

# *Agenda*

## **Air-Operated Valve Users' Group Annual Conference**

**January 17 - 19, 2018  
New Orleans Marriott  
New Orleans, Louisiana USA**

### **Monday, January 15, 2018**

7:00 AM – 4:30 PM    **AUG/MUG/CANUG/FLMUG Conference Registration**    Registration Desk

### **Tuesday, January 16, 2018**

7:00 AM – 4:30 PM    **AUG/MUG/CANUG/FLMUG Conference Registration**    Registration Desk

## Air-Operated Valve Users Group Conference Wednesday, January 17, 2018

7:00 AM – 4:30 PM	Registration Desk Open	Registration Desk
7:00 – 8:00 AM	Continental Breakfast (Conference or Exhibitor Badge Req'd)	Exhibit Hall

**AUG General Session** **Room tbd**

8:00 – 8:30 AM	Opening Remarks/Introduction	<i>Chuck Linden, AUG Chair/Palo Verde</i>
8:30 – 9:00 AM	Status of Regulatory Activities on Air-Operated Valves	<i>Mike Farnan/US NRC</i>
9:00 – 9:30 AM	Why Do We Need An AOV Program?	<i>Ken Beasley/Kalsi Engineering</i>
<b>9:30 – 10:00 AM</b>	<b>Break</b>	<b>Exhibit Hall</b>
10:00 – 10:30 AM	EPRI Update	<i>Nick Camilli/EPRI</i>
10:30 – 11:45 AM	Closed Session:– <b>Utility Only</b> Operating Experiences, Steering Committee Elections, PWROG AOV Core Team Update	<i>Aaron Mach/STPEGS, Fred Setzer/Duke Energy</i>
<b>11:45 AM – 1:00 PM</b>	<b>Hosted Lunch &amp; Networking Break</b> (Included with registration fee)	<b>Exhibit Hall</b>

**AUG Workshop Tracks** **See locations below**

AOVs FOR NEWBIES-Rm TBD	MAINTENANCE TRACK – Rm TBD	ENGINEERING TRACK-Rm TBD
<p style="text-align: center;"><b>AOV 101 Workshop - Patricia Arredondo/Farley, Mark Gruber/Prairie Island</b></p> <p>1:00 - 3:00 PM Introductions History Philosophy Components of an AOV Program</p>	<p style="text-align: center;"><b>Pneumatic Positioner Training - Fred Skeath/Susquehanna</b></p> <p>1:00 – 2:15 PM Pneumatic Positioner Theory &amp; Operation 2:15 – 3:00 PM Hands-On Setup &amp; Maintenance</p>	<p style="text-align: center;"><b>Delivering the Nuclear Promise - 10CFR50.69 Alternative Treatment Workshop for AOVs Jennifer Varnedoe/Duke, Pat O'Regan/EPRI</b></p> <p>1:00 - 3:00 PM</p>
<b>3:00 – 3:30 PM Break</b>	<b>3:00 – 3:30 PM: Break</b>	<b>3:00 – 3:15 PM: Break</b>
<p style="text-align: center;"><b>AOV 101 Workshop continued</b></p> <p>3:30 – 4:30 PM Program Interactions Your teammates Ancillary duties The future</p>	<p style="text-align: center;"><b>Pneumatic Positioner Training continued</b></p> <p>3:30 – 4:30 PM Hands-On Setup &amp; Maintenance, continued</p>	<p style="text-align: center;"><b>AOV Design Basis Review Discussion</b></p> <p>3:15 – 4:30 PM: DBR to Acceptance Criteria to Test Analysis to Functional Margin - <i>Tom Walker/EPRI, Ken Beasley/Kalsi</i></p>

4:30 – 6:30 PM	Welcome Reception & Vendor Exhibit Displays	Exhibit Hall
6:30 – 10:00 PM	Hospitality Events	Check With Exhibitors

# Air-Operated Valve Users Group Conference

## Thursday, January 18, 2018

7:30 AM – 4:30 PM      **Registration Desk Open**

Registration Desk

7:00 – 8:00 AM      **Continental Breakfast (Conference or Exhibitor Badge Required)**

Exhibit Hall

### AUG Workshop Tracks See locations below

MAINTENANCE TRACK – Rm TBD	ENGINEERING TRACK – Room TBD
<p style="text-align: center;"><b>Actuator Maintenance Tips &amp; Tricks Workshop - Jim Meeker/Baker Hughes</b></p> <p>8:00 – 9:30 AM Rebuild Tips &amp; Tricks Actuator model 37/38, Sigma-F model 47/48 &amp; Domotor</p>	<p style="text-align: center;"><b>AOV Program/Design Topics Presentations &amp; Open Discussion: Fred Setzer/Duke Energy, Uzair Irfan/Fermi</b></p> <p>8:00 – 8:30 AM: A Review of Advanced Modeling Techniques for Quarter-Turn Air Operators – <i>Zach Leutwyler &amp; Ken Beasley/Kalsi Engineering</i></p> <p>8:30 – 9:30 AM: The Nuclear Promise &amp; Assessment of Category 2 AOVs - <i>Eric Solla, Joe Santangelo, Teledyne</i></p>
<p style="text-align: center;"><b>OEM Atwood &amp; Morrill MSIV Workshop – Mike Macdonald/Weir, Felix Coulter/Coulter Valve Svc</b></p> <p>9:30 – 10:00 AM</p>	<p style="background-color: #d9ead3; padding: 2px;"><b>9:30 – 9:45 AM: Break</b></p> <p>9:45 – 10:00 AM: QME-1 Qualification of Valves – <i>Ralph Yeardeley/NTS</i></p>
<p style="background-color: #d9ead3; padding: 2px;"><b>10:00 – 10:30 AM: Break</b></p>	<p>10:00 – 10:15 AM: Process for Using PPM for Non-Traditional Valve Designs, <i>Paul Knittle/MPR Associates</i></p>
<p style="text-align: center;"><b>Packing Workshop - Rick Pepin, Gary Boles/EPRI</b></p> <p>10:30 – 12:15 PM Proper maint. techniques for installation &amp; retorquing New packing technology &amp; improved practices OE from packing manufacturers field representatives</p>	<p>10:15 – 12:15 PM: Delivering the Nuclear Promise - Value Based Maintenance Strategy for AOVs – <i>Greg Estep/Duke Energy, Derek Valine/APT</i></p>

**12:15 PM – 1:30 PM Hosted Lunch & Networking Break** (Included with registration fee)

Exhibit Hall

### AUG Workshop Tracks continued See locations below

MAINTENANCE TRACK – Rm TBD	ENGINEERING TRACK – Room TBD
<p style="text-align: center;"><b>Elastomer Inspections, Meredith Bell/Emerson</b></p> <p>1:30 – 2:30 PM: Examples of types/levels of degradation Key inspection points Determining cause based on type of degradation</p>	<p style="text-align: center;"><b>Appendix IV Workshop &amp; Panel Discussion Fred Setzer/Duke, Mike Barlok/TVA</b></p> <p>1:30 – 2:45 PM: Workshop &amp; Panel Discussion 2:45 – 3:00 PM: How to Address Stem/Obturator Separation on AOVs, <i>Bill Fitzgerald/Consultant, Marcellus Ruff/Exelon</i></p>
<p style="text-align: center;"><b>Valve Position Indication, Greg Merrifield/TopWorx</b></p> <p>2:30 – 3:00 PM: Switch operation vs mechanical lever arm type Setup, mounting, &amp; troubleshooting Equivalency packages for retrofits</p>	<p style="background-color: #d9ead3; padding: 2px;"><b>3:00 – 3:30 PM: Break</b></p>
<p style="background-color: #d9ead3; padding: 2px;"><b>3:00 – 3:30 PM: Break</b></p>	<p style="background-color: #d9ead3; padding: 2px;"><b>3:00 – 3:30 PM: Break</b></p>
<p style="text-align: center;"><b>Valve In-body Machining Fisher Price &amp; Clark Turner/Climax-Calder</b></p> <p>3:30 – 4:30 PM: Techniques for grinding &amp; lapping valve seats Best practices &amp; lessons learned</p>	<p style="text-align: center;"><b>Appendix IV Workshop continued</b></p> <p>3:30 – 4:30 PM: Wrap Up/Open Discussion (Bring questions, concerns, info to share, etc)</p>

**4:30 – 6:30 PM      Reception & Vendor Exhibit Displays**

Exhibit Hall

**6:30 – 10:00 PM      Hospitality Events**

Check with Exhibitors

## Air-Operated Valve Users Group Conference Friday, January 19, 2018

8:00 – 11:30 AM	<b>Registration Desk Open (Note: Expo is closed today.)</b>	Registration Desk
7:00 – 8:00 AM	<b>Continental Breakfast (Conference Badge Required)</b>	room tbd

### AUG Training Track

**Room TBD**

8:00 – 8:30 AM	Recap of Training Tracks	<i>Steering Committee</i>
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### AOV DIAGNOSTIC WORKSHOP Facilitators: *Mike Rhodes/Columbia, Patricia Arredondo/Farley, Chuck Linden/Palo Verde*

8:30 – 10:00 AM	AOV Diagnostic Workshop <ul style="list-style-type: none"><li>• Trace Analysis Workshop</li></ul>
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**10:00 – 10:30 AM: Break (no expo today.)**

10:30 – 11:30 AM	AOV Diagnostic Workshop with Vendor Panel <ul style="list-style-type: none"><li>• Acquisition</li><li>• Advanced Analysis</li><li>• Error Analysis</li><li>• Transducers</li><li>• Test Problems</li><li>• Weird Traces</li></ul>
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**11:30 AM**      **Conference Adjourns**

*Thank you for joining us this year. Please make plans to attend our next Air-Operated Valve Users Group (AUG) Conference in January 2019 in Palm Desert, California:*

**Air-Operated Valve Users Group (AUG) Conference  
January 16 - 18, 2019  
JW Marriott Desert Springs Resort & Spa  
74855 Country Club Drive  
Palm Desert, CA, USA  
[www.aovusersgroup.com](http://www.aovusersgroup.com)**