# IEEE Arrowhead

# *IEEE 1584 Revolutionary Changes Coming*

## Technical Meeting

**Speaker: Marcelo E. Valdes, PE, IEEE Fellow**
Application Engineering Manager,
ABB Industrial Connections & Solutions

**Date:** Tuesday, March 12, 2019

**Time:** 4:30-7pm, Dinner provided

**Cost:** Free, 2 PDH Provided

**Location:** LHB, 21 W Superior St #500, Duluth

**Abstract:** IEEE 1584 has been the definitive guide for Arc Flash calculations since its original publication in 2002. Today its impact on the electrical equipment industry would be difficult to exaggerate. Soon the guide will be republished with significant changes to the model used for predicting incident energy, arcing current and the 1.2 calorie arc flash boundary. Rather than an evolutionary change, this upcoming edition of this important IEEE guide will be a revolutionary change in how we understand the science of the arc flash hazard. Consultants, users, and workers need to understand the new model and what it says about the hazard posed by exposure to live electrical equipment. Mr. Valdes will present on the current draft of this standard, contrast it with the 2002 model and discuss possible effects on industry.

### Marcelo E. Valdes, PE, IEEE Fellow

Mr. Valdes has been with ABB and GE over 41 years in various roles: Field engineering, equipment sales, application engineering, product management and standards. Currently he participates in the NEC, CSA-Z462 and NFPA70B, as well as in various IEEE working groups, including IEEE 1584. He is active in various IEEE conferences such as IEEE Electrical Safety Workshop (ESW), PCIC, PPFIC, and I&CPS. He was Chair of the 2014 IEEE ESW. He has won several awards from IEEE conferences for his contributions as well as several awards for some of his IEEE papers. He has published over 35 technical papers on various topics, mostly low voltage coordination and protection and holds 27 patents in related fields. Mr. Valdes holds an Electrical Engineering degree from Cornel University and is an IEEE Fellow.

Thank you to our host and sponsor LHB for providing dinner for our members!