

AGENDA
2017 ETAP Nuclear Utility Users Group (NUUG)
Conference

ETAP Learning Center – Irvine, CA
 June 20 – 22, 2017

ETAP NUUG Executive Committee:

Mark D. Bowman
 Executive Chairman
 TVA Nuclear
 423-751-8239
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Timothy Lensmire
 Technical Chairman
 NextEra Energy
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Jeff Weibelt
 Associate Chairman / Secretary
 Southern Nuclear
 205-992-7649
jbweibel@southernco.com

Tuesday, June 20

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 Chair
		Tim Lensmire	NUUG Technical Chair
		Farrokh Shokooh	ETAP
10:00 – 10:30	<p>Keynote Address</p> <ul style="list-style-type: none"> • Equipment Reliability – Advocating Solutions and Managing Risk 	Shawn Simon	INPO
BREAK			
10:45 – 12:00	<p>Modeling</p> <ul style="list-style-type: none"> • Modeling and Process OE – Open Dialog 	Jeff Weibelt	NUUG Associate Chair
LUNCH			
1:00 – 2:30	<p>Discussion</p> <ul style="list-style-type: none"> • NRC CDBI Electrical Issues & Operating Experience Group 	NUUG Officers	
BREAK			
3:00 – 3:45	<p>Open-Phase</p> <ul style="list-style-type: none"> • Open Phase Modeling In ETAP 	Arihant Jain (AJ)	ENERCON
3:45 – 5:00	<p>ETAP 17</p> <ul style="list-style-type: none"> • New Modules & Capabilities 	Tanuj Khandelwal	ETAP
5:00 – 5:30	Networking / Social		
6:00 – 9:00	<p>Panini Café – Mediterranean Food 8505 Irvine Center Dr, Irvine, CA 92618 (949) 679-9200</p>		

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Wednesday, June 21

8:30 – 9:00	Continental Breakfast / Networking		
9:00 - 9:30	ETAP Modelling		
	<ul style="list-style-type: none"> AC Plant Model Review – Salem 	Audrey Baricko	PSEG Nuclear
9:30 – 10:00	<ul style="list-style-type: none"> AC Plant Model Review – Farley 	Jeff Weibelt	Southern Nuclear
BREAK			
10:30 – 12:00	ETAP Education - Concurrent Sessions		
	<ul style="list-style-type: none"> AC/DC Arc Flash + Current Decay 	Conf. Room	Raghu Veeraraghavan ETAP
	<ul style="list-style-type: none"> Motor Protection, Size & kV 	Learning Center	Pirooz Barkhordar ETAP
12:00 – 12:15	NUUG Group Photo		
LUNCH			
1:00 – 2:30	ETAP Model Management Best Practices		NUUG Officers
BREAK			
3:00 – 3:45	DC Analysis		
	<ul style="list-style-type: none"> Asymmetric DC Analysis 	Brian Curran	MPR
3:45 – 4:30	<ul style="list-style-type: none"> 260/130V Center Tapped Battery Model and Voltage Analysis using ETAP 	Glenn McCarthy	S&L
4:30 – 5:30	AP1000		
	<ul style="list-style-type: none"> Get to Know the AP1000 	Nicholas Bloch	SNC
5:30 – 6:00	Networking / Social		
Open Evening – No Group Event See you at 8:30 am Thursday			

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Thursday, June 22

8:30 – 9:00	Continental Breakfast / Networking		
9:00 – 9:30	Q&A <ul style="list-style-type: none"> • NUUG Interactive Q&A With ETAP 	Tim Lensmire	NUUG Technical Chair
9:30 – 10:15	Motor Starting <ul style="list-style-type: none"> • Investigation of Minimum Motor Starting Requirements 	Mark Bowman Amber Aboulfaida	TVA
BREAK			
10:45 – 12:00	Motor Behavior <ul style="list-style-type: none"> • Fundamentals and Dynamic Behavior 	Farrokh Shokooh	ETAP
LUNCH			
1:00 – 2:30	ETAP Education - Concurrent Sessions <ul style="list-style-type: none"> • Star Auto Evaluation • Time-Domain Unbalanced Load Flow & Unbalanced Short-Circuit 	Conf. Room Learning Center	Pirooz Barkhordar ETAP Salman Kahrobaee ETAP
BREAK			
3:00 – 3:45	Transient Analysis <ul style="list-style-type: none"> • New Approach to Diesel Generator Transient Analysis 	Dominic Pedone Tuan Nguyen	ENERCON SNC
3:45 – 4:30	ETAP Development <ul style="list-style-type: none"> • Future Enhancement Symposium 	Jun Qiu	ETAP
4:30 – 5:00	NUUG Business Meeting <ul style="list-style-type: none"> • Conference Close • Participants and Presenters Awards 	NUUG Officers	
5:00 – 5:45	Networking / Social		
6:00 – 9:00	Fuddruckers 23621 El Toro Rd, Lake Forest, CA 92630 (949) 830-7210 <ul style="list-style-type: none"> • “Big Daddy” and Outstanding Presentation Awards 		

Agenda
ETAP 261 DC and Control System – Advanced
1-Day Workshop

ETAP Learning Center – Irvine, CA

June 23, 2017

9:00 am – 4:00 pm

Morning Session

Afternoon Session

➤ DC Load Flow & Short Circuit Analysis

- DC Load Flow & Purpose of Study
- DC System Elements & Behavior in Load Flow
- DC Load Flow Adjustments
- Reports/Alerts
- Purpose of DC Short Circuit Study
- DC System Elements & Behavior in Short Circuit
- DC Short Circuit Adjustments
- Reports/Alerts

➤ DC Control Systems Modeling & Operation

- Control System Elements & Concept
- Control System Diagram Modes
- Setting up Control System Diagram
- Control Logic in CSD Module
- Simulation of CSD in ETAP & Methods
- Scenario Options in ETAP
- Reports / Alerts

➤ AC CSD Demonstration