

# 2024 RMEMA Meter School Schedule

## Monday March 11, 2024

<b>TIME: 8:00 - 9:00 AM</b> <i>Registration / Check In</i> <b>LORY STUDENT CENTER, Grand Ballroom PreFunction</b>				
<b>TIME: 9:00 - 10:00 AM</b> <i>Opening General Session - Welcome &amp; Keynote , TBD</i> <b>Lory Student Center Ballroom BCD</b>				
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)	GETTING STARTED Monday March 11th only
Never No Summer Ballroom	Room 386	Room 390	Room 322	Room 384
Adam Cash	Doug Stall	Meredith Peterson	Lester Oltjenbruns / Troy Foust	Rudy Trujillo
TIME: 10:15 AM - 12:15 PM	TIME: 10:15 AM - 12:15 PM	TIME: 10:15 - 12:15 PM	TIME: 10:15 - 11:00 AM	TIME: 10:15 - 12:15 PM
<i>Basic Principals of Electricity - Part 1</i> Instructor: Michael Randall	<i>Meter Forms and Applications - Part I</i> Instructor: Mike Arias	<i>Advanced Metering Mathematics - Part I</i> Instructor: Tom Ghidossi & Max Charbonneau	<i>Harmonics</i> Instructor: Location: LSC Ballroom A	<i>PART 1</i> Metering - Then and Now Instructor: RudyTrujillo
			11:00 - 11:45 AM	
			<i>Cogeneration and Private Generation Panel</i> Instructor: Casey Briscoe	
			TIME: 11:45 - 12:15 PM	
			Electric Vehicle Charging and its Impact- Demo Meet at Room 322 and group will walk over to charging site (approx. 3 min walk) Demo By: Dan Hollow	

TIME: 12:15 PM - 1:15 PM Lunch 12:45 - 1:00 PM RMEMA Updates and Announcements				TIME: 12:15 PM - 1:00 PM
TIME: 1:30 - 3:30 PM  <i>Basic Prinicipals of Electricity - Part II</i> Instructor: Michael Randall	TIME: 1:30 - 3:30 PM  <i>Meter Forms and Applications - Part II</i> Instructor: Mike Arias	TIME: 1:30 - 3:30 PM  <i>Advanced Metering Mathematics - Part II</i> Instructor: Tom Ghidossi & Max Charbonneau	1:30 - 2:15 PM  <i>Test Switch Operations</i> Instructor: Dan Hollow	TIME: 1:00 - 3:15 PM  <i>PART 2 Terminology</i> Instructor: Rudy Trujillo
			TIME: 2:15 - 3:00 PM  <i>Understanding &amp; Protecting against the Electric Arc Flash Hazard</i> Instructor: Derek Sang	
			3:00 - 3:45 PM  <i>Meter Service Verification</i> Instructor: Martin Hiatt	
3:30 - 3:45 PM Break	3:30 - 3:45 PM Break	3:30 - 3:45 PM Break	3:45 - 4:00 PM Break	TIME: 3:15 - 3:30 IN ROOM BREAK  TIME: 3:30 - 5:00 PM  <i>PART 3 Rates</i> Instructor: Rudy Trujillo
TIME: 3:45 - 5:45 PM  <i>Basic Meter Related Definitions and Mathematics</i> Instructor: Adam Cash	TIME: 3:45 - 5:15 PM  <i>Instrument Transformer Basics</i> Instructor: Kyle Keckler	3:45 - 5:45 PM  Substation Protection & SCADA Instructor: Donnie Elgin	TIME: 4:00 PM MEET AT LSC ROOM 322  TIME OF TOUR: 4:00 - 5:30 PM  <i>Walking Tour of CSU Solar Panels on Campus</i> Lead by: Michael Randall	TIME 5:00 - 5:45 PM  <i>PART 4 Safety and Related Equipment Most Commonly Asked Questions</i> Instructor: Rudy Trujillo
TIME: 5:15 - 7:45 PM RMEMA Welcome Reception In the Exhibit Hall Ballroom BCD			*Hands on sessions require preregistration due to maximum participant limits and the hands on work stations. If you are not pre-registered and wish to attend one of their sessions, you are welcome to do so based on available space. Available space to be determined by the room moderator.	

# 2024 RMEMA Meter School Schedule

## Tuesday March 12, 2024

<b>TIME: 7:00 - 8:30 AM</b> <i>Breakfast with Vendors in the Exhibit Hall</i> <b>Lory Student Center Ballroom BCD</b>				
<b>BASIC</b>	<b>INTERMEDIATE</b>	<b>ADVANCED</b>	<b>HANDS ON</b> (pre-registration required for GTD space*)	<b>Software Sessions</b>
<b>Never No Summer Ballroom</b>	<b>Room 386</b>	<b>Room 390</b>	<b>Ballroom A</b>	<b>SEE BELOW LSC=Lory Student Center</b>
<b>Adam Cash</b>	<b>Doug Stall</b>	<b>Meredith Peterson</b>	<b>Lester Oltjenbruns / Troy Foust</b>	
<b>TIME: 8:45 - 10:15 AM</b>  <b>Self-Contained Meter Forms</b> <b>Instructor: Christopher Campbell</b>	<b>8:45 - 9:45 AM</b>  <i>Load Profile Metering</i> <b>Instructor: Will Elliott</b>	<b>TIME: 8:45 - 9:45 AM</b>  <i>Explore the Digital Side - Solid State Metering</i> <b>Instructor: Dan Nordell</b>	<b>TIME: 8:45 - 11:15 AM</b>  <b>Ballroom A</b> <i>Rotations: a: Self-Contained meters/Pulse Values b: Wiring 5s/8s/6s/9s and c: Primary Instrument Transformer Wiring</i> <b>Instructors: Casey Briscoe, Troy Foust, Brian Hontz, Kyle Keckler, Lester Oltjenbruns, Matthew Sadar</b>	
<b>TIME: 10:15 - 11:45 AM</b>  <i>Evolution from Electro-Mechanical to Electronic Metering</i> <b>Instructor: Bryan Ehrlich</b>	<b>TIME: 9:45 - 11:15 AM</b>  <i>KVA Metering &amp; Reactive Metering</i> <b>Instructor: Will Elliott</b>	<b>TIME: 9:45 - 11:15 PM</b>  <i>Advancements in CT Technology for Revenue Enhancement</i> <b>Instructor: Adam Labbe</b>		
	<b>TIME: 11:15 AM - 11:45 PM</b>  <i>Exhibit Hall / Vendor Show Open</i> <b>Lory Student Center Ballroom BCD</b>	<b>TIME: 11:15 AM - 11:45 PM</b>  <i>Exhibit Hall / Vendor Show Open</i> <b>Lory Student Center Ballroom BCD</b>	<b>TIME: 11:15 AM - 11:45 PM</b>  <i>Exhibit Hall / Vendor Show Open</i> <b>Lory Student Center Ballroom BCD</b>	
<b>TIME: 11:45 AM - 12:30 PM</b>  <b>Lunch</b>				
<b>Student Center Ballroom B,C&amp;D</b>				<b>Lory</b>
<b>TIME: 12:30 - 1:30 PM</b>  <i>Select Hands On(Ballroom A, Software(rooms 372,374,376 and 378) or RF Class (Room 386)</i> <b>RF Class</b> <b>Instructor: Michael Randall</b>	<b>TIME: 12:30 - 1:30 PM</b>  <i>Select Hands On(Ballroom A, Software(rooms 372,374,376 and 378) or RF Class (Room 386)</i> <b>RF Class</b> <b>Instructor: Michael Randall</b>	<b>TIME: 12:30 - 1:30 PM</b>  <i>Select Hands On(Ballroom A, Software(rooms 372,374,376 and 378) or RF Class (Room 386)</i> <b>RF Class</b> <b>Instructor: Michael Randall</b>	<b>12:30 - 1:30 PM</b>  <i>Select Software(rooms 372,374,376 and 378) or RF Class (Room 386)</i> <b>RF Class</b> <b>Instructor: Michael Randall</b>	<b>12:30 - 2:30 pM</b>  <b>Software Session</b> a. Honeywell/Elster - LSC ROOM 372 b. Landis+Gyr - LSC ROOM 374 c. Itron - LSC ROOM 376 and d) Aclara / G.E.- LSC ROOM 378
<b>TIME: 1:30 - 2:30 PM</b>  <i>Introduction to Socket Connection and Verification</i> <b>Instructor: Rudy Trujillo</b>	<b>TIME: 1:30 - 2:30 PM</b>  <i>Field Certification of Revenue Metering Sites</i> <b>Instructor: Martin Hiatt</b>	<b>TIME: 1:30 - 2:30 PM</b>  <i>Review of Electricity Reference Standards, Accuracy and Traceability</i> <b>Instructor: Ryan Moffitt</b>	<b>1:30 - 2:30 PM</b>  <b>Hands-On select to continue with Software or take any class from Basic, Intermediate or Advanced class</b>	
<b>TIME: 2:30 - 3:00 PM</b>  <i>Break with Vendors in the Exhibit Hall</i> <b>Lory Student Center Ballroom BCD</b>				<b>TIME: 2:30 - 3:00 PM</b>  <i>Exhibit Hall / Vendor Show Open</i> <b>Lory Student Center Ballroom BCD</b>

TIME: 3:00 - 4:00 PM	TIME: 3:00 - 4:00 PM	3:00 - 4:00 PM	TIME: 3:00 - 4:00 PM	TIME: 3:00 - 5:00 PM
<i>Recognition of Service Problems</i> Instructor: Rudy Trujillo)	<i>Introduction to Electrical Codes</i> Instructor: Michael Randall	<i>Advanced Metering</i> Instructor: Cal Bargsley & John Vandenburg	Ballroom A <i>Rotations: a: Self-Contained meters/Pulse Values b: Wiring 5s/8s/6s/9s and c: Primary Instrument Transformer Wiring</i> Instructors: Casey Briscoe, Troy Foust, Brian Hontz, Kyle Keckler, Lester Oltjenbruns, Matthew Sadar	<i>Exhibitor Tear Down - Lory Student Center Ballroom BCD</i>
		4:00 - 5:30 PM  <i>Data Management</i> Instructor: Ryan Moffitt	<small>*Hands on sessions require preregistration due to maximum participant limits and the hands on work stations. If you are not pre-registered and wish to attend one of their sessions, you are welcome to do so based on available space. Available space to be determined by the room moderator.</small>	

# 2024 RMEMA Meter School Schedule

## Wednesday March 13, 2024

TIME: 7:30 - 8:00 AM LIGHT BREAKFAST Outside of each room			
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)
Never No Summer Ballroom	Room 386	Room 390	Room 322
Adam Cash	Doug Stall	Meredith Peterson	Lester Oltjenbruns / Troy Foust
TIME: 8:00 - 9:30 AM Safety - Part I, Meter Safety Instructor: Terry Gaiser	TIME: 8:00 - 9:30 PM Cellular for AMI Gap Filling / Complete Viable AMI Solution of the Future Instructor: Dan Hollow	TIME: 8:00 - 9:30 AM Net Metering/Renewable Energy and the Utility Industry Instructors: Bryan Ehrlich & Kyle Keckler	Time: 8:00 - 9:30 AM Personal Protective Equipment & Regulatory Compliance Attainment Instructor: Paul Fratellone
TIME: 9:30 - 9:45 AM	TIME: 9:30 - 9:45 AM	TIME: 9:30 - 9:45 AM	TIME: 9:30 - 9:45 AM
REFRESHMENT BREAK	REFRESHMENT BREAK	REFRESHMENT BREAK	REFRESHMENT BREAK
TIME: 9:45 - 10:45 AM Safety Part II, Personal Protective Equipment Instructor: Kevin Licano TIME: 10:45 - 11:30 AM Electricity Reference Standards, Accuracy and Traceability Instructor: Ryan Moffitt	TIME: 9:45 - 11:45 AM Integrated Communications Instructor: Jeff Barlow	TIME: 9:45 - 11:45 AM Power Quality Instructor: Dan Nordell	TIME: 9:45 - 10:45 AM Simulating Real World Metering Conditions Instructor: Dan Hollow Time: 10:45 - 11:30am High Accuracy/Extended Range CT's Instructor: Ryan Alkire
TIME: 11:30 AM - 12:30 PM LUNCH			
Ballroom CD			LSC
SPECIAL INTEREST BREAKOUT SESSIONS			
TIME 12:45 - 1:30 PM (Select One)			
Never No Summer Ballroom	Room 386	Room 390	Room 322
Session 1A - Transmission System Metering - Applications & Designs Presenters: Daniel Daneshka	Session 1B - Regulatory and Legislative Updates on the Electric Utility Industry Presenter: Kent Singer	Session 1C - Distributed Energy Resources Management (DERMS) and Virtual Powerplant Presenter: Paul Davis	Session 1D - Rates Presenter: Bryan Ehrlich

Switch and Select Session #2			
TIME 1:45 - 2:30 PM ( <i>Select One</i> )			
Never No Summer Ballroom	Room 386	Room 390	Room 322
<b>Session 2A - Transmission System Metering - Applications &amp; Designs</b> <b>Presenters: Daniel Daneshka</b>	<b>Session 2B - Regulatory and Legislative Updates on the Electric Utility Industry</b> <b>Presenter: Kent Singer</b>	<b>Session 2C - Distributed Energy Resources Management (DERMS) and Virtual Powerplant</b> <b>Presenter: Paul Davis</b>	<b>Session 2D - Rates</b> <b>Presenter: Bryan Ehrlich</b>
TIME: 2:30 - 2:45 PM AFTERNOON BREAK Outside of each Room			
TIME: 2:45 - 3:45 PM <i>Field Testing Verification &amp; Testing</i> Instructor:Trent Hebrlee	TIME: 2:45 - 4:45 PM <i>Demand Metering / TOU (Time of Use) Metering</i> Instructor: Cal Bargsley & John Vandenburg	TIME: 2:45 - 4:45 PM <i>Understanding KE Values in Meters</i> Instructor: Terry Gaiser	TIME 2:45 - 3:30 PM <i>Instrument Transformers and Factory Engineers</i> Instructor: Chris Zaphiris
TIME: 3:45 - 4:45 PM <i>Understanding Instrument Transformers</i> Instructor: Rudv Truiillo			TIME: 3:30 - 5:00 PM <i>Understanding MDM</i> Instructor: Bryan Ehrlich

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# 2024 RMEMA Meter School Schedule

## Thursday, March 14, 2024

<b>TIME: 7:30 - 8:00 AM</b> <b>LIGHT BREAKFAST</b> Outside of each room				<b>TIME: 7:30 - 8:00 AM</b> <b>LIGHT BREAKFAST</b> Outside of Room 322
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)	Meter School Proficiency Exam
Never No Summer Ballroom	Room 386	Room 390	Ballroom A	Room 322
Adam Cash	Doug Stall	Meredith Peterson	Lester Oltjenbruns / Troy Foust	Kyle Keckler
<b>TIME: 8:00 - 9:30 AM</b>  <i>Technologies in Meter Reading</i> Instructor: Jeff Barlow	<b>TIME: 8:00 - 9:30 AM</b>  <i>Installation &amp; Load Verification</i> Instructor: Rudy Trujillo	<b>TIME: 8:00 - 9:15 AM</b>  <i>Merging Meters, Substations and Distribution Automation</i> Instructor: Dan Nordell	<b>TIME: 8:00 - 9:30 AM</b> LSC Ballroom A <i>Troubleshooting Rotations: a) Vector Analysis, b) Alternate Wiring Verifications and c) Identifying Wiring Problems.</i> Instructors: Casey Briscoe, Troy Foust, Briam Hontz, Lester Oltjenbruns, Matthew Sada	<b>TIME: 8:00 - 9:30 AM</b>  <i>Meter School Proficiency Exam Review</i> Instructor: Kyle Keckler
<b>BREAK (9:30-9:45am)</b> Outside each room	<b>BREAK (9:30-9:45am)</b> Outside each room	<b>BREAK (9:15-9:30am)</b> Outside each room	<b>BREAK (9:30-9:45am)</b> Outside each room	Anyone NOT pre-registered will not be permitted to attend the Exam review session or enter the exam room.  Anyone planning to take the exam must be pre-registered prior to Thursday, March 14, 2024.  If you didn't sign up and/or pay for the exam when you registered online for Meter School, you can do so onsite. Please go to the RMEMA Registration Desk in the Lory Student Center. You may also call Conference Services at 970-491-6222.
<b>TIME: 9:45 - 11:45 AM</b>  Diversion of Power (Energy Theft) Instructors: Matthew Sadar	<b>TIME: 9:45 - 10:45 PM</b>  <i>Evolution of Field Testing and Polyphase Field Testing</i> Instructor: Trent Hebrlee	<b>TIME: 9:30 - 11:00 AM</b>  <i>Meter Reading Technologies AMI Systems Overview</i> Instructor: Josiah Jessen	<b>TIME: 9:45 - 11:15 AM</b>  LSC Ballroom A <i>Troubleshooting Rotations: a) Vector Analysis, b) Alternate Wiring Verifications and c) Identifying Wiring Problems.</i> Instructors: Casey Briscoe, Troy Foust, Briam Hontz, Lester Oltjenbruns, Matthew Sadar, & Rudy Trujillo	<b>TIME: 10:45 AM - 12:00 PM- Noon</b>  <i>Meter School Proficiency Exam</i> Administered By: Kyle Keckler

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