



*IEEE Vehicular Technology Society
Philadelphia Chapter*



July 31, 2019 Meeting Announcement

Sponsor: IEEE Vehicular Technology Society (VTS) Philadelphia Chapter

Topic: Traction Power System Control and Protection Using Basler BE1-11 and BE1-11d Relays

Speaker: Seth Nelson, Strategic Account Manager – Basler Electric Company

Professional Development Hours: Attendees may apply for 1.0 PDH upon completion of lecture. Certificates will be provided through the IEEE Certificates Program, accepted in all states.

Meeting date/time: Wednesday, July 31, 2019, 11:45 am to 1:00 pm

Meeting location: STV Incorporated, 14th Floor Conference Room
Beneficial Bank Place, 1818 Market Street, Philadelphia PA 19103-3616

Cost of meeting: A charge of \$5.00 will be collected for IEEE PDHs.
Lunch will be provided complementary of Basler Electric Company

Reservations: *Attendees are required to register at* <https://events.vtools.ieee.org/m/201184>
If you have any questions, please contact Brandon Swartley at brandon.swartley@ieee.org or 856-986-1221.

Abstract: Basler Electric has been designing, building and manufacturing Electrical Equipment to the Energy Industry since 1942 at our headquarters in Highland, IL. With the early 2019 release of the BE1-11d, Basler Electric now has electrical control and protection equipment options for nearly every traction system. The original BE1-11 release for AC systems was in 2008. Coverage now includes locomotive, DC, 25 Hz, 50 Hz, 60 Hz and 100 Hz systems. Basler Electric protective relays apply to each system. Locomotives also utilize Basler Electric voltage regulators and genset controllers. The presentation will review Basler Electric's traction solutions briefly with a larger focus on the BE1-11d for DC systems. Core protective relay functional elements will be discussed in addition to relay extras such as communication, memory and flexible programmable logic. A past DC system project will be reviewed to show how the BE1-11d will meet application requirements.

Speaker: Seth Nelson holds his B.S. in Electrical Engineering from the University of Minnesota. Seth started working for Basler Electric in 2005. He has held a variety of Sales Management, Application Support, Marketing and Development roles at Basler Electric. Seth was a protective relay section project chair for the IEEE I&CPS Color Book to 3000 series standards conversion and participated in I&CPS paper reviews. He is presently responsible for Strategic Protection Accounts and all Department of Defense projects. Seth assists in new product and new business development with a focus on ensuring Basler Electric is a technology leader in the future of our rapidly evolving electrical system.

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