

Southeastern Meter School & Conference

The Hotel at Auburn University and Dixon Conference Center

Auburn, Alabama

March 18th - 21st, 2024

Sponsored by the

Southeastern Meter Technical Association

In Cooperation with



General Information

The **2024 Southeastern Meter School and Conference** will be held **March 18th - 21st at the** Hotel at Auburn University in Auburn, Alabama. The school is sponsored by the **Southeastern Meter Technical Association**. It is held in cooperation with **Utility Technology Association**.

The school provides a forum for electric utility personnel from IOU's, Cooperatives, and Electric Municipals to discuss metering practices, procedures, new technologies, and common issues with peers and representatives from industry.

The conference is divided into concurrent modules to better provide instruction for utility professionals at all levels of experience. <u>Attend any class from any module</u>.

Location

The Hotel at Auburn University and Dixon Conference Center is centrally located three miles from Interstate 85 in Auburn, Alabama.

The Hotel at Auburn University is situated in a charming university campus environment within easy walking distance to many shops and restaurants in the quaint, historical downtown **Auburn, Alabama**.

Find out more about the hotel and location at <u>www.auhcc.com</u>.

The Hotel at Auburn University 241 South College Street Auburn, Alabama 36830

Hotel Accommodations

A block of rooms has been reserved for attendees at the **Hotel at Auburn University.** Reservations can be made through the hotel by phone at (800) 228-2876.

Hotel room reservation link is on the school website. Make your reservations by March 1st to insure availability.

The special room rate is \$159.00 plus tax. Group Rate: SE Meter School - 240317MTER

Professional Development Hours

The Southeastern Meter School and Conference will award **18 professional development hours** to participants attending the entire school. Hours will also be awarded per day for those not attending the entire school.

Exhibit Hall

The Exhibit Hall will be open **Monday through Wednesday.** All the suppliers you need to meet will be in one place to answer your questions and demonstrate their products.

Registration

Registration for the Southeastern Meter School & Conference can be sent by mail or register on the school website. Payment can be made with check, purchase order, or credit card. Invoicing available upon request. <u>Credit Card payment is only</u> <u>accepted with on-line registration.</u>

One Day Participant Program

This provides an opportunity for management (general managers, purchasing agents, operation managers, engineers, etc.) to **attend one day for a reduced charge**. Come on any day and attend a few classes, then enjoy an evening of hospitality in the Exhibit Hall.

Registration Fee

| Student | \$ 495 |
|--------------------------|-----------|
| Student - One Day Only | \$ 295 |
| Displaying Exhibitor | \$ 675 |
| Hosting Exhibitor | \$ 495 |
| Additional Exhibitor | \$ 295 |
| Additional Exhibit Table | \$ 150 |
| Presenters | No Charge |

<u>Register by March 1st</u>

Late and On-Site Registration are subject to an Additional Charge of \$100.

Register On-Line

www.semeterschool.com

Cancellation Policy

REFUNDS, less a \$50 administrative fee, will be made for all cancellations received in writing one month prior to the event date.

REFUNDS, less a \$100 administrative fee, will be made for all cancellations received in writing two weeks prior to the event date.

NO REFUNDS will be made within two weeks of the event, but a substitution of attendee may be made by notifying Utility Technology Association prior to the event.

Annual Dinner & Casino Royale

There will be a School Dinner on Wednesday evening. After dinner, enjoy an evening of networking with your peers at the Casino Royale.

Contact Information

Utility Technology Association Suzanne Powell

(770) 519-1676 || suzanne@utilitytech.org

Five Modules to Choose From

Module 100: Fundamental Metering

Module providing instruction in basic metering theory and application. This module will include topics of single phase theory, meter forms, instrument transformers, meter sockets, along with meter installation wiring.

Module 200: Advanced Metering

Module on intermediate metering theory and polyphase meter installation. Topics include polyphase applications, reactive metering, troubleshooting with phasors, sizing current transformers along with metering communications.

Module 300: Meter Testing, Safety and Revenue Protection

Module providing both lecture and laboratory experiences on all aspects of meter testing. Session will include hands on experience in testing everything from simple single phase, polyphase and demand to multifunction meters. Will include sessions with Meter Manufacturers training on their equipment.

Module 400: Smart Grid, AMI and Emerging Technology

Learn about applications and trends of Smart Grid, AMI and emerging technologies. This year you will be able to learn about utilizing AMI Data for System Integration, Micro-Arc Detection, Residential Demand Billing, Customizable Edge Computing, Transformer Loading and much more. Also, sessions on AMI Maintenance, Leveraging Fiber Back-Haul, and Meter Data Management.

Module 500: Meter Programming

Module providing hands on of programming meters from the metering manufacturers to gain a better understanding of the software and using it for your metering applications. Laptops will be provided or bring your own.

Planning Committee

Bobby Freeman, Alabama Power Company Brandy Rojek, Marshall-Dekalb EC Brennan Wood, Alabama Power Company Chip Kanour, Utility Specialists, Inc. Dwayne Miller, MEAG Power Eric Doolittle, Georgia Power Company George Johnson, Georgia Power Company Geri Turner, Utility Technology Association Jason Killingsworth, City of Opp Utilities Jill Goff, Radian Research Josh Freeman, Diverse Power Mack Wainwright, Central Alabama EC Mike Chirico, Covington Electric Cooperative Paul Millan, Southern CA Edison-Retired Randall Black, Tri-State Utility Products, Inc. Tom Ellis, Electric Supply, Inc. Tom Woods, Marietta Power

Southeastern Meter School & Conference Class Schedule

| | Monday, March 18 th | | | | | | |
|--------------|---|---|---|--------------------|-------------------------|--|--|
| Time | Module 100Module 200Module 300Module 400Module 50 | | | | Module 500 | | |
| 10:00 - 1:00 | Registration | | | | | | |
| 1:00 - 1:30 | General Session | | | | | | |
| 1:30 - 2:30 | "Next Generation Utility Metering Data Trends" | | | | | | |
| 2:30 - 3:00 | Networking and Refreshment Break | | | | | | |
| 2:00 4:20 | History of Electric Metering Power Theory Grounding & Bonding Meter Sockets | D | Grounding & Bonding | Identifying the Va | ue Streams for AMI Data | | |
| 3.00 - 4.30 | | | ation to Provide a Better User operience | | | | |
| 4:30 - 6:00 | Exhibit Hall / Hospitality | | | | | | |

| Tuesday, March 19 th | | | | | | |
|---------------------------------|---|--|---|---|--|--------------------------------|
| Time | Module 100 | Module 200 | Module 300 | Module 400 | Module | 500 A&B |
| Electr | Electrical | Applications of L Single & PolyPhase H | | What's Next - AMI System Use Now & Future | Meter Programming | |
| 8:30 - 10:00 | Fundamentals | | Transforming AMI Data into Operational Insights | Aclara | | |
| 10:00 - 10:30 | | Networki | ng and Refreshment Br | eak in Exhibit Hall | | |
| 10:30 - 12:00 | 10:30 - 12:00 Single Phase Multifuncti Metering Theory Intro to Vec | Applications of Multifunction Metering | ector | | Meter Programming Alcara Continued | |
| | | Intro to Vector Diagrams | | Extended Range Current Transformers | | |
| 12:00 - 1:00 | Lunch Provided | | | | | |
| 1:00 - 2:00 | Meter Sockets - Meter Mounting Devices | Demand Metering / Time of Use & EV Metering Rates | Testing & Verification of Meter Installation Using Customer Load | Utility Roundtable | Meter Programming Itron | Meter Programming Sensus |
| 2:00 - 2:30 | Networking and Refreshment Break in Exhibit Hall | | | | | |
| 2:30 - 4:00 | Service Types & Reactive, KVA and 4 Meter Forms Quadrant Metering | Testing & Verification of Meter Installation Using Customer Load Continued | Residential Demand Billing | Programming Program Itron Sens | Meter Programming | |
| | | | Load Disaggregation | | Sensus Continued | |
| 4:00 - 5:30 | Exhibit Hall / Hospitality | | | | | |

| Wednesday, March 20 th | | | | | |
|-----------------------------------|--|---|---|--|---|
| Time | Module 100 | Module 200 | Module 300 | Module 400 | Module 500 |
| 8:30 - 10:00 | Meter Installation Wiring | Applications & Sizing of Instrument Transformers | Meter Test Equipment Training Powermetrix | AMI at Light Speed - Leveraging Fiber Back-Haul for AMI Digital Twin Analysis | Meter Programming Honeywell |
| 10:00 - 10:30 | | Networkin | g and Refreshment Bre | ak in Exhibit Hall | |
| 10:30 - 12:00 | Instrument Transformer Fundamentals | Applications & Sizing of Instrument Transformers Continued | Meter Test Equipment Training TESCO | Metering at Distributed Energy Resource (DER) Point of Common Coupling | Meter Programming Honeywell Continued |
| 12:00 - 1:00 | | | Lunch Provided | | |
| 1:00 - 1:45 | Distribution Transformer Connections | Meter Test | | Real-Time Monitoring of Distribution Transformers | Meter Programming |
| 1:45 - 2:30 | Single Phase Meter Safety, Meter Installation & Removal | Troubleshooting with Phasors | With Equipment Training Radian Research | Meter Data Management & AMI | Landis+Gyr |
| 2:30 - 3:00 | Networking and Refreshment Break | | | | |
| 3:00 - 3:45 | What is Demand Metering? | Meter | | Case Study on Micro- Arc Detection - AMI System | Meter Programming |
| 3:45 - 4:30 | Meter Testing Concepts | Communication Technologies | | Decisions on the Edge - The Transition to Customizable Edge Computing | Landis+Gyr Continued |
| 5:00 - 6:00 | Annual Dinner in Grand Ballrom | | | | |
| 6:00 - 9:00 | Casino Royale in Grand Ballroom | | | | |

| Thursday, March 21 st | | | | | | |
|----------------------------------|---|--|--|--|--|--|
| Time | Module 100Module 200Module 300Module 400Module 50 | | | | | |
| 8:30 - 9:30 | EV Charger Combined Class | | | | | |
| 9:30 - 9:45 | Networking and Refreshment Break | | | | | |
| 9:45 - 11:15 | Revenue Protection Combined Class | | | | | |
| 11:15 - 11:30 | Closing Session | | | | | |

Knowledge is Power

Southeastern Meter School & Conference Curriculum

Opening Session

Next Generation Utility Metering Data Trends Instructor: Ben Thomason, *Central Georgia EMC* As technology changes in the utility industry, so does the capabilities of the next generation electric meter. Learn how utilities are using metering data in business applications and what the future holds.

<u>Module 100</u> Fundamental Metering

History of Metering

Instructor: Tom Lawton, *TESCO* Enjoy a session learning about the past art of metering and the great individuals that made it happen.

Metering Math & Electrical Fundamentals

Instructor: Mike Chirico, *Covington EC* Review of basic meter math skills. This would include fractions, percentages, multipliers, ratios, algebra and how they apply to metering applications. Learn the principles of electricity, AC and DC circuit theory including ohms law and circuit components, along with current and voltage laws.

Single Phase Meter Theory Instructor: Bryan Seal, *Itron*

Explanation of the mechanics and electrical theory of single phase meters. Discussion of internal meter components, and how they interact to make the meter register properly. Session will include how a solid state meter works along with the application of the meter in the electric service.

Meter Sockets - Meter Mounting Devices

Instructors: Daniel Murray, *The Durham Company* Course is designed to teach the fundamental characteristics of meter sockets. A variety of sockets will be used to demonstrate construction, features, types, and application in electric service.

Service Types & Form Numbers

Instructor: Tim Hope, *Alabama Power* Focuses on service voltages and how they relate to meter selection. What is a meter "Form" and how does it relate to the type of service? Learn what does the nameplate information tell you. Overview of how meters, sockets and transformers are wired together? Although concentrating on single phase services, polyphase meter forms are also discussed.

Meter Installation Wiring

Instructor: Keith Hardt, *Pungo Engineering* Review of typical metering installations with emphasis on the ANSI meter wiring diagrams. A discussion of Blondel vs Non-Blondel compliant meter measurements. Also a discussion on some common metering installation errors.

Instrument Transformers Fundamentals Instructor: Andrew Peterson, *ABB*

Course is designed to teach the fundamental characteristics of Current and Potential Transformers as they are applied to electric metering. Topics include ratio, rating factor, BIL, burden, polarity and ANSI accuracy class.

Distribution Transformer Connections

Instructor: Jason Waters, *Georgia Power* Lecture on the understanding of distribution transformer connections and how to make them. A necessity to a well rounded meter person.

Meter Safety

Instructor: Terrell Walton, *Alabama Power* The check out procedures for self- contained meter sockets and the results of a fault in a self-contained meter socket. Demonstrations of the proper use of protective equipment and fire retardant clothing while working in reach of an energized circuit.

Demand Metering

Instructor: Tina Pampanelli, *Itron* Learn about demand metering to gain a better understanding on how this value is calculated and applied to the billing structure.

Meter Testing Concepts

Instructor: Randy Campbell, *Radian Research* Session will provide an overview of testing single phase metering. Discussion will include the application and safety of testing single phase meters. Emphasis will be on shop testing.

Module 200 Advanced Metering

Power Theory

Instructor: Paul Millan, *Southern California Edison* An expansion of the popular course on the basics of electricity – volts, amps, power factor and all kinds of good stuff. Definition and applications of power triangle, KW, KVA, power factor, reactive power, and demand.

Principles & Applications of Polyphase Metering

Instructor: Gautham Ashokkumar, *Schweitzer Engineering*

Lecture on polyphase metering. Why does the customer need this type of metering? Evolution of polyphase metering. A review of delta and wye metering applications, 2,2-1/2 and 3 element meter selection, "multi-form" meters and Blondel's Theorem. Polyphase meter wiring connections are discussed.

Applications of Multi-Function Metering Instructor: Diego Barquero, *Landis+Gyr*

Session will cover the proper selection and application of the multi-function meter. Review of the considerations for the type of utility service.

Introduction to Vector Diagrams Instructor: Steve Hudson, TEC *Powermetrix* An introduction to the concept of vector / phasor diagrams.

Demand Metering / Time of Use & EV Metering Rates

Instructor: Sy Schreiner, Alabama Power

Lecture on what "demand" is and why do utilities use demand metering. It will cover different types of demand metering and technologies. This class will also cover "Time of Use" (TOU) metering and related technologies. It will address questions on why we use TOU metering and its benefits.

Reactive, KVA and 4 Quadrant Metering Instructor: Bill Mulkey, *Schneider Electric*

Explore reactive metering concepts and terminology. Look at why reactive measurements are important, their impact on system losses, equipment sizing, and cost of service. Review the mathematical derivation of reactive quantities. Explanation of 4 Quadrant metering.

Applications & Sizing of Current Transformers

Instructors: Ryan Alkire, Frank Lopez, *GE Vernova* Learn the procedure to determine the proper current transformer size for an installation. Review the application of rating factors. Multi-Range current transformers will be covered in this session. Review of primary metering installations

Troubleshooting Using Phasors Instructor: Carl Chermak, Aclara

Learn about phasor diagrams – what they represent, how they are developed, and how they may be used as effective diagnostic tools. Working with phasor information provided by new solid state electricity meters to troubleshoot new and existing metering installations. Includes some interactive exercises diagnosing miswired meters.

Metering Communication Technologies

Instructor: Sean Dempsey, *Honeywell* Review of a variety of communication technologies used in meter. Discussion on equipment and proper applications.

<u>Module 300</u> Meter Testing, Safety & Revenue Protection

Grounding and Bonding of Meter Enclosures Instructor: Zach Dew, *Georgia Power*

Lecture of the proper and safe way to ground and bond a meter enclosure. National Electric Code requirements will be discussed.

Fundamentals of Single & Polyphase Field Meter Testing

Instructor: Ted Pollard, *Georgia Power* Discussion on the Basic Theory, Philosophy, and ANSI Standards necessary to complete single phase and three phase meter testing. Includes details of phantom load testing and customer load testing.

Instrument Transformer Testing Instructor: Tom Lawton, *TESCO*

The importance of instrument transformer tests is often underestimated. Current and voltage transformers for metering purposes must have a high degree of accuracy to ensure precise billing. Course is designed to teach all aspects of testing instrument transformers.

Testing and Verification of Meter Installation Using Customer Load

Instructors: Zach Dew, Ted Pollard, Georgia Power

Demonstration on how to properly check your overall meter installation and be assured of accurate billing. Class will include vector analysis, voltage measurement, CT burden verification and verifying CT ratios using latest test equipment and classroom discussion.

Powermetrix - Meter Test Equipment Training

Instructor: Steve Hudson, TEC Powermetrix Verification of electrical meter sites is crucial to ensure proper metering and billing for your utility. This class will cover the hardware and software used to perform a full meter site inspection for forms 9S, 5S/45S, 4S, and 3S meters on a live test board. Tests include waveform and vector diagram review, harmonic analysis, customer and phantom load testing, CT burden plus ratio testing, and CT burden measurement. Several meter site issues that result in reducing billing will be covered, along with the methods to identify and fix these problems. Students will learn about real stories from the field. Session includes an overview of the Powermaster 6618A field analyzer and 335V load box.

TESCO - Meter Test Equipment Training Instructor: Vernon White, *TESCO*

The session will be a hands on class that will include the importance of performing a full analysis while at your transformer rated meter site with hands on training, validation of both your instrument transformers and meters in the meter shop prior to field deployment of these devices including hands on training on how to perform some of these tests, data analysis and troubleshooting along with case studies and real-world applications.

Radian Research - Meter Test Equipment Training

Instructor: Randy Campbell, *Radian Research* The session will cover Shop, Field, and Lab Equipment used in the testing of electric revenue meters. The electric meter is the cash register for the utility, and it is important to test these meters with the test equipment that is reliable and has traceability to NIST. The Shop Test equipment portion of the class will cover the capabilities of the 4000 series test boards and the processes used in testing meters. The Field Equipment section will discuss the RW-3X site analyzer and how it is used at a polyphase meter site to test meter installation wiring, CT's and the meter. Lastly the class will cover reference standards and their role in keeping revenue meters and the test equipment traceable to NIST.

EV Charger

Instructor: Eric Lambert, Aclara

Discussion on the common sense approach to utility management of EV load growth and reduction of load impact on the traditional power delivery system.

Revenue Protection

Instructor: Doug Stephens, *Georgia Power* The loss of revenue through unsecured meters, the use of tap detectors, the use of check meters and other methods of theft detection, the meterman's role in revenue protection, and how investigations are completed after a theft case is discovered.

<u>Module 400</u> Smart Grid, AMI and Emerging Technology

Identifying the Value Streams for AMI Data Instructor: Patrick Jordan, *NRTC*

The first question asked by many utilities beginning evaluation of a next generation AMI system is "what can we can do with the data from a new system". This session will strive to help define the use cases of AMI data and how the utility can leverage the data to enhance member satisfaction as well as provide more granular insight into consumer habits for advanced rate design.

Leveraging AMI Integration to Provide a Better User Experience

Instructor: Patrick Jordan, *NRTC* User satisfaction and ease of use should be two priorities when selecting an AMI system. Successful integration of the AMI platform into existing user systems is the first step to enable a fully functional system. Users who are able to gain access to information while remaining in their native systems are much more likely to become "super" users and proponents of the deployment.

What's Next - AMI System Use Now & Future

Instructor: Shawn Collins, *Utility Specialists, Inc.* Discussion on what utilities are currently using with their AMI systems and what else there is they could look at in the future. Some of the topics will be transformer monitoring, asset protection, power quality, data analytics along with grid edge devices and sensors.

Transforming AMI Data into Operational Insights

Instructor: Jacob Chacko, *EATON* The growth of data available from AMI systems brings with it new opportunities to understand and manage distribution systems. Analysis of this data can play a critical role in the operations of the electric distribution system. As we move forward into Energy Transition & Grid Modernization, data analytics can assist in maintaining the security, safety, and optimal operation of the electric distribution system. Session to include an understanding of what types of data are required to deliver meaningful analytics.

Transformer Load Study - How Meters Effect the Load on a Transformer

Instructor: Blair Hill, *Central Service Association* Session about how Transformer Load Study works to show how meters effect the load on a transformer. Also will cover a breakdown of the meters tied to a transformer so that a utility can properly size a transformer based on the meters attached to a certain transformer.

High Accuracy, Extended Range Current Transformers

Instructor: Ryan Alkire, *GE Vernova* This session will focus on how the metering industry is utilizing the High Accuracy Extended Range (HAER) current transformers to streamline the utilities inventory and generate more revenue. This session will cover the following topics: - What affects the accuracy of current transformers? - What makes a high accuracy extended range different from a standard accuracy CT? - What are the benefits to the utility? - What is the downside to making the switch to HAER?

Utility Roundtable

Instructor: Variety of Utilities Share and listen to utilities discuss common issues with metering at their utility.

Residential Demand Billing

Instructor: Jason Thrash, *Wiregrass Electric Cooperative*

Learn about the purpose and implementation of a Residential Demand Billing rate.

Load Disaggregation

Instructor: Eric Doolittle, *Georgia Power* Load Disaggregation breaks energy usage down into appliance/category level, so customers have a better understanding of what they are using their household electricity on. It is important to observe patterns and build energy signature profiles for each appliance for an effective estimation of the power required in the near future. Discussion on how a utility can benefit from this application.

Merging Fiber to the Home with AMI Instructor: Bryan Seal, *Itron*

This sessions provides an overview of market trends within the exponentially growing fiber to

the home (FTTH) services and how utilities are trending to incorporate AMI devices into their fiber network. Topics include a market update, overview of typical fiber network elements, architectural considerations for maximizing bandwidth or lowering costs.

Digital Twin Analysis

Instructor: Bill Mulkey, *Schneider Electric* Session on integrating analysis software with real time information to do analysis using real time operating conditions. Digital Twin software replicates one-line diagrams and build models for each piece of equipment and connect to devices directly or through monitoring software to import actual conditions when doing analysis.

Metering at DER Point of Common Coupling

Instructor: Gautham Ashokkumar, Schweitzer Engineering Lab

Session on the challenges to metering at a distributed energy resource (DER) point of common coupling, and on the solutions available. Bi-directional metering and power quality metering requirements specific to IEEE 1547 will be the focus of this presentation.

Redefining the Grid Edge with Real-Time Monitoring of Distribution Transformers Instructor: Charlie Nobles, *Ubicquia*

Review of multiple utility use-cases involving the monitoring of critical distribution assets (transformers & poles) and user loads with the ability to integrate the data from other devices (meters, feeder sensors, etc.) to provide granular analysis of system health, improve reliability and provide relevant event information for operational decisions. The true value of expanded visibility of system performance and operation back from the meter to the substation will be explored, providing accurate input for informed decisions for optimized power delivery, cost avoidance and maximizing the quality of energy supply.

Meter Data Management & AMI Instructor: Paul Fratellone, *OATI*

Understanding the capabilities of MDMS in utilities can unleash a wide spectrum of efficiencies. As meters become more powerful with more memory and processing power, these new edge devices will carry more raw data and the MDMS can then transform it into actionable insights that will drive operational efficiency in energy resource management. At the heart of the MDMS, is its ability to process mountains of data from a myriad of interconnected smart devices (like inverters, meters) and enable informed decision making and strategic planning.

As utilities embrace a digital future, a robust MDMS becomes inevitable and eventually cost-effective. By efficiently managing complex data, validating its accuracy, integrating it seamlessly, and offering advanced analytics, an MDMS paves the way for improved operations, better decision-making, and enhanced customer satisfaction. With the right MDMS, utilities can not only overcome their current challenges but also gear up for future opportunities.

Case Study on Micro-Arc Detection - AMI System

Instructor: Tom Lawton, TESCO

This presentation provides a detailed look into case studies that TESCO performed with utilities on micro-arc detection as part of their AMI system and what they learned from their meter population. The presentation touches on the following points:

- * What is Micro-Arc Detection
- * How is Micro-Arc Data Captured and Used
- * Important Parameters and Takeaways
- * 2 Utility Case Studies
- * Arcing Properties
- * Utility Variables
- * Which Meters have this Technology

Decisions on the Edge - The Transition to Customizable Edge Computing Instructor: Derl Rhoades, *Sensus*

The session will talk about the trend to customizable edge computing. The presentation will highlight the benefits and challenges as the industry trends to a new required way of operating the grid. It will specifically point out the meters role in the grid of the future and why it will need to be customizable for each utility.

Module 500

Meter Programming

Creating and editing of manufacturers metering software.

<u>Laptop computers are provided but students</u> <u>can bring their own.</u>

Alcara - Meter Programming

Instructors: Carl Chermak, Dale Prashad, Alcara Learn to create a simple demand meter program with Alcara MeterMate software. Review the KWH and KW Demand information required from the meter and instantaneous measurements desired in the alternate display. Additional meter settings will be covered in building the meter program.

Itron - Meter Programming Instructor: Tim Royster, WESCO

Learn about Itron's software meter programming suite PC-PRO+ Advanced! This class will provide a broad overview of all of the software capabilities, system management, and how to create meter configuration files to meet your specifications. From setting up the software, creating your user interface, to managing all of the security and management settings in creating a program file, will make you proficient with this software. Will also include an overview of Field-Pro, which will allow user to optically communicate with the meter, whether you are troubleshooting or creating a meter data file for later review.

Sensus - Meter Programming Instructor: Sean McCarty, Sensus

Sensus FlexNet Spotlight offers streamlined communication with meters and devices. Use FMT or optical probes to confidently add, configure, and manage meters securely with FlexNet messaging. The FlexNet Automated Shop Tool (FAST) enables easy configurability and verification of settings for optimized workflows. Customize Config/Verify creates tailored configuration files. Update firmware, create scripts, and edit easily using the Batch Menu. Prioritize security through dedicated settings. Manage file systems, logging, and app settings seamlessly in the user-friendly Settings Menu.

Honeywell - Meter Programming Instructor: Sean Dempsey, *Honeywell*

Landis+Gyr - Meter Programming Instructor: Diego Barquero, *Landis+Gyr*

Student & Presenter Registration Form

Southeastern Meter School & Conference

March 18th - 21st, 2024

Southeastern Meter Technical Association

The Southeastern Meter Technical Association subscribes to the art of metering electric energy and power, and to the purpose of keeping abreast of new developments and techniques in the practice of this technology, and the sponsorship of educational programs and training for electric meter personnel.

The purpose is to organize an annual electric Meter School for the benefit of the attending employees in the electric utility industry.

Student One Day Participant Program

This provides an opportunity for management (engineers, general managers, purchasing agents, operation managers) to **attend one day for a reduced fee**. Come on any day to attend a few classes and explore the Exhibit Hall. Lunch is provided for One Day Participants.

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| Th | e Hotel at Aub | urn University, | Auburn, Alabama | | |
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| First Name | Last Name | | | | |
| Badge Name (if different from above | e) | | | | |
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| Registration Fees | | | | | |
| \$ 495 | Tuesday and We | | es Conference Notebook, Lunch on on Wednesday, Networking / Hospitality nibit Hall. | | |
| \$ 295 | Student - One Day Registration Fee includes conference notebook, one lunch, and admission to the Exhibit Hall. | | | | |
| \$ NC | Presenter - No Charge - All Presenters Must Register | | | | |
| Total Pa | yment | | | | |
| Late and | | egistration By Monometry By Monometry By Monometry By | arch 1 st an additional charge of \$100. | | |
| Payment Methods Check Payable to Utility Te | chnology Associati | ion enclosed for \$ | | | |
| Please Invoice | | | ler Number | | |
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| Return Registration I | Form To | Sou | theastern Meter Technical Association c/o Utility Technology Association | | |
| | | | PO Box 695 Clermont, Georgia 30527 | | |
| Please email q suzanne@utili | | or | Contact Suzanne Powell at (770) 519-1676 | | |