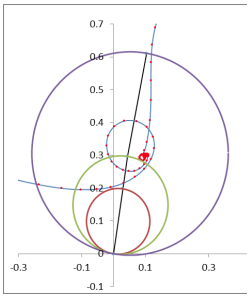
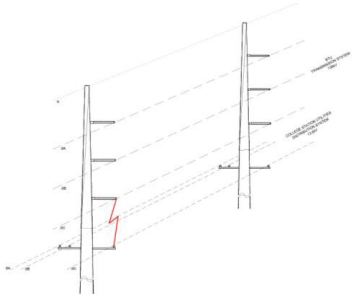
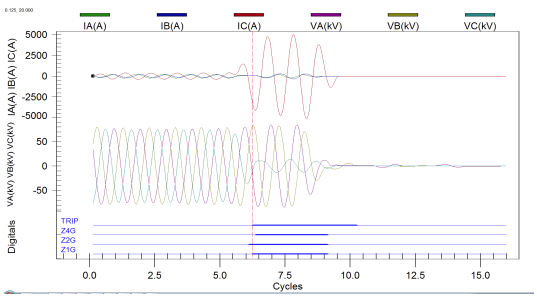
IEEE Jackson PES Meeting

Date:	August 13, 2014
Time:	12:00pm – 1:00pm
Location:	Entergy Transmission Headquarters, 6540 Watkins Dr. Jackson, MS
PDH:	1 Contact Hour
Cost:	Attendance free. Bring your own lunch
RSVP:	Respond to Jeremy Blair by August 11, 2014 via email to **jeremy_blair@selinc.com**
Topic:	Analysis of a Flashover Event Between 12.5 kV and 138 kV Systems
Presenter:	Joe Perez, P.E. SynchroGrid







Abstract:

This presentation will follow the analysis of an event that began as a failed insulator on a 12.5 kV distribution circuit and grew to a flashover event that tripped two 138 kV transmission lines. The analysis includes a review of the related relay event reports and oscillography, physical inspection results from the facilities in question, and PSCAD modeling to uncover the cause of the flashover.

Biography:

Joe Perez received his B.S. degree in Electrical Engineering from Texas A&M University in 2003. After college, he worked as a field engineer installing and commissioning medium voltage switchgears, AC and DC drives, and control houses. In 2004, Joe joined the utility world as a transmission engineer for TMPA, gaining close experience with system protection design, fault analysis, and transmission system planning. In 2007, Joe joined ERLPhase Power Technologies, where he gained extensive experience in relay protection algorithms for line distance, transformer and bus differential relays.

In 2012, Joe Perez established SynchroGrid LLC to provide electric utilities with simplified power system protection design, analysis, applications, and research. Joe is the author of many relay application notes and has presented technical papers at WPRC, Texas A&M and Georgia Tech Relay Conferences. Joe is a registered professional engineer in the state of Texas and a member of PSRC, IEEE, and PES.