



**2018 ETAP Nuclear Utility Users Group (NUUG)
Conference & Symposium**
ETAP Learning Center – Irvine, CA
June 19 – 21, 2018

ETAP NUUG Executive Committee:

Mark D. Bowman
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Jeff Weibelt
Associate Chairman / Secretary
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Tuesday, June 19

8:00 – 9:00	<ul style="list-style-type: none"> • Registration • Continental Breakfast • Networking 		
9:00 – 10:00	<p>Welcome and Introductions</p> <ul style="list-style-type: none"> • Opening, Officer and Attendee Introductions • Review Agenda and NUUG Purpose • Welcome to the House of ETAP 	Mark Bowman	NUUG Executive Chair
		Tim Lensmire	NUUG Technical Chair
		Farrokh Shokoo	ETAP
10:00 – 10:30	<p>Keynote Address</p> <ul style="list-style-type: none"> • Writing in the Margins: Taking Advantage of Conservative Designs 	Wayne Johnson	EPRI
BREAK			
10:45 – 12:00	<p>SNA / Duke Software Quality Assurance Process / Plant ETAP Upgrades</p>	Jeff Weibelt Neal Simmons	SNA Duke
LUNCH			
1:00 – 2:30	<p>NRC DBAI Electrical Issues & Operating Experience (Interactive Group Discussion)</p>	NUUG Officers	
BREAK			
3:00	<p>Officer Announcement</p>	Mark Bowman	NUUG Chair
3:00 – 3:45	<p>Maximum Control Circuit Length Validation Using ETAP Load Flow Module</p>	Kaleb Drew	ENERCON
3:45 – 5:00	<p>ETAP 18 Capabilities Related to Nuclear</p>	Tanuj Khandelwal	ETAP
5:00 – 5:30	Networking / Social		
6:00 – 9:00	<ul style="list-style-type: none"> • Texas de Brazil: Churrascaria (Brazilian Steakhouse) 		



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Wednesday, June 20

8:30 – 9:00	Continental Breakfast / Networking		
9:00 - 9:30	ETAP Modelling		
	• Brunswick ETAP Model	Hever Rendon	Duke
9:30 – 10:00	• Point Beach AC ETAP System Model	Tim Lensmire	Point Beach
BREAK	ETAP Tour		
	ETAP Education Sessions		
10:30 – 12:00	• Smart Project Management (Multi-Dimensional DB, Multi-User, etc.)	Farrokh Shokooh	ETAP
	• Transformer Inrush & No Load in Transient Stability	Jianjun Guo	ETAP
	• Protective Device Actions in Transient Stability	Mohammad Zadeh	ETAP
12:00 – 12:15	NUUG Group Photo		
LUNCH			
1:00 – 2:30	Q&A		
	• Interactive Q&A with ETAP	Tim Lensmire	NUUG Technical Chair
BREAK			
3:00 – 3:15	NUUG Business Meeting		
	• Announcement of Officer Nomination	NUUG Officers	
3:15 – 4:00	TVA Calculation Process Improvement	Mark Bowman	TVA
4:00 – 5:00	Perry Plant Startup Transformer Replacement Project	Sandhya Madan	MPR
5:00 – 6:00	Networking / Social		
Open Evening – No Group Event See you at 8:30 am tomorrow			



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Thursday, June 21

8:30 – 9:00	Continental Breakfast Networking		
9:00 – 9:20	Offsite Power Capability (Competing Analysis)	Tammy Womack	TVA
9:20 – 9:45	Latent Errors in TVA Plant Model	Preston Cooper	TVA
	Silent Error Correction in ETAP 14.1 Conversion	Nazan Roshdieh	ETAP
9:45 – 10:30	Modeling Programmable Relays for Overcurrent Protection Applications	Dillon Green	ENERCON
BREAK			
11:00 – 12:00	ETAP Education Session <ul style="list-style-type: none"> • Advanced Short Circuit Engine • Relay Scheme Logic 	Jun Qiu	ETAP
		Mohammad Zadeh	ETAP
LUNCH			
1:00 – 2:30	ETAP Future Enhancement Symposium	Jun Qiu Farrokh Shokooch	ETAP ETAP
BREAK			
3:00 – 3:45	Microsoft SQL and ETAP	Michael Sykes	SNC
3:45 – 4:30	ETAP Output Reports	Tanuj Khandelwal	ETAP
4:30 – 5:00	NUUG Business Meeting <ul style="list-style-type: none"> • Officer Election • Conference Close 	NUUG Officers	
5:00 – 9:00	Networking / Social <ul style="list-style-type: none"> • Casino Night & Dinner • Conference Awards 		

ETAP 251

DC Arc Flash Analysis - Advanced

June 22, 2018
9:00 am – 4:00 pm

Morning Session

- DC Arc Flash Analysis & Result Analyzer
 - DC Arc Flash Concept & Overview
 - Calculation Methods (Max. Power, Paukert, Stokes & Oppenlander)
 - Data Requirements
 - Parameter Settings / Adjustments
 - Result Analyzer
 - Exercise

Afternoon Session

- New IEEE 1584 - 2018 Arc Flash Standard
 - IEEE 1584 2018 Arc-Flash Model - Draft 4
 - Effect of Electrode Configurations
 - Arcing Current Variation
 - Enclosure Effects & Correction Factor
 - Effect of Electrode Material Copper / Aluminum – for low-voltage equipment
 - What differences to expect between old and new model