



June 7th & 8th

2023

**Houston, TX, USA
George R. Brown
Convention Center**

Advance Conference Program



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VALVE WORLD AMERICAS EXPO & CONFERENCE 2023

JUNE 7TH & 8TH, 2023
GEORGE R. BROWN CONVENTION CENTER
HOUSTON, TX, USA



DAY ONE: Wednesday, June 7th, 2023

10:00 AM	Keynote 1	<i>Chairman's Welcome – Trace Scrivner, ExxonMobil</i>
10:30 AM	Keynote 2	<i>EPA Update & Environmental Technological Advancements – Bronson Pate, MagDrive Technologies</i>
11:00 AM	Keynote 3	<i>Optimizing the Global PVF Supply Chain for a Sustainable Future – Jack McCarthy, MRC Global</i>

11:30 AM - 1:00 PM	Panel Discussion - IOGP Update	
	<i>Session Chair: Tony Smart</i>	
	<p>The IOGP (International Association of Oil and Gas Producers) has among its members some of the major oil companies in the world. All of these companies had internal requirements to be used in conjunction with design standards when purchasing industrial valves. The goal of IOGP is to harmonize end user requirements to reduce cost overrun due to over specification by individual projects and engineering. In this panel, two of these new documents will be explored: SPECIFICATION S-562, Supplementary Requirements to API Spec 6D – Ball Valves & SPECIFICATION S-611, Supplementary Requirements to API 600 Steel Gate Valves and to API 603 CRA Gate Valves. Update on IOGP - follow up from last panel discussion.</p> <p>Panelists:</p> <ul style="list-style-type: none">• Trace Scrivner, ExxonMobil• Wojciech Zmudzinski, BP• Greg Peterson, MRC Global• Carlo De Bernardi, ConocoPhillips• Brad Michelle, Chevron• Ayman Cheta, Shell• Gobind Khiani, Enbridge• Haitham ElSeddik, Chevron• Luke Chou, ValveHax	

1:30 PM - 3:30 PM	Panel Discussion - Valve Design & Specification – The Good, Bad & Ugly of API, ISO, ASME, MSS, TA-LUFT & End User Specs, etc.	
	<i>Session Chairs: Charlie Metrailler, MRC Global</i>	
	<p>Panelists will provide an overview and discuss experiences working with different design standards, certifications & specifications. Audience members will be provided with the opportunity to ask questions and participate in this panel discussion that will cover the good, the bad & the ugly of API, ISO, ASME, MSS and more!</p> <p>Panelists:</p> <ul style="list-style-type: none">• Trace Scrivner, ExxonMobil• Wojciech Zmudzinski, BP• Ron Merrick, Consultant (formerly Fluor)• Paul Heald, Bonney Forge• Michael Walley, LyondellBasell• Mark Ruffin, Teadit• Glen Beal, MRC Global• Matt DeLong, IHI Energy Solutions• Greg Johnson, United Valve• Tony Lambert, VanAire• Barry Hoeffner, Ladish Valves	

3:30 PM - 5:00 PM	Panel Discussion - Supply Chain, Procurement & AML Optimization	
	<i>Session Chair: Luke Chou, ValveHax</i>	
	<p>This thought-provoking panel discussion will bring together industry experts to examine the current procurement, logistics, and AML challenges in a "post-pandemic" world. With developing geopolitical risks, shifting customer preferences, and complex global logistics challenges, this discussion will offer a deep dive into the pressing issues facing the valve manufacturing industry. Panelists will explore the changes in procurement and AML management strategies that attempt to address these factors, and delve into what these shifts could mean for the future of the industry. Don't miss this opportunity to gain valuable insights and expertise from some of the most knowledgeable voices in the field.</p> <p>Panelists:</p> <ul style="list-style-type: none">• Trace Scrivner, ExxonMobil• Chris Conrad, Chevron• Claire Dwyer, Fluor• Bill Patrick, Dow Chemical• Mitch Anderson, Bray International• Courtney Rau, Chevron• Greg Peterson, MRC Global• Sam Davis, RFS Compliance Solutions• Gobind Khiani, Enbridge• Nelson Bello, Aderca	



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DAY TWO: Thursday, June 8th, 2023

10:00 AM	Keynote 4	<i>Creating the Next Generation of Career Engineers and Subject Matter Experts – Dan DeVine, Corteva Agriscience/Midland Engineering</i>
10:30 AM	Keynote 5	<i>Attracting and Leading with People – Craig Brown, Bray International</i>
11:00 AM	Keynote 6	<i>Modernizing Research & Development for the Future – Carlos Girão, Teadit</i>

	Valve Safety		Control Valves		Industry Trends
	Session Chair: Foster Voelker II, Williams Valve		Session Chair: Greg Peterson, MRC Global		Session Chair: Tim Goedeker, TRICORD Consulting
11:30 AM - 1:00 PM	<p>Have you ever tried to paddle upstream? You learn very quickly that maintaining a consistent paddle rate is imperative and any reduction in effort results in slower progress or, in the worst case, a complete loss of the ground gained. Process safety works the same way – if a company does not train and enforce safety procedures frequently, complacency sets in and bad habits return. Valves, for example, need proper understanding, from the people selecting them to the people being sent to work with them.</p> <ul style="list-style-type: none"> • <i>Block and Check Valves in Process Safety: Addressing the Mechanical Integrity Element of Process Safety</i> – Dan DeVine, Corteva Agriscience/Midland Engineering • <i>Considerations in the specification of Fuel Gas Safety Shutoff Valves</i> – Jay Hunt, Valmet • <i>Failsafe Function of Electric Motor Operated Valves (or What to Do When the Power Goes Out)</i> – Dean Geraci, ProMation • <i>TBD</i> - Tony Lambert, VanAire 	11:30 AM - 1:00 PM	<p>As operators in the oil & gas industry, it is vitally important to optimize the performance of control valves to maximize efficiency and profitability while maintaining safety and reliability. Usually, during a turnaround or maintenance, control valves need to be replaced or upgraded to maximize efficiency and profitability. In the past century, there have been many technological advancements in medical science, artificial intelligence, autonomous flying vehicles, and more.</p> <ul style="list-style-type: none"> • <i>Control Valve Technologies in Thermoplastics</i> – Shane McDaniel, Asahi/America • <i>Managing Noise in Control Valve Applications</i> – Solibella Bencomo, Valmet • <i>Pressure Balanced Coaxial Valves</i> – Ralf Hinz, co-ax Valves • <i>Using Computational Fluid Dynamics for Real-World Control Valve Design</i> – Justin Bernard, Bray International 	11:30 AM - 1:30 PM	<p>This session will feature presentations on a variety of hot trends impacting the flow control industry such as hydrogen, supply chain decarbonization, carbon capture & transport, and more.</p> <ul style="list-style-type: none"> • <i>The Valve 'Climate' in the Next Decade (2030s)</i> – Tim Goedeker, TRICORD Consulting • <i>Reducing Likelihood of Potential Loss of Primary Containment (LOPC) Incidents Through Use of Machine Learning Algorithms to Identify Trends and Correlations Between LDAR Survey Data, Frequent Stem Leaks, and Tier 1 & Tier 2 LOPC Events</i> - Wojciech Zmudzinski & Richard Sobilo, BP • <i>ESG Reconciliation Utilizing Engineered Gear Operators</i> – Tim Chicoine, Wedgerock Engineered Solutions & Gobind Khiani, Enbridge • <i>Proposed Changes to EPA Regulation 40 CFR 60 in Regard to Pneumatic Controllers</i> – Tim Chicoine, Wedgerock Engineered Solutions & Gobind Khiani, Enbridge • <i>Path to Net Zero: Emissions Reduction and Delivering Sustainable Operations through Collaboration</i> – Dave Anderson, Score Group • <i>Digitalization Trends for Field On-Off Mechanical Assets in the Process Industry</i> – Riyaz Ali & Girish Dalbhanjan, Emerson Automation Solutions
1:00 PM - 2:30 PM	<p>Fugitive Emissions Monitoring & Sealing Technologies</p> <p>Session Chair: Bronson Pate, MagDrive Technologies</p> <p>Keeping track of fugitive emissions in a plant with thousands of components to be monitored is a daunting task. The team leading the effort has to coordinate tasks within several departments and also keep a constant tab on upcoming legislation. Join this workshop to learn the latest technologies in monitoring and testing of valves to achieve success in your program.</p> <ul style="list-style-type: none"> • <i>Influence of PTFE Coating Content in High Temperature Application of Fugitive Emissions Graphite Packings</i> – Carlos D. Girão & João H. Pontes, Teadit • <i>Sustainable Polymer Based Sealing Solutions in the New Circular Economy and the Special Case of Fluoropolymers and PFAS Restrictions</i> – Tim Bremner, Advanced Sealing Technologies • <i>Do Valves Really Contribute 60% of Refinery Emissions Today? Current Status and Improvement Potential in Industrial Valve Fugitive Emissions</i> – Michael Bouckaert, Valmet • <i>Zero Emission Valve Automation for Gas Pipelines</i> – Howard Williams & Shahrum Iqbal, Bray International • <i>Reduction of Fugitive Emissions – Valve Testing According to ISO 15848-1</i> – Simon Weiler, Amtec 	1:00 PM - 2:30 PM	<p>Valve Maintenance & Repair Total Cost of Ownership</p> <p>Session Chair: Gilbert Alonzo, Consultant</p> <p>A typical industrial plant has thousands of valves; each one of them prone to disrupt production in case of failure. Total cost of ownership relates to the direct and indirect costs for valves. This includes factors like purchase price, repair costs, replacement costs, and costs of downtime for repairs and maintenance.</p> <ul style="list-style-type: none"> • <i>Business Benefits of Valve Condition Monitoring</i> – Dave Anderson, Score Group • <i>The Valve Trifecta - Best Quality, Best Delivery, Best Price Is it Achievable?</i> – Charlie Metrailler, Matt Hartfiel & Tom King, MRC Global • <i>Three Pillars of Compliance</i> – Rodney Roth, RFS Compliance Solutions • <i>Quality in the Valve Industry - Going Above & Beyond</i> – Mitch Anderson, Bray International 	1:30 PM - 3:30 PM	<p>Hydrogen Valves</p> <p>Session Chair: Ed Edgar, SLB</p> <p>Hydrogen is expected to play a significant part in the low-carbon future that lays ahead. When interacting with the production and handling of any fluid, valves are not only necessary but critical to successful operations. A valve design in a hydrogen application requires two types of materials; metallic materials when dealing with high pressure and cryogenic temperatures, and non-metallic materials for overall static and dynamic sealing and seating.</p> <ul style="list-style-type: none"> • <i>Hydrogen Challenges for Valves</i> – Matthew Doherty, SLB • <i>The Hydrogen Economy and the Role of the Valve Industry</i> – Will Powers, Bray International • <i>MSS Standard for Valves in Hydrogen Service</i> – Greg Johnson, United Valve • <i>Keeping up with Hydrogen - a Vision on Testing</i> – Emiel Lechevallier, Ventil • <i>The Study of Expanded Graphite Material in Low-E Usage Conditions in High temperature and Cryogenic Services, Specifically Severe Hydrogen Applications</i> – Takashi Nishi, Nippon Pillar



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DAY TWO: Thursday, June 8th, 2023

	Emerging Technologies: Low Emissions	Emerging Technologies: Digital Transformation		Emerging Technologies: Valves & Packing
	Session Chair: David Yakos, MagDrive Technologies <p>This workshop will showcase presentations on the latest in low emission technology.</p> <ul style="list-style-type: none"> • Magnetic Solutions for Lower Emissions – David Yakos, MagDrive Technologies • EZ Pack Extreme - Low-E Injectable – Bronson Pate, Teadit/MagDrive Solutions • LiveSeal Fitting - Low-E Injectable Port – Rodney Roth, RFS Compliance Solutions 	Session Chair: Luke Chou, ValveHax <p>Join this session to explore how AI, IIoT, and additive manufacturing will disrupt the valve industry. Leading experts will delve into new technologies impacting design optimization, asset monitoring, and production revolution.</p> <ul style="list-style-type: none"> • Additive Manufacturing of Valves – Carlo De Bernardi, ConocoPhillips, Roberto Bolzonella, Petrolvalves & Slade Gardner, Big Metal Additive • How AI is Going to Change the Industry – Luke Chou, ValveHax • The Journey Towards Wellhead Autonomation – Hossam Gharib, StreamFlo • Reducing Operational Costs in Valve Manufacturing and Distribution through Artificial Intelligence-based Bill of Materials Sourcing and Response – Marty Dytrych, Industrial Data Labs • Metal Additive Manufacturing - Recent Advances, Proof of Concept, and Industry Hurdles – Daniel McConnell & Michael Kitchens, Bray International 		Session Chair: Brindesh Dhruva, Bray International <p>This workshop will showcase presentations on a number of emerging technologies impacting the flow control business with a focus on new valve, packing, sealing and actuation technology.</p> <ul style="list-style-type: none"> • Data Driven Predictive Health Monitoring of Valves and Actuators – Oscar Jimenez & Jack Booker, Bray International • Challenges in Torque Reduction and Lifecycle Time Increase for Quarter Turn Trunnion Ball Valve – Luca Paggi, Flowserve • Issues Faced by Plants When Going from Base Loaded to Quick Cycling – Daniel Freebern, Advanced Valve Solutions • Valves for Molten Salt Applications – Shridhar Patil, Flowserve India Controls Pvt. Ltd.
2:30 PM			3:30 PM	





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Reconnect with Your Community at Valve World Americas Expo & Conference 2023

A Message from the Chairman



I am honored and excited to be serving as Chairman for the Valve World Americas Conference 2023. I am most looking forward to working with the Steering Committee to develop an in-depth and educational Conference Program, in preparation for the event.

Currently, there are significant ongoing changes and challenges in the global markets, and the valve industry is no exception. There is great opportunity to see new emerging valve technologies, especially in the areas of design, monitoring, controls, automation, maintenance, and testing. You will also learn about the latest in fugitive emission and leak sealing technology, among several other topics at the upcoming event. These topics will be discussed in more detail with the Steering Committee, to develop a comprehensive program for attendees.

The event and conference topics have broad applicability across the oil & gas industry, including upstream, midstream, and downstream sectors, as well as the chemical, pharmaceutical, and agriculture industries. In addition to a dynamic vendor expo, and an engaging conference, there is ample opportunity for collaboration, networking, education, and innovation.

Why sit on the sidelines when you can be part of the excitement? Submit your abstract today to be considered for participation in Valve World Americas 2023!

Trace Scrivner

Principal Engineer – Piping and Valves

ExxonMobil Technology and Engineering Company (EMTEC)

A Message from the Vice Chairman



I am excited to be the Vice Chairman of Valve World Americas Expo & Conference 2023. Valve World Americas' showcasing of new inventions, practical solutions, productivity enhancements, and cost savings opportunities make it a wonderful event for the entire valve community. I am looking forward to joining other attendees in networking, sharing experiences, the camaraderie, and learning from the outstanding technical papers offered at this event.

Participants have the chance to see firsthand new valve and sealing innovations and to increase technical depth. Whether it is choosing from sitting in on a multitude of presentations, meeting face to face with valve and packing manufacturers, or interacting with companies that provide important services such as supply chain, automation, or repair and reconditioning, this event has something that will engage everyone.

Taking advantage of the opportunity to discover ways to save on valve costs, improve delivery times, develop proper valve maintenance programs, and creating partnerships between manufacturers and end users, is in every valve professional's best interest. You will find your attendance to be time well spent, personally satisfying, and that it can bring profitability to your company or business. I look forward to seeing everyone there.

Regards,

Dan DeVine

Engineer, Corteva AgriScience

Vice President, Midland Engineering, Ltd.

Meet the Valve World Americas 2023 Steering Committee

Alexander Koifman, Owner - AK Consultants (USA)
Amaro Bustamante, Mechanical Engineer - Aramco Services
Andreas Vogt, President & CEO - F.I.R.S.T. GmbH
Andrés Tobacia, Founder - Anything Flows
Aneta Stephens, Director of Global Marketing - Crane Co., ChemPharma, Energy, Nuclear, & Water
Bill Lanning, Product Manager - WOM Inc.
Bill Patrick, Global Improvement Leader – Piping - Dow Chemical Company
Bob Donnelly, Vice President of Business Development - Flo-Tite Valves & Controls
Bob Michael, VP of Quality & Product Compliance - Newway Valve
Brindesh Dhruva, Chief Marketing and Technology Officer - Bray International Inc.
Bronson Pate, Global Fugitive Emissions Director - MagDrive Technologies
Carlo De Bernardi, Staff Valve Engineer – Global Production - ConocoPhillips
Carlos Davila, Product Manager - Crane Fluid Handling
Carlos Girão, R&D Director - Teadit Group
Carlos Pagan-Gutierrez, Program Lead Piping Materials Engineer - Worley
Chance Russo, Sales & Marketing Manager - Sesto Valves
Chris Conrad, Karachaganak (KPO) Engineering – Piping and Valve Technical Authority - Chevron
Chris Day, President - Teadit North Americas
Claire Dwyer, Piping Material Engineer - Fluor Corporation
Courtney Rau, Global Project Materials Management - Chevron
Ed Edgar, Technical Sales Manager - SLB
Elaine Michael, Vice President - Marketing - MRC Global
Euthymios Euthymiou, Subsea and Industrial Valves Consultant -
Foster Voelker II, Director of International Operations - Williams Valve
Fred Schweighardt, National Projects Leader - Airgas, an Air Liquide company
George Garcia, Technical Sales – Transmission and Storage Valves - SLB
Gilbert Alonzo, Consultant – Mechanical Engineer and Valve SME
Glenn Salter, Direct Sales Manager – M&J Valves - Celeros Flow Technology
Gobind Khiani, Fellow-Piping/Pipelines Consultant - Enbridge

Greg Johnson, CEO - United Valve
Greg Peterson, Vice President of Valves Actuation Measurement Instrumentation - MRC Global
Dr. Gregor Gaida, Owner - Dr.Gaida Planungsbüro
Kees Meliefste, Senior Instrumentation Specialist - Dow Chemical
Kerry Millen, Senior Principal Process Engineer - Saint-Gobain
Kyle Rayhill, Regional Sales Director - Valmet
Luke Chou, President - ValveHax
Martin Ryan, Principal Engineer – Covestro
Matt Hartfiel, Vice President Downstream, Industrial and Energy Transition - MRC Global
Michael O'Quinn, President & CEO - International Standard Valve
Nick Tran, Senior Manager ESG - SLB
Patrick Thrash, Senior Manager, Production and Operations Procurement Services Discipline – BP
Rajan Hingorany, President - Intervall Inc.
Robbie Riggs, Vice President of Sales & Marketing - Teadit North America
Rodney Roth, Managing Director - RFS Compliance Solutions
Ron Frisard, Manager of Global Training - A.W. Chesterton Company/Gasketing Division Chairman - Fluid Sealing Association
Salvatore Cimorelli, Principal Scientist - DuPont
Sam Davis, Founder & President - RFS Compliance Solutions
Sara Alford, President - Newmans Valve/PVF Roundtable
Scott Moreland, President of Sales - Quadax Valves, Inc
Steve Thomas, Vice President of Valve Products & Southwest Region Business Development - Bonney Forge Corporation
Sumeet Agarwal, Project Engineer - Zeppelin Systems USA, Inc.
Tim Goedeker, Senior Regulatory Advisor/Professional - TRICORD Consulting
Todd Harrison, Regional Sales Manager - Valmet
Tom Harfield, Sales Manager - Sunbelt Supply
Warren Montgomery, Global Product Line Manager – Packing and Gasketing - A.W. Chesterton/Fluid Sealing Association
Wojciech Zmudzinski, Principal Engineer - Valves - BP

*Steering Committee subject to change.



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EXHIBITORS LIST

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700 VALVE SUPPLY
A&B STAINLESS VALVE
A+R ARMATUREN
A-T CONTROLS
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GOETZE KG ARMATUREN
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TYCON ALLOY INDUSTRIES
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VALMATIC VALVE
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VALVE ACCESSORIES & CONTROLS
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