017 NEC updates presented by Marty Schumacher with MS Electrical Training

**Speaker:** Marty Schumacher is a master electrician and worked the last 27 years for Howard County as an electrical inspector and senior plans examiner. Marty is the President of M.S. Electrical Training, LLC and trains over 1000 attendees each year on electrical code and electrical safety. Some of his clients include NASA/Goddard, NIH, University of MD, Eaton, Briggs and Stratton, GE Aviation, Johns Hopkins Applied Physics Lab, IAEI and many more. He is the past President of the Chesapeake Chapter of the International Association of Electrical Inspectors, won the Mike Holt 'Top Gun' Train the Trainer award and actively serves on five Underwriter Laboratories (UL) technical panels.

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**Session #2: from 1:20 –2:35 pm will be taught by Gary Olson Cummins Power Systems**

### **Not so-obvious issues with Generator Installations**

**Topic Includes:** Generator sets sit right on the line between mechanical engineering and electrical engineering, and the electrical guys got lucky and generally get to take responsibility for them. Unfortunately, in any installation there are a lot of potential mechanical challenges. This presentation will provide guidance that you can use to review generator set installation designs to be sure you're not the one who hears someone say "I can't believe he/she did that" about one of your designs.

**Speaker:** Gary Olson is Senior Member of IEEE and a 40-year veteran in the on-site power industry. He is a graduate mechanical engineer with a broad background in mechanical and electrical engineering that he has

applied in numerous roles, primarily with Onan/Cummins Power Generation. He is now retired from Cummins and works as a consultant, resolving technical issues in the design and operation of power generation systems.

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**Session #3 from 2:45 – 4:00 pm will be taught by Kevin Maynard**

**Speaker:** Kevin Maynard PE is a Project Manager at JMT located in the Newark DE office. JMT is a multi-disciplined engineering firm with offices across the United States. Kevin is responsible for the growth of the electrical business in the Delaware, New Jersey and Pennsylvania region. He has spent a career working in various roles within the electrical industry to help foster a knowledge that encompasses the commercial and safety sides of the business. Kevin has worked as a NETA test engineer, an electrical contractor project manager, and recently for 10 years as a power systems engineer for Eaton Corporation. In that role Kevin grew from performing Arc Flash studies to training and reviewing others in Arc Flash. He also has extensive training experience becoming a national training resources to teach electrical and Arc Flash safety to a wide array of clients. Kevin has been appointed to the Pennsylvania Uniform Construction Code Review and Advisory council, has published articles in the IEEE transactions on industry applications and is a registered PE in 7 states. Kevin is an avid Eagles fan and one day hopes to see a victory parade.

**Topic:** After the data collection has been done and the study has been run the hard truth of Arc Flash emerges that there are dangerous areas within the system. In this presentation you will learn how to mitigate these hazards through work procedure changes, through smart equipment upgrades and through engineering control. This presentation will look at both existing system solutions that can be done as well as new system development where small cost effective choices can help create a safer system down the road. This presentation will look at the current solutions that have been developed as well as a look into the crystal ball to see what solutions are being developed and how they will relate to any updated code changes.

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**Trade Show Description:** Over twenty local vendors will have tables, products and mockups and will exhibit the latest in engineering product designs and will exhibit the latest in engineering product designs and technology.

**Admission will include a buffet dinner and will act as our May social event.**

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<b>Cost: Seminars and Buffet and Expo</b>	<b>\$140.00</b>
<b>Cost: Seminars only no Expo or Buffet</b>	<b>\$110.00</b>
<b>Cost: Buffet and Expo</b>	<b>\$ 40.00</b>
<b>Cost: Expo Vendor and Table</b>	<b>\$425.00</b>

**Credits:** 4 PDH (Professional Development Hours If All 3 Seminars are attended)

**TO REGISTER, VISIT OUR WEBSITE AT <http://www.iasbaltimore.org> Credit cards accepted**

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**Mail reservations to:** Leonard Bathgate, 9 First Avenue West, Glen Burnie, MD 21061  
Fax: 410-768-6859 phone: 443-790-5856 email: admin@iasbaltimore.org

**Make checks payable to: IEEE-IAS** *Reservation Deadline: 5/15/2017*

NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

Seminar: \_\_\_\_\_ Seminar and Expo and Buffet \_\_\_\_\_ Expo and Buffett \_\_\_\_\_