

AUXILIARY EQUIPMENT / FILTRATION	COMPRESSOR MAINTENANCE	DIVIDER BLOCK SYSTEMS
Room 323	Room 324	Room 330
<b>TUESDAY</b>	<b>TUESDAY</b>	<b>TUESDAY</b>
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
<b>Air Cooler Design &amp; Evaluation</b> <i>Scott Edwards, Worldwide Air Coolers</i>	<b>Recip Compressor Packing - Design Maint, Emissions, Reduction &amp; Troubleshooting</b> <i>David Schroeder, Howden CPI</i>	<b>Operation, Maint. &amp; Troubleshooting Compressor Force Feed Divider Block Systems - Part I</b> <i>Curtis Roys, Patton Divider Block Systems</i>
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
	<b>Compressor Valves 101 &amp; Roundtable Discussion</b> <i>Steve Chaykosky, Siemens Energy</i>	<b>Operation, Maint. &amp; Troubleshooting Compressor Force Feed Divider Block Systems - Part II</b> <i>Curtis Roys, Patton Divider Block Systems</i>
<b>WEDNESDAY</b>	<b>WEDNESDAY</b>	<b>WEDNESDAY</b>
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
<b>Tube Bending Safety</b> <i>Mike Gagel, Swagelok</i>	<b>Compressor Valve Design and Troubleshooting</b> <i>Randy Dal Molin, Hoerbiger</i>	<b>Force Feed Divider Block Systems Operating Against Diff. Pressure Part I</b> <i>Curtis Roys, Patton Divider Block Systems</i>
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10
<b>Tube Bending Safety</b> <i>Mike Gagel, Swagelok</i>	<b>Compressor Skid Controls &amp; Troubleshooting - Part I</b> <i>Mason Neisner/Jeff Flores, FW Murphy</i>	<b>Force Feed Divider Block Systems Operating Against Diff. Pressure Part II</b> <i>Curtis Roys, Patton Divider Block Systems</i>
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
	<b>Compressor Skid Controls &amp; Troubleshooting - Part II</b> <i>Mason Neisner/Jeff Flores, FW Murphy</i>	
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
	<b>Advanced Vibration Troubleshooting on Recip Compressors &amp; Other Units</b> <i>Sagar Kamat, Wood</i>	
<b>THURSDAY</b>	<b>THURSDAY</b>	<b>THURSDAY</b>
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
	<b>Differential Pressure Effects on Lubrication &amp; Wear Components</b> <i>Randy Dal Molin, Hoerbiger</i>	
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10

ENVIRONMENTAL HEALTH AND SAFETY	GAS PROCESSING	GENERAL INTEREST
Room 325	Room 326	Room 327
<b>TUESDAY</b>	<b>TUESDAY</b>	<b>TUESDAY</b>
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
<b>Background on Stationary Engines</b>  <i>Chris Werner, EPA</i>	<b>TEG Gas Dehydration</b>  <i>Mike Reinecke, Titan Production Equipment</i>	
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
<b>Methane Capture - Rod Packing &amp; Blowdown</b>  <i>Ryan Gentry, Archrock</i>	<b>BTEX Units and Combustors</b>  <i>Terry Nelson, SpiralX LLC</i>	<b>Reciprocating Capacity Control &amp; Unloading Systems</b>  <i>Randy Dal Molin, Hoerbiger</i>
<b>WEDNESDAY</b>	<b>WEDNESDAY</b>	<b>WEDNESDAY</b>
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
<b>Methane Emission Reduction Best Practices</b>  <i>Doug Sahm, ZEVAC</i>	<b>Gas Dehydration Part I</b>  <i>Terry Nelson, SpiralX LLC</i>	<b>Becoming an Effective Industry Advocate</b>  <i>Seth Johnson &amp; 'Butch' Myers, TC Energy</i>
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10
<b>Emissions Reduction Technologies for Recip Compressors</b>  <i>Randy Dal Molin, Hoerbiger</i>	<b>Gas Dehydration Part II</b>  <i>Terry Nelson, SpiralX LLC</i>	<b>Useful Software for the Compression Industry</b>  <i>Joe Wilson, ACI Services</i>
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
<b>Technologies for EPA OOOO-B</b>  <i>Mark Sommer, Sommer Energy Technologies/Allegheny Control Prod.</i>	<b>Glycol Dehydration</b>  <i>Tony Brown, K&amp;R Operating</i>	<b>Intro to Welding Inspection on Compressor Station Piping</b>  <i>Michael Thompson, Equitrans Midstream</i>
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
<b>Background on Stationary Engines</b>  <i>Chris Werner, EPA</i>	<b>Natural Gas Dehydration</b>  <i>Tony Brown, K&amp;R Operating/Mike Reinecke, Titan</i>	<b>Distran Acoustic Leak Detection &amp; Real-Time Quantification</b>  <i>Johan Wictor, Pergam Technical Services</i>
<b>THURSDAY</b>	<b>THURSDAY</b>	<b>THURSDAY</b>
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
<b>Rod Packing Capture</b>  <i>Bobby Franklin, ZEVAC</i>		<b>Giving Powerful Presentations</b>  <i>Charlie Krebs, Communication Arts</i>
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10

<b>INTEGRAL GAS ENGINE MAINTENANCE</b>	<b>LUBRICATION &amp; FILTRATION</b>	<b>MAINTENANCE RELIABILITY</b>
<b>Room 328</b>	<b>Room 329</b>	<b>Room 334</b>
<b>TUESDAY</b>	<b>TUESDAY</b>	<b>TUESDAY</b>
<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>
<b>Myths, Falsehoods &amp; Plain Old Lies</b>  <i>Seth Johnson, TC Energy</i>	<b>Force Feed Compr Lubrication: Operation, Maint, Troubleshooting, Optimization</b>  <i>Matt McCarthy, Sloan Lubrication</i>	<b>Condition Monitoring for Reciprocating Compressors</b>  <i>John Kingham, Bently Nevada</i>
<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>
<b>AJAX Engine - Compressor Overview</b>  <i>Randy Anderson, Cooper Machinery</i>	<b>Oil Selection</b>  <i>Howard Soule, Petro-Canada Lubricants</i>	<b>Epoxy Grout for Critical Equipment Foundations</b>  <i>Andrew Simms &amp; Ken Gerdes, TechMar</i>
<b>WEDNESDAY</b>	<b>WEDNESDAY</b>	<b>WEDNESDAY</b>
<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>
<b>Turbochargers &amp; Scavenge Blowers</b>  <i>Greg Adams, Cooper Machinery</i>		<b>Anchor Bolts</b>  <i>Andrew Simms &amp; Ken Gerdes, TechMar</i>
<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>
<b>Emission Control Technologies for Integral Engines</b>  <i>Randy Anderson, Cooper Machinery</i>	<b>What Could Possibly Go Wrong?</b>  <i>Philip Flor, Filtration Systems, Inc.</i>	<b>Vibration &amp; Temperature Monitoring for Compression</b> <i>Mark Sommer, Sommer Energy Technologies/Allegheny Control Prod.</i>
<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>
<b>OEM Clark / IR 2-Stroke Discussion</b>  <i>Doug Bird &amp; Kevin Davies, Siemens Energy</i>	<b>Understanding Varnish Formation &amp; Innovative Mitigation Strategies</b>  <i>Doug Muennich, RelaDyne Inc.</i>	<b>Bearing Basics for Engines &amp; Compressors</b>  <i>Greg Bone, Miba Bearings LLC</i>
<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>
<b>Principles of Cementitious Grout</b>  <i>Christopher Piekos, Technical Director</i>		<b>Gas Engine Enhancements for Improved Emissions &amp; Operational Efficiency</b>  <i>Khalid Hassan, Caterpillar Corp.</i>
<b>THURSDAY</b>	<b>THURSDAY</b>	<b>THURSDAY</b>
<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>
<b>OEM Siemens Energy _ Gas Engine _ Compression Revitalization Story</b> <i>Thomas (Mac) Sine &amp; Kevin Davies, Siemens Energy</i>		<b>Gas Engine Enhancements for Improved Emissions</b>  <i>Khalid Hassan, Caterpillar Corp.</i>
<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>
<b>OEM Siemens Energy - A Longtime Newcomer</b>  <i>Travis Phoenix, Siemens Energy</i>		

OSHA HEALTH & SAFETY		PERFORMANCE RELIABILITY	
Room 335		Room 336	
TUESDAY		TUESDAY	
1:00 - 2:30		1:00 - 2:30	
<b>Fatigue &amp; Mental Health for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Advancements in Bolted Connections</b>  <i>Andrew Longacre, Millennium Torque &amp; Tensioning</i>	
2:40 - 4:10		2:40 - 4:10	
<b>Heat Stress &amp; Excavations for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Compressor Station Control System Design Considerations</b>  <i>Jarod Gray, Basic Systems, Inc.</i>	
WEDNESDAY		WEDNESDAY	
8:00 - 9:30		8:00 - 9:30	
<b>Fatigue &amp; Mental Health for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Pigging: When, Why &amp; How</b>  <i>Trevor Gum, Equitrans</i>	
9:40 - 11:10		9:40 - 11:10	
<b>Heat Stress &amp; Excavations for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Devices &amp; Methods for Controlling a Compressors Load &amp; Flow</b>  <i>Aaron Schwartz, ACI Services, Inc.</i>	
1:00 - 2:30		1:00 - 2:30	
<b>Fatigue &amp; Mental Health for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Vibration &amp; Performance Monitoring of Rotation Equipment</b>  <i>Sagar Kamat, Wood</i>	
2:40 - 4:10		2:40 - 4:10	
<b>Heat Stress &amp; Excavations for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>		<b>Failure Analysis - Recognizing Fatigue</b>  <i>Jim Dettore, FAS, Inc.</i>	
THURSDAY		THURSDAY	
8:00 - 9:30		8:00 - 9:30	
<b>Fatigue &amp; Mental Health for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>			
9:40 - 11:10		9:40 - 11:10	
<b>Heat Stress &amp; Excavations for Oil &amp; Gas Workers</b>  <i>Tiffany Rice, CSP &amp; Wayne Lindstrom, CSP</i> <i>WVU Safety &amp; Health Extension</i>			

PIPELINE VALVE & ACTUATION MAINTENANCE		ROUNDTABLE DISCUSSIONS	
<b>Room 401</b>		<b>Room 402</b>	
<b>TUESDAY</b>		<b>TUESDAY</b>	
<b>1:00 - 2:30</b>		<b>1:00 - 2:30</b>	
<p><b>Ball Valve Basics</b></p> <p><i>Walter Elmquist, Northrup Equip.</i></p>		<p><b>Advocacy Leaders</b></p> <p><i>Forum Discussion</i></p>	
<b>2:40 - 4:10</b>		<b>2:40 - 4:10</b>	
<p><b>The Evolution of LDAR Technology: Enhancing Environmental Compliance &amp; Operational Efficiency</b></p> <p><i>Chris Spataro, Hetek Solution</i></p>		<p><b>High Speed - Unit Roundtable Discussion</b></p> <p><i>Forum Discussion</i></p>	
<b>WEDNESDAY</b>		<b>WEDNESDAY</b>	
<b>8:00 - 9:30</b>		<b>8:00 - 9:30</b>	
<p><b>Safe Bolting &amp; Valve Actuators</b></p> <p><i>Casey Anderson, Brian Foy &amp; Julian Spinosi, HYTORC Penn-Ohio</i></p>		<p><b>Unit Alignment Demonstration &amp; Discussion</b></p> <p><i>Matt Ingram, Boyd Caterpillar</i></p>	
<b>9:40 - 11:10</b>		<b>9:40 - 11:10</b>	
<p><b>Ball Valve Lubrication: Tips &amp; Tricks</b></p> <p><i>Walter Elmquist, Northrup Equip.</i></p>		<p><b>Incorporating Technology in Web Deflection Measurements</b></p> <p><i>Chris Clarke &amp; Victor Lantz, TC Energy</i></p>	
<b>1:00 - 2:30</b>		<b>1:00 - 2:30</b>	
<p><b>Understanding Remote Controlled Control Valves &amp; Automated Block Valves Part I</b></p> <p><i>Ray Schneblen, Precision Pipeline Equipment, Inc.</i></p>		<p><b>Aletek Exhaust Heat Blankets</b></p> <p><i>Michael Holt, Aletek</i></p>	
<b>2:40 - 4:10</b>		<b>2:40 - 4:10</b>	
<p><b>Understanding Remote Controlled Control Valves &amp; Automated Block Valves Part II</b></p> <p><i>Ray Schneblen, Precision Pipeline Equipment, Inc.</i></p>		<p><b>Cooper Machinery Slow Speed User's Group Meeting &amp; Forum</b></p> <p><i>Randy Anderson, Cooper Services</i></p>	
<b>THURSDAY</b>		<b>THURSDAY</b>	
<b>8:00 - 9:30</b>		<b>8:00 - 9:30</b>	
<p><b>Zero Emission Actuation Solutions for Pipeline Valves Provide a Greener Solution</b></p> <p><i>Shahrum Iqbal &amp; Howard Williams, Bray</i></p>		<p><b>Turbine Centrifugal Unit Roundtable Discussion</b></p> <p><i>Forum Discussion</i></p>	
<b>9:40 - 11:10</b>		<b>9:40 - 11:10</b>	
<p><b>EPA's New Regulations, Their Effect on Process Controllers, and Options for Operators</b></p> <p><i>Tim Chicoine, Wedgerock</i></p>			

TECHNICAL AND ENGINEERING	INTRODUCTION TO COMPRESSOR STATIONS - \$450	OEM ARIEL
Room 403	Room 410	Room 404
TUESDAY	TUESDAY	TUESDAY
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
<b>Compressor Station Basics Part I</b>  <i>Doug Law, Basic Systems, Inc.</i>	<b>Natural Gas Basics and Safety</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Recip Compressor Components &amp; Considerations</b>  <i>Ian Welch, Ariel</i>
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
<b>Compressor Station Engineering Part II</b>  <i>Doug Law, Basic Systems, Inc.</i>	<b>Compressor Station Equipment and Yard Piping</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Force-Feed Lubrication System &amp; Troubleshooting</b>  <i>Kyle Jones, Ariel</i>
WEDNESDAY	WEDNESDAY	WEDNESDAY
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
<b>Vibration and Pulsation Control on Reciprocating Compression Part I</b>  <i>Chris Miller, Compression Dynamics Consulting</i>	<b>Auxiliary Systems and Equipment</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Ariel Smart Compressor</b>  <i>Ian Welch, Ariel</i>
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10
<b>Vibration and Pulsation Control on Reciprocating Compression Part II</b>  <i>Chris Miller, Compression Dynamics Consulting</i>	<b>Operating Characteristics of Recip. &amp; Centrifugal Compressors</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Packing 101: How they operate</b>  <i>Ian Welch, Ariel</i>
1:00 - 2:30	1:00 - 2:30	1:00 - 2:30
<b>Surface Hardening Techniques for Crankshafts for Improving Crankshaft Fatigue Life</b>  <i>Alex Decker, Ellwood Crankshaft Group</i>	<b>Design Characteristics of Prime Movers</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Packing 102: Disassembly &amp; Reassembly Techniques</b>  <i>Ian Welch, Ariel</i>
2:40 - 4:10	2:40 - 4:10	2:40 - 4:10
<b>The Importance of Laser Shaft Alignment</b>  <i>David Metz, Fluke</i>	<b>Factors Basic to Reciprocating Compressor Operation</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	<b>Packing 103: Leak Paths (Vent &amp; Purge Systems)</b>  <i>Ian Welch, Ariel</i>
THURSDAY	THURSDAY	THURSDAY
8:00 - 9:30	8:00 - 9:30	8:00 - 9:30
	<b>Characteristics of the Primary Equipment in a Compressor</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	
9:40 - 11:10	9:40 - 11:10	9:40 - 11:10
	<b>Reciprocating Compressor Comp &amp; Cylinder Operation</b>  <i>Bud Smith, Equitrans; Kevin Reed, Rosedale Technical College</i>	

OEM CAT	OEM SOLAR TURBINES	OEM WAUKESHA
<b>Room 405</b>	<b>Room 408</b>	<b>Room 409</b>
<b>TUESDAY</b>	<b>TUESDAY</b>	<b>TUESDAY</b>
<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>
<b>Gas Engine Product Health</b> <i>Scott Double, Cleveland Brothers</i>	<b>Gas Compressor Product &amp; Technology Update</b> <i>Jonathan Rodriguez, Solar Turbines</i>	<b>Navigating the Evolving Emissions Landscape (ESG/Rich Burn)</b> <i>Carl Jahns, INNIO Waukesha Engine</i>
<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>
<b>CAT ET</b> <i>Donovan Ward, Cleveland Brothers</i>	<b>Solar® CATCH4 : Methane Abatement</b>	<b>Waukesha/Detection: Full Skid Monitoring</b> <i>Dylan Abel, INNIO Waukesha Engine</i>
<b>WEDNESDAY</b>	<b>WEDNESDAY</b>	<b>WEDNESDAY</b>
<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>
<b>G3500 / G3600 Engine Tuning</b> <i>Scott Double/Donovan Ward, Cleveland Brothers</i>	<b>Gas Compressor Performance and Restage</b> <i>Jonathan Rodriguez, Solar Turbines</i>	<b>Navigating the Evolving Emissions Landscape (ESG/Rich Burn)</b> <i>Carl Jahns, INNIO Waukesha Engine</i>
<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>
<b>CAT Electronics Part I</b> <i>Pat Bailor, Cleveland Brothers</i>	<b>SoLoNOx Combustion System</b> <i>Estuardo Ivan Lopez, Solar Turbines</i>	<b>Waukesha/Detection: Full Skid Monitoring</b> <i>Dylan Abel, INNIO Waukesha Engine</i>
<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>	<b>1:00 - 2:30</b>
<b>CAT Electronics Part II</b> <i>Pat Bailor, Cleveland Brothers</i>	<b>Right Part, Right Time: Enabling Operation &amp; Maintenance Success</b> <i>Rodney Jones, Solar Turbines</i>	
<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>	<b>2:40 - 4:10</b>
<b>CAT Electronics Part III</b> <i>Pat Bailor, Cleveland Brothers</i>	<b>Introduction to InSight Platform for Operators</b> <i>Andrew Jamgochian &amp; Nick Lamonica, Solar Turbines</i>	
<b>THURSDAY</b>	<b>THURSDAY</b>	<b>THURSDAY</b>
<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>	<b>8:00 - 9:30</b>
<b>CAT HMI (Updates &amp; Installation)</b> <i>Donovan Ward, Cleveland Brothers</i>	<b>Technical Training Overview for Station Operators</b> <i>Estuardo Ivan Lopez, Solar Turbines</i>	
<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>	<b>9:40 - 11:10</b>
<b>CAT Engine Product Health</b> <i>Scott Double, Cleveland Brothers</i>	<b>The Future of Control &amp; Display Systems</b> <i>Bryant Bender, Solar Turbines</i>	