NC STATE UNIVERSITY

Office of Professional Development

Register Today for One of the Best-Attended Electric Meter Schools!

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92nd Annual NC Electric Meter School and Grid Technology Conference

June 9-13, 2024
Embassy Suites
Kingston Plantation,
Myrtle Beach, SC

You'll Benefit from Comprehensive Coverage of These and Other Critical Topics in the Seven Tracks

Single Phase – The single phase track is designed for the entry-level person. You will gain a basis for understanding metering principles and power and complement your metering skills gained on the job. Sessions offered cover overviews of a power system, basic math, AC/DC theory and meter testing safety.

Polyphase – The polyphase track is designed to provide you with an overview of basic information needed to understand polyphase metering. You will learn about selection, installation, and maintenance of polyphase meters, and provides training on programming polyphase meters. You will receive training in the selections, use and maintenance of current and voltage transformers.

Advanced Metering/Engineering – The advanced track includes topics on complex metering theory and concepts, high-end metering applications, power quality, remote metering communication methods, and other advanced metering applications, tools, and equipment. It will also include topics on meter engineering and grid design.

Management – In the management track you will learn information about the newest technologies, current industry trends, day-to-day operational issues, and updates on new technology implementation projects. This track is ideal for professionals and managers.

Basic Substation & Distribution Principles – This track is designed to provide entry-level knowledge of substations and distribution systems. It is ideal for substation personnel with less than two years' experience or meter technicians who work occasionally in substations. You will learn the fundamentals of substation construction, proper grounding, electrical layout, and the purpose for typical equipment in a substation. Examples include: safety, station power transformers, batteries, circuit breakers, capacitors, switches, voltage regulators, basic communications, metering, and other miscellaneous components found in most substations. You will also learn about distribution system operation and the various types of equipment used.

Advanced Substation & Distribution Concepts – This track is geared towards experienced substation and meter technicians as well as supervisors and managers who maintain, repair, and/or oversee the daily operation of substations. You will learn advanced calibration, maintenance and repair of station equipment, and troubleshooting techniques of station components. You will also learn about remote communication controls, SCADA, grounding, oil testing, welding, relays, voltage reduction, security protocols, lightning protection, IEEE and OSHA requirements

Emerging Technologies – To incorporate current trends in our industry, we offer the following new topics and products related to electric metering and the electrical grid:

- Revenue
- Communications
- IT/Computer/Programmable Devices
- Security
- Renewable/Alternative Energy
- Customer Service

Registration and Fees

Register by May 24 and save $100!
Early registration **(thru May 24) - $570 per person**
Regular registration **(after May 24) - $670 per person**

The registration fee includes the welcome reception on Sunday evening, networking socials and lunches Monday-Wednesday, breaks Monday-Thursday, and the banquet on Wednesday evening. Additional banquet tickets are available at $65 each.

Single Day: A single day registration fee is available at $375 per person per day (includes lunch on that day, except Thursday).

Exhibitors: The fee is $945 for displaying companies that register by May 24. On May 25, the fee increases to $1045. Each company receives a piped and draped 6'x10' booth, a six-foot table, standard power, one (1) complimentary registration, and three days of maximum exposure. Exhibitors can register online at **go.ncsu.edu/ncems**

Why You Should Attend

The NC Electric Meter School and Grid Technology Conference provides you with a unique opportunity to learn all aspects of metering and substation equipment and operation, and grid technology in an academic environment. The school offers focused tracks for the beginner to the most advanced meter personnel as well as the opportunity for the leaders of these operations to hear about important new technologies, critical problems, valuable resources, and effective solutions to meet the ever-changing environment of the electric industry. In addition, the School provides an excellent opportunity for attendees to meet and engage with more than 90+ vendors. The School is open to any and all persons interested in learning more about metering, substations, and grid technology!

Attention: Professional Engineers

The NC Electric Meter School and Grid Technology Conference is an approved provider of continuing Development Hours (PDHs) by completing courses being offered at this event. **NC Meter School participants can earn up to 18 Professional Development Hours (PDHs). New for 2024, the North Carolina state required 1 hour of ethics instruction will also be offered.**

Register today! Go to **go.ncsu.edu/ncems** or call **919.515.2261** for more information.