IEEE Task Force on Big Data Analytics for Synchro-Waveform Measurements

Webinar Series

The Ever-Increasing Complexity Of The Residential Point Of Common Connection

Mr. Scott Hinson
Pecan Street, Inc.

Thursday August 21st, 2025, 9am Pacific/12pm Eastern

This webinar is free, but **registration** is **required**. Register here:
https://llnlfed.webex.com/weblink/register/ra6d4e25e9d8fa2059fbfb0632f65a547

Abstract: Historically residential electrical systems have been an easy load for utilities. Switch mode power supplies, and distributed generation are making the picture far more complex. Measurements made over the last 10 years in increasing resolution are providing increased insight into the changing world of residential load. We will discuss what Pecan Street is collecting, what we are doing with it, and what we think it might be useful for.

Bio: Scott is the Chief Technology Officer at Pecan Street, where he leads the Pecan Street Lab and directs research efforts to study the grid and climate impacts for integrating renewable technologies, electric vehicles, and software enabled smart devices that will modernize and decarbonize the electric and transportation sectors. Prior to Pecan Street, Scott worked at a thin film CIGS solar module manufacturer where he led module packaging, performance, certification and reliability efforts. Scott has also worked in the military, medical, consumer and oil industries developing power supplies, precision measurement equipment and inductive heating technologies. Scott received his B.S.E.E. from The University of Texas at Austin with undergraduate specializations in both communications systems and power distribution. Scott was awarded the 2015 Outstanding Engineering Award for “transforming the world’s understanding of consumer and community electricity usage” by the IEEE Power Engineering Society Central Texas Chapter. He is also a contributing author to Transmission & Distribution World Magazine.

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