

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
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Timothy Lensmire
 Technical Chairman
 NextEra Energy
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Jeff Weibelt
 Associate Chairman / Secretary
 Southern Nuclear
 205-992-7649
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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 Tim Lensmire Farrokh Shokooh | NUUG Chair NUUG Technical Chair 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

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|--|--|-----------------|--------------------------|
| 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"> Motor Protection, Size & kV | Conf. Room | Pirooz Barkhordar ETAP |
| | <ul style="list-style-type: none"> AC/DC Arc Flash + Current Decay | Learning Center | Raghu Veeraraghavan 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

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|---------------|--|---------------------------------|---|
| 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"> • Time-Domain Unbalanced Load Flow & Unbalanced Short-Circuit • Star Auto Evaluation | Conf. Room Learning Center | Salman Kahrobaee ETAP Pirooz Barkhordar 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