



Agenda

CIMug St Louis | 22 - 24 September 2026

St Louis, Missouri, North America | [Emerson Control Systems & Software](#)

“From CIM Models to Grid Ops: Bridging the T&D Planning-Operations Gap via NMM”

CIM University Day 1 | Rooms: Synergy East & West | Tuesday, 22 September 2026

Time	Track 1 Room: Synergy East CIM Basics & Enterprise Integration	Track 2 Room: Synergy West CIM and Network Analysis
8:00 – 9:00	REGISTRATION	
9:00 – 9:15	Introduction & Logistics CIMug Co-Chairs & UCA Officers	
9:15 – 9:30	Introduction to the CIM Standards & Architecture <i>Michael Covarrubias</i> <i>(Xtensible, a SAM Company)</i> 75 Minutes	Power System Modeling Basics <i>David Bogen (ONCOR)</i> 30 Minutes
9:30 – 9:45	This session describes the CIM standards: how they are organized and how they are used to exchange information between applications/systems.	CIM and Network Models - Anatomy of power flow data (through the eyes of the CIM) - Partitioning into profiles
9:45 – 10:00	What is “the CIM”? - Role of the CIM in the Smart Grid architecture - Importance of CIM as a semantic model - Motivation for the coverage of CIM, what can be modeled, how does that save time and money in integration?	Tour of Major CIM Network Model Implementations ERCOT – NMMS in Action <i>Speaker TBD (TBD)</i> 45 Minutes
10:00 – 10:15	- Three-layer architecture for organizing CIM standards - Work flow from semantic model to message/file assembly using CIM	The CIM approach to structuring network model data in practice at utilities in the US and Europe.
10:15 – 10:30	Layer 1: CIM UML Information Model and Contents: - Demo of Sparx Enterprise Architect UML modeling Tool – includes how to navigate and create diagrams - IEC 61970 and 61968 standards - Example: Substation model using CIM	
10:30 – 10:45	BREAK	

10:45 – 11:00	<p>Introduction to the CIM & Related Standards (continued...)</p> <p><i>Michael Covarrubias</i> (Xtensible, a SAM Company) 75 Minutes</p>	<p>Grid Classes: 61970-452 EQ Profile (a.k.a., the Foundation)</p> <p><i>Speaker TBD (TBD)</i> 45 Minutes</p> <p>This session will cover the basics of the physical grid model profile for steady state modeling of equipment and topology.</p> <ul style="list-style-type: none"> - What is information modelling? - Modeling a substation in UML with CIM objects - Basic equipment and connectivity <ul style="list-style-type: none"> - Containment - Equipment vs Asset
11:00 – 11:15		
11:15 – 11:30	<p>The session continues the introduction started in the earlier session by exploring information exchange techniques and enterprise semantic modeling.</p> <p>Layer 2: Profiles and Profiling Methodology for Defining System Interfaces – IEC 61970 and 61968</p> <p>Layer 3: Message assembly and RDF/XML Serialization Technologies</p> <ul style="list-style-type: none"> - Value of an Enterprise Semantic Model (ESM) based on the CIM <ul style="list-style-type: none"> - Case studies - Where to get more CIM Information 	<p>Grid Classes: 61970-452 EQ Profiles for Distribution</p> <p><i>Alan McMorran (EMERSON AspenTech)</i> 30 Minutes</p> <p>More Complex Parts of the Physical Network Model Profile</p> <ul style="list-style-type: none"> - Unbalanced linking to Assets and GIS data - Single Phase Analysis
11:30 – 11:45		
11:45 – 12:00		
12:00 – 13:00		
13:00 – 13:15	<p>CIMTool – a CIM Profiling Tool</p> <p><i>Todd Viegut, (EMERSON AspenTech)</i> 45 Minutes</p> <p>Learn about the open-source tool for managing CIM-derived models, profiles, and schemas.</p>	<p>Grid Classes: 61968-13 GIS & Asset Profiles</p> <p><i>Alan McMorran (EMERSON AspenTech)</i> 30 Minutes</p> <p>Modeling the Distribution Network</p> <ul style="list-style-type: none"> - Extracting Electrical Connectivity from GIS
13:15 – 13:30		
13:30 – 13:45		
13:45 – 14:00	<p>Information Model & Reference Model</p> <p><i>Todd Viegut (EMERSON AspenTech)</i> 15 Minutes</p> <p>Learn about the CIM as an Information Model, and as a Reference Model.</p>	<p>Grid Classes: 61970-453 DL Profile</p> <p><i>Alan McMorran (EMERSON AspenTech)</i> 30 Minutes</p> <ul style="list-style-type: none"> - Layout of schematic diagrams (Diagram Layout)



14:00 – 14:30	<p>XSD Messaging in the IEC 61968 Standards</p> <p><i>Todd Viegut (EMERSON AspenTech)</i> 30 Minutes</p> <p>Learn about messaging and how it is used in the IEC 61968 Standards.</p>	<p>Grid Classes: 61970-457 DY Profile</p> <p><i>David Bogen (ONCOR)</i> 30 Minutes</p> <p>The CIM Approach to Standard Dynamics Model Exchange</p> <ul style="list-style-type: none"> - Basics of dynamics modeling - Update on Edition 2 of IEC 61970-457 	
14:30 – 14:45	BREAK		
14:45 – 15:00	<p>Review of XSD Messages for all 61986 Part Standards</p> <p><i>Todd Viegut (EMERSON AspenTech)</i> 60 Minutes</p> <p>Show and tell for some or all the XSDs that are part of the 61968 Standards. Includes IEC 61968 Part 4, 3, 5, 8, and 9.</p>	<p>Network Model - EQ Profile (Advanced & Special Topics)</p> <p><i>David Bogen (ONCOR)</i> 60 Minutes</p> <p>Advanced equipment modeling, including</p> <ul style="list-style-type: none"> - Transformer Models - HVDC - Power Electronics - Short Circuit - Auxiliary Equipment - DER (3 phase balanced - feeder head) 	
15:00 – 15:15			
15:15 – 15:30			
15:30 – 15:45			
15:45 – 16:00	<p>Introduction to CIM-Based Integration</p> <p><i>Speaker TBD (TBD)</i> 30 Minutes</p> <ul style="list-style-type: none"> - Interface specification documentation details 	<p>Grid Classes: 61970-456 SSH Profile</p> <p><i>David Bogen (ONCOR)</i> 60 Minutes</p> <p>Power Flow Case Inputs for the Steady State Hypothesis (SSH)</p> <ul style="list-style-type: none"> - Status - Controls - Limits - Energy distribution 	
16:00 – 16:15			
16:15 – 16:30	<p>CIM-Based Integration – a Deep Dive</p> <p><i>Speaker TBD (TBD)</i> 45 Minutes</p> <p>A deep dive into CIM-based integration and a look at the Success Factors that should be considered for any integration project.</p>		<p>Grid Classes: 61970-456 TP, SV Profiles</p> <p><i>David Bogen (ONCOR)</i> 15 Minutes</p> <p>Power Flow Case Outputs</p> <ul style="list-style-type: none"> - Topology and State Variables
16:30 – 16:45			
16:45 – 17:00			
17:00	ADJOURN		
17:00 – 19:00	Day 1 optional event: NONE		



Conference Day 2 | Room: Synergy East & West | Wednesday, 23 September 2026

Time	Topic	Presenter
8:00 – 9:00	REGISTRATION	
Session 1		
9:00 – 9:15	Welcome & Intro	<i>David Bogen (ONCOR) & Michael Covarrubias (Xtensible, a SAM Company)</i>
9:15 – 9:30	Keynote (Ameren):	<i>Mark Fronmuller (Ameren)</i>
9:30 – 9:45	Keynote (EMERSON AspenTech): Industry Call to Action: Building a Foundation for the Next Phase of Grid Transformation	<i>Sally Jacquemin (EMERSON AspenTech)</i>
9:45 – 10:15		
10:15 – 10:45		
10:45 – 11:00	BREAK	
Session 2		
11:00 – 11:30	Bridging Transmission, Distribution, and the Enterprise: Instance data, APIs and the Common Data Model	<i>David Bogen (ONCOR)</i>
11:30 – 12:00		
12:00 – 12:30		
12:30 – 13:30	LUNCH	
Session 3		
13:30 – 14:00	Silver Sponsor: Siemens	
14:00 – 14:30		
14:30 – 15:00		
15:00 – 15:15	BREAK	
Vendor Presentations		
15:15 – 15:30		
15:30 – 15:45	EMERSON AspenTech	
15:45– 16:00	IPS-Energy	
16:00 – 16:15		
16:15– 16:30	Siemens	
16:30 – 16:45		
16:45 – 17:00	Xtensible, a SAM Company	
17:00	ADJOURN (walk to the evening networking event in the same venue)	
17:30 – 19:30	Evening Networking Event: Anheuser-Busch St Louis Brewery	



Conference Day 3 | Room: Synergy East & West | Thursday, 24 September 2026

Time	Topic	Presenter
8:00 – 9:00	REGISTRATION	
Session 4		
9:00 – 9:30	Topic TBD	<i>TBD (Ameren)</i>
9:30 – 10:00	Stay Ahead of Grid Complexity: Unlocking the Value of Network Model Management	<i>Jim Whittle & Arnaud Gredin (EMERSON AspenTech)</i>
10:00 – 10:30		
10:30 – 10:45	BREAK	
Session 5		
10:45 – 11:15	Silver Sponsor: IPS-Energy	
11:15 – 11:45	The “Golden” Profile: CGMES and a North American Profile	<i>David Bogen (ONCOR)</i>
11:45 – 12:15		
12:15 – 13:15	LUNCH	
Session 6		
13:15 – 13:45	Silver Sponsor: Xtensible, a SAM Company	
13:45 – 14:15		
14:15 – 14:45		
14:45 – 15:00	BREAK	
Session 7		
15:00 – 15:30	New Features in CIMTool	<i>Todd Viegut (EMERSON AspenTech)</i>
15:30 – 16:00	What's New in the Latest CIM UML Model Release (Model Managers' Report)	<i>Todd Viegut (WG13 Model Manager)</i>
16:00 – 16:15	UCA Updates	<i>Dr. Ryan Willcockson (UCA Users Group)</i>
16:15 – 16:30	Closing Comments Two \$100 Amazon Gift Card Drawing <i>(must be present to win)</i>	<i>UCA and CIMug Co-Chairs</i>
16:30	ADJOURN	