



**AGENDA**

**19<sup>th</sup> Annual ETAP Nuclear Utility Users Group (NUUG)  
Conference & Symposium**

ETAP Learning Center – Irvine, CA  
June 18 – 20, 2019


**ETAP NUUG Executive Committee:**

Timothy Lensmire  
Executive Chairman  
NextEra Energy  
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Jeff Weibelt  
Technical Chairman  
Southern Nuclear  
205-992-7649  
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Preston Cooper  
Associate Chairman / Secretary  
TVA Nuclear  
(423) 751-7697  
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**Tuesday, June 18**

8:00 – 9:00	<ul style="list-style-type: none"> <li>• <b>Registration</b></li> <li>• <b>Continental Breakfast / Networking</b></li> </ul>		
9:00 – 10:00	<p><b>Welcome and Introductions</b></p> <ul style="list-style-type: none"> <li>• Opening, Officer and Attendee Introductions</li> <li>• Review Agenda and NUUG Purpose</li> <li>• Welcome to the House of ETAP</li> </ul>	<p>Tim Lensmire      NUUG Chair</p> <p>Jeff Weibelt      NUUG Technical Chair</p> <p>Farrokh Shokooh      ETAP</p>	
10:00 – 10:30	<p><b>Keynote Address</b> <i>The Future of Higher Education: What's Next?</i></p>	 <p>F. King Alexander      LSU President</p>	
<b>BREAK</b>			
11:00 – 11:30	INPO Strength in Power System Analysis	Jeff Weibelt	SNC
11:30 – 12:00	Estimating the Effects of Small Voltage and Frequency Changes on Industrial Induction Motor Loading	Mark Bowman	TVA
<b>LUNCH</b>			
1:00 – 2:30	<p><b>Group Discussion</b> NRC DBAI Electrical Issues &amp; Operating Experience</p>	NUUG Officers	
<b>BREAK</b>			
3:00 – 3:45	Fast Bus Transfer	Sandhya Madan	MPR
3:45 – 5:00	ETAP 19 and Upcoming 19.5	Tanuj Khandelwal	ETAP
5:30 – 9:00	Dinner – El Torito Cantina		



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### Wednesday, June 19

8:30 – 9:00	<b>Continental Breakfast / Networking</b>		
9:00 - 9:30	Calculation Structure & Margin Management	Allen Barrow	SNC
9:30 – 10:00	Columbia Generating Station (CGS) ETAP Model and Arc Flash Considerations	David Dearing	Energy Northwest
BREAK			
10:30 – 12:00	<b>Predictive System Behavior</b> Rule Based Predictive Situational-Awareness for Planning & Operation	Mark Bowman Hugo Castro	TVA ETAP
12:00 – 12:15	<b>NUUG Group Photo</b>		
LUNCH			
1:15 – 2:30	<b>Q&amp;A</b> NUUG Interactive Q&A with ETAP	Jeff Weibelt Albert Marroquin Jun Qiu	NUUG Technical Chair ETAP ETAP
BREAK			
3:00 – 3:30	Fleet-Wide Process Automation of Engineering Calculations – The Endgame	Mark Bowman	TVA
3:30 – 4:00	Automated Testing of OPDS Digital Multifunction Protective Relays using Simulated Data from ETAP	Amjad Al-Shakarji	Energy Northwest
4:00 – 4:45	eProtect™ Relay Protection & Asset Management System	Tanuj Khandelwal	ETAP
4:45 – 6:00	Networking / Social		
Open Evening – No Group Event See you at 8:30 am tomorrow			



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**Thursday, June 20**

8:30 – 9:00	<b>Continental Breakfast / Networking</b>		
9:00 – 9:45	Lessons Learned from Robinson Offsite Power Upgrade Project	Neal Simmons Jeff Shearer	Duke Energy Zachry Nuclear
9:45 – 10:30	Modeling Combining Lessons Learned	Socrates Bui	Enercon
<b>BREAK</b>			
11:00 – 12:00	<b>IEEE 3002 Dot Standards – 3002.2, 2.3, 2.7, 2.8, 2.9</b> Recommended Practice for Conducting System Studies and Analysis of Industrial and Commercial Power Systems. Opposing requirements of Load Flow, Short Circuit, Motor Starting, Harmonics, and Transient analysis will be discussed.	Farrokh Shokooh	3002 Working Group Chair
<b>LUNCH</b>			
1:00 – 2:00 2:00 – 2:30	<b>ETAP Arc Flash Education Sessions</b> • Arc-Flash Analysis Using IEEE 1584-2018 • A Second Look into DC Arc-Flash Methods • High Voltage Arc Flash – ArcFault	Raghu Veeraraghavan Albert Marroquin	ETAP ETAP
<b>BREAK</b>			
3:00 – 3:45	Open Phase Solution Implementation	Kazimierz (Casey) Leja	Exelon Corp
3:45 – 4:30	<b>ETAP Future Enhancement Symposium</b>	Jun Qiu Tanuj Khandelwal	ETAP ETAP
4:30 – 5:00	• <b>NUUG Business Meeting</b> • Conference Close	NUUG Officers	
5:30 – 9:00	• Casino Night / Dinner – Laguna Hills Center / Bahar Catering • Conference Awards		