

IEEE Miami Section Invited Seminar Announcement

“Overview of communications in Power Systems Protection and Control (PAC) Applications”

Speaker: Fernando Calero

Date: Thursday, May 12, 2022

Lecture: 11:00 AM – 12:30 PM, EC 3930, Florida International University (FIU), EC Campus, 10555 W Flagler St Miami, Florida 33174

Abstract:

A very important aspect in the protection and control (PAC) of modern power systems is the communications system. The presentation will provide an overview of past, present and future technologies for PAC of power systems.

The presentation will address the needs for communications for PAC. The overview of the technologies will follow from power-line carrier to packet based communications. While wide-area communications are important; presently substation IED communications is the hot topic. A discussion of substation networks and technologies for PAC applications in the substation will be the focus



Speaker's Bio

Fernando Calero is a Principal Engineer for Schweitzer Engineering Laboratories, Inc. (SEL). He started his career more than 30 years ago for Westinghouse as a power transformer designer. Transferred to the Relay Division (already ABB) in Coral Springs FL where he participated in the design and testing of protective relays. In 2000, he joined SEL as a field application engineer, technically supporting products and customers worldwide. In 2018, he transferred to SEL R&D group and is involved in the research, development and validation of technologies and products in the areas of PAC, microgrids and remedial action schemes.

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