

Bridging the Gap - Modeling to Operation

Time	Technical Tutorials Monday, April 8	
8:00	Registration / Breakfast	
	<u>Track A</u> Industrial Systems	<u>Track B</u> Transmission & Distribution Systems
9:00	<p>Arc Flash Essentials of Arc Flash Analysis (LV to HV)</p> <p><i>Applying IEEE 1584-2018 Standard AC/DC arc flash hazard assessment and prevention ArcFault™ - high voltage arc flash per OSHA compliance</i></p>	<p>Grid Code Compliance ABC's of Generation Impact Studies</p> <p><i>Technical requirements for integration of renewables Interconnection study methodologies Screening and impact analysis of distributed generation DER with smart inverter applications</i></p>
10:30	Break / Technology Exhibition	
11:00	<p>Protection & Coordination A Systematic Approach for Performing PDC Studies</p> <p><i>Easily determine zones of protection and coordination Effectively conduct studies and validate protective device settings Reduce months of work to a few hours by automatic evaluations Application of rule books to standardize design and prevent errors</i></p>	<p>Distribution Network Analysis Design, Evaluate, Optimize & Automate</p> <p><i>Learn about long-range planning and optimization tools and their applications with respect to solving problems in an integrated Transmission and Distribution power system model.</i></p>
12:30	Lunch	
1:30	<p>Unified Protection & Dynamic Stability Bridge Transient & Protection Studies</p> <p><i>Study the interdependency between system dynamics and relay actions Tune relay settings to act properly during transient events Design and test remedial protection schemes Evaluate overcurrent and impedance relays during power swings Study generator protection during loss of excitation</i></p>	<p>Advanced Distribution Grid Management Integrated Model-Based SCADA, DMS & OMS</p> <p><i>Learn about the features, capabilities and benefits of an integrated ADMS built on the scalable and modular ETAP model-driven platform. Improve safety, efficiency and quality of service by making GIS data work for you in the field.</i></p>
3:00	Break / Technology Exhibition	
3:30	<p>Electromagnetic Transients Switching Transients, TRV, SSR and Inrush</p> <p><i>Tutorial on modeling, solution practices, and simulation of various electromechanical and electromagnetic phenomena; including transformer inrush, switching transients, insulation coordination, sub-synchronous resonance and more.</i></p>	<p>Renewable Energy Design & Sizing of Wind Turbine & Solar Farms</p> <p><i>Characteristics of WTG and PV components Production estimation for feasibility studies Effects of intermittency of renewable energy Limitations imposed by utility Grid Code requirements Design and size commercial and utility scale systems</i></p>
5:00	Welcome Reception / Technology Exhibition	

Time	General & Plenary Sessions Tuesday, April 9
8:00	Registration / Breakfast
9:00	<p align="center">Bridging the Gap - Modeling to Operation Welcome & Introductions Opening Keynote Featured Guest Speaker</p> <p align="center"><i>Hear this powerful, intriguing session and galvanize your thinking towards the next logical step in technology, and the role of smarter power systems in the digital transformation of industry.</i></p>
10:30	Break / Technology Exhibition
11:00	<p align="center">Creating & Leveraging Situational Intelligence: A Model-Driven Approach Presentations & Panel Discussions</p> <p align="center"><i>Join our panelists and speakers on their journey towards intelligent situational awareness through transforming information to actionable decisions.</i></p> <p align="center"><i>Linking data and analytics across organizational boundaries via model-driven power system analysis & real-time predictive operation solution to achieve fast, proactive decision-making.</i></p>
12:30	Lunch
1:30	<p align="center">The Real ROI of Model-Driven Power Management System</p> <p align="center"><i>Learn from our customer success stories as we examine multiple real-world examples of how ETAP Real-Time™ technology and novel automation methods solved operational challenges while helping owner-operators achieve their business goals.</i></p>
3:00	Break / Technology Exhibition
3:30	<p align="center">Collaborative Engineering Using Smart Management Tools Presentations & Panel Discussions</p> <p align="center"><i>How to shorten a power study from months to weeks? How to conduct system studies while considering other ongoing modifications and future upgrade projects?</i></p> <p align="center"><i>Discover how ETAP NetPM™ Network Project Management and etapAPP™ Field Data Collections & Model Synchronization tools are creating seismic shifts in efficient project execution, allowing for parallel modeling and studies to drastically shorten project delivery timeframe from months to weeks.</i></p>
5:00	Technology Exhibition
6:30	 <i>Dinner & Entertainment</i>

Time	Solution Sessions Wednesday, April 10	
8:00	Breakfast	
	<u>Track A</u>	<u>Track B</u>
9:00	<p>Railway Traction & Airport Power Systems From railways to the highways in the skies</p> <p><i>Gain better understanding of the challenges and corresponding ETAP solutions offered to airports and railways systems.</i></p> <p><i>Case studies will cover the practical application and benefits of eTraX™ Railway Traction Power as wells as solutions used for design and operation of airport facilities.</i></p>	<p>MicroGrid Control Deeper Insights, Faster Decisions, Real-Time Actions</p> <p><i>Best practice in a step-by-step process for designing, testing and deploying a microgrid controller with analytical insights to improve decision making.</i></p> <p><i>Leverage distributed energy resources (DER) including solar, wind and energy storage systems for optimal system operation with ETAP μGrid™</i></p>
10:30	Break / Technology Exhibition	
11:00	<p>Geospatial Network Modeling Distribution Power Network Connectivity Model</p> <p><i>A network connectivity model is the most crucial step towards situational awareness and situational intelligence. View the latest techniques incorporated in ETAP that are making the process automated for model development and maintenance.</i></p>	<p>Intelligent Load Shedding Economic Benefits of <i>Faster-Than-Real-Time</i> System</p> <p><i>Learn how ETAP ILS™ Intelligent Load Shedding solution continuously predicts and simultaneously responds to system disturbances as they happen.</i></p> <p><i>Case studies will be presented to demonstrate the significant benefits and realized savings of implementing model-based intelligent load shedding technology.</i></p>
12:30	Lunch	
2:00	<p style="text-align: center;">eProtect™ Enterprise Relay Protection & Asset Management System</p> <p><i>A behind the scenes preview of the Enterprise Asset and Protective Relay Settings Management Solution with integrated Advanced Fault Analysis System (AFAS™)</i></p>	
3:00	Closing Social	