



**UPDATED  
VERSION**

# **Valve World 2016**

## *Advance Conference Programme*

**Düsseldorf, Germany, 29 November – 1 December 2016**



[www.valve-world.net/vw2016](http://www.valve-world.net/vw2016) – [www.valveworldexpo.com](http://www.valveworldexpo.com)

Sponsors:



Supporter:





*"I would like to thank our Steering Committee for their work in selecting papers from the record number of high-quality submissions this year"*

Conference Chairman, Fergus R. Harrison,  
Instrumentation Technology Leader,  
ExxonMobil Research and Engineering.

### The Valve World Conference 2016 Steering Committee

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Marc Simoëns, Dow Benelux  
Tony Smart, Shell Global Solutions International B.V.  
Karan Sotoodeh, Aker Solutions  
Günter Spiegel, BASF AG  
Pieter Kok, Neway Valve Europe  
Mark Vredegoor, Akzo Nobel Projects & Engineering B.V.



### NEW - Conference Lounge (Hall 5)

This year, a selected panel of End-users, EPCs and Suppliers will form a Conference Lounge to debate and discuss issues across the valve supply chain. This promises to be a lively and relevant discussion for attending.

As one panel member enthused:  
*"It will be lighter and less intimidating than a structured session and the audience are directly interactive. They won't have to sit through a presentation and try to remember their questions at the end."*



## Valve World Expo Forum

These short 20 minutes sessions will be held throughout the three-day event in Hall 5.

Be sure to stop by as a whole range of suppliers update the industry across a wide range of flow control topics.

### TUESDAY 29<sup>TH</sup> NOVEMBER, 2016

Start	Company	Presenter	Presentation Title
10:00	Composite Agency	Sijmon van der Wal	Using CheFEM Simulation Software to Quantify Fugitive Emissions
10:30	Sealweld Corporation	Norah Pierdant	Complete Valve Maintenance Program
11:00	TORK	Yasar MUTLU	Turbo Solenoid Valve
11:30	Fike Corporation	Roger Bours	Reducing Industry Emissions and Cost-Of-Ownership from Critical Safety Devices
14:00	ARC Advisory Group	Constanze Schmitz	Valves in the Cloud
14:45	Neway Valve (Suzhou) Co., Ltd	Allen Wang	Characteristics and Applications for Cryogenic Valves (On/Off) Used in LNG Projects
15:15	Crane ChemPharma & Energy	Buelent Korkmaz	Quality Control: Maintaining compliance with global regulations in the refining industry

### WEDNESDAY 30<sup>TH</sup> NOVEMBER, 2016

Start	Company	Presenter	Presentation Title
10:00	Weir	Andrew Clarke	Advanced safety valve performance - TBC
10:30	Fluorten srl	Francis Lebeau	Novel SPE seal design for Cryogenic Valves
11:00	Habonim	Gaby Jaccoby	Graphite free fire safe valve
11:30	Elfab Limited	Marco Cislighi / Deborah Watson (tbc)	Reduce costs and improve process plant safety with modern rupture discs detection systems
14:00	Crane ChemPharma & Energy	Thorsten S. Beyer	Keeping Emissions in Check: Valve Design, Compliance and Control within NOx Applications
14:30	Samiep Technology Innovations	Satish Vishnu Pathak	Digital Controlled Precise Dispensing Valve for Liquids under Gravity Flow
15:00	NOREVA GmbH	Hans Gustorf	Noreva Nozzle Check Valve Development For Critical Gas Applications
15:30	MRC Solberg & Andersen AS	Simon Jeeves	Monitoring and condition based maintenance – The solution for cost saving

### THURSDAY 1<sup>ST</sup> DECEMBER, 2016

Start	Company	Presenter	Presentation Title
10:00	Godakhtar	Halle Bakhteeyar	Doing business in Iran
10:30	Weir	Adrian Croft	TBC
11:00	Goodwin International Ltd	Paul Root	Technical improvements in axial isolation and control valve design
11:30	DAFRAM SpA	Alessandro Panichella	Controlvalvesizing.eu, the first approach to control valve sizing



### Speaker's Corner, 4pm Tuesday (Hall 5)

The lively Speakers Corner will again offer something interesting for delegates and visitors alike. This is an opportunity to listen, discuss and direct questions to end users and EPC companies as they share their experiences and views with the valve industry.



### Social program

Meet and greet the steering committee, authors, presenters, exhibitors and the staff from your hosts – Valve World and Messe Düsseldorf at this relaxed and informal Welcome Reception designed to launch our event and welcome our valued partners.



Held on Monday, 28<sup>th</sup> November prior to the conference and expo opening, the Welcome Reception will provide you with the opportunity to introduce yourself to the members of the community and to kick-start your participation.

The highlight of the Social Programme of each Valve World Conference & Expo is the Valve World Expo Dinner. Held on the evening of Wednesday November 30<sup>th</sup>, this evening of guaranteed fun, enjoyment and networking will take place in a relaxed atmosphere suitable for further networking. For further information regarding acquiring tickets for The Valve World Expo Dinner & Party please visit our dedicated web pages at [www.valve-world.net](http://www.valve-world.net).

### Practical information

More information about the venue, travel arrangements, tickets, social activities and more can be found at the Conference website: [www.valve-world.net/vw2016](http://www.valve-world.net/vw2016)

## Valve courses

### Valve World presents 2 courses on Monday 28<sup>th</sup> November

To further enhance your company knowledge join our supplementary training and information courses held on Monday 28<sup>th</sup> November (prior to the Valve World Conference & Expo 29<sup>th</sup> November – 1<sup>st</sup> December)

### VALVE ESSENTIALS



A one-day course designed by the Valve World Academy to provide a sound introduction to the fundamentals of industrial valves.



For more detailed information and registration please go to: [valve-world.net/valve-academy](http://valve-world.net/valve-academy)

### Ventil Valve Academy

The knowledge to get you there



A one day course covering advanced valve testing procedures critical to certifying the safety of valves used in diverse industrial applications. The course is split into a morning and afternoon session making it possible to attend either one separately, or both.



Morning Session 9:30 - 13:00

Fugitive Emission Testing



Afternoon Session 14:00 - 18:00

Cryogenic Testing, Fire Safe Testing

For more detailed information and registration please go to: [valve-world.net/research/ventil-academy](http://valve-world.net/research/ventil-academy)

# Valve World 2016 Conference & Expo

## Conference Timetable



### TUESDAY 29<sup>TH</sup> NOVEMBER

09:00	<b>Valve World Welcome Address</b>
09:15	<b>Chairman's Welcome:</b> Fergus Harrison, ExxonMobil Research and Engineering, UK
09:30	<b>Plenary Session 1:</b> Enhancing Pipelines Integrity Through Proper Preventive Maintenance of Valves, Mohanned Waleed Tarabzouni, Saudi Aramco, Saudi Arabia
10:00	<b>Plenary Session 2:</b> Certification of Valves – An end-user's perspective, Marc Simoens, DOW Benelux
10:30	<b>Coffee and Expo break</b>

	ROOM 1	ROOM 2	ROOM 3
	<b>Control Valves (1)</b> Chair: Fergus Harrison, Exxon Mobil, UK	<b>Fugitive Emissions (1)</b> Chair: Gobind Khiani, Fluor Corporation, Canada	<b>Maintenance (1)</b> Chair: Barrie Kirkman, Consultant, UK
11:00	CFD in control valve cavitation modelling, Bergström, Metso Corporation, Finland (16091)	Comparison of emerging fugitive emission standards, Sauger, CETIM, France (16092)	Premature failures of new trap isolation valves; Case study, Tarabzouni, Saudi Aramco, Saudi Arabia (16087)
11:20	Flow-induced vibrations in control valves - an experiment and analytical stability analysis, Budde, TU Darmstadt in cooperation with Samson AG, Germany (16072)	Recent changes in fugitive emissions standards and its ramifications, K.S.Patil, L&T Valves Limited, India (16094)	Condition & performance monitoring (C&PM) of valves: why bother?, Anderson, Score Diagnostics Limited, UK (16083)
11:40	Significant Savings with Attemperator Spray Water Valve Upgrade, Song, IMI Critical Engineering, USA (16089)	Use of PTFE resin in gland packings for valves, Takayama, Nippon Pillar Packing Co Ltd, Japan (16042)	Valve servicing and our experience, Subbarao, NSSL Private Limited, India (16114)
12:00	Experimental and numerical development of a rotary valve with a high pressure expansion ratio, Malavasi, Politecnico di Milano, Italy (16065)	Understanding LDAR and Consent Decree Compliance, Roth, A.W. Chesterton Company, USA (16103)	Can triple offset valves be an alternative to gate valves?, Muneyoshi, KITZ Corporation, Japan (16023)
12:20	Q&A	Q&A	Q&A
12:30	<b>Lunch &amp; Expo Break</b>		

	Workshop	Workshop	Workshop
14:00	<b>SVRP: SIS Valve assemblies Reliability Prediction</b> Moderator: Henk Hinssen, iHandl Engineering, Belgium Workshop panel includes: Ed Holtgraver, QTRCO, USA Ferruccio Pellinghelli & Jacqueline Onditi, Flowserve, Italy Nicola Lucchesi, Velan ABV, Italy Kees Meliefste, DOW, The Netherlands Frans Martens, Shell, The Netherlands The reliability of SIS valve assemblies with focus on SIS ABV actuators.	<b>Fugitive Emissions</b> Moderators: Gobind Khiani, Fluor Enterprises Inc, Canada and Carl Neeskens, INEOS, Belgium The aim of this workshop is to give the audience a platform to discuss developments and experiences on Fugitive Emission standards.	<b>The future of the Industrial Valve</b> Moderator: Andrew Ghiz, Cooper Valves LLC, USA This workshop will be a forward-looking presentation of the supply and demand requirements for industrial isolation and control valves. It will include panelists that represent the end-user, manufacturer and stockist/integrated supply perspectives. The goal of the workshop is to generate lively and productive discussion between the panelists and audience about the future of our industry.
15:30	<b>Coffee &amp; Expo Break</b>		

### Speaker's Corner (Hall 5 - EXPO FLOOR) - Moderator: Barrie Kirkman, Consultant, UK

16:00	Marc Simoens Dow Benelux and Gobind Khiani Fluor Canada share their field experiences on various valve issues and a Special report from Barrie Kirkman on Valve World 's Shanghai, China 2016 Fugitive Emission Summit.
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	ROOM 1	ROOM 2	ROOM 3
	<b>Safety / SIS (1)</b> Chair: Kees Meliefste, Dow Benelux, The Netherlands	<b>Offshore</b> Chair: Karan Sotoodeh, Aker Solutions; Paul Clements, BP, UK	<b>Materials / Castings (1)</b> Chair: Dr. Peter Fischer Fraunhofer ICT, Germany
16:00	Combining rupture discs and safety valves, Rösenberg, Rembe GmbH Safety + Control, Germany (16081)	Subsea valves for high pressure and high temperature service, Williamson, BEL Valves Ltd, UK (16045)	Tungsten carbide coatings for valves' market: State of the Art and future developments, Chierichetti, Flame Spray SpA, Italy (16009)
16:20	Correct valve selection for ESD, Kähkönen, Metso Flow Control, Finland (16032)	Heavy duty behaviour of a cage and sleeve choke valve, Malavasi, Politecnico di Milano, Italy (16068)	Performance measures of foundry excellence, Sanjeev, Mira Alloy Steels Private Limited, India (16027)
16:40	HIPPS Integration, according to the new IEC-61511, de Wolf, Frames, The Netherlands (16093)	Top entry export line (pipeline) ball valves design considerations, Sotoodeh, Aker Solutions ASA, Norway (16002)	Cast vs forged – an ongoing debate, Eilau, Pentair Valves & Controls, USA (16053)
17:00	Q&A	Q&A	Q&A

Register online as a conference delegate [www.valve-world.net/vw2016](http://www.valve-world.net/vw2016)

# Valve World 2016 Conference & Expo

## Conference Timetable

### WEDNESDAY 30<sup>TH</sup> NOVEMBER

09:30	<b>Plenary Session 3:</b> Challenges facing the Iranian Oil & Gas Industry, Amirhossein Razeghi (Managing Director, Oil Industries' Commissioning and Operation Company (OICO), Iran, Halle Bakhtiar, CEO/Aria Energy Management, Iran
10:00	<b>Plenary Session 4:</b> Need for standards - type testing of valves, Mirek Hubacek, Velan, USA
10:30	<b>Plenary Session 5:</b> Cryogenic Testing of Valves, Neeraj Batra, Chiyoda Corporation, Japan
11:00	<b>Coffee and Expo break</b>

	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>Standards &amp; testing (1)</b> Chair: Ron Merrick, Fluor Enterprises Inc, USA	<b>Sealing (1)</b> Chair: Bruno Martin, Technip, France	<b>Actuation</b> Chair: Dr. Guenter Spiegel, BASF, Germany
11:30	NORSOK L-standard revisions. Standardisation work in NORSOK and in Aker Solutions, Eikeland, Aker Solutions, Norway (16084)	Can you predict the friction and actuation requirements of valves using graphite based valve packing?, Richardson, James Walker Co. Ltd, UK (16086)	Improvement of function and reliability of motor driven valves using valve calculation, Tuchtenhagen, TÜV Nord AG, Germany (16033)
11:50	Fugitive emissions - US EPA impact to industry and valve manufacturers, Heald, Bonney Forge Corporation, USA (16006)	Torque increase due to heavy packing tightening in valves, Colomo, Ampo Poyam Valves, Spain (16069)	Articulated slider block application in high cycles pneumatic valve actuators, Riboli, Flowserve S.r.l., Italy (16071)
12:10	Safety valve testing - adjustment of set-pressure and blow down under full flow conditions, Wagner, Areva GmbH, Germany (16037)	Valve stem packing for oxygen service, Girão, Teadit Packing & Gaskets, India (16074)	Seismic analysis of actuators for ball valves, Negrini, Cameron a Schlumberger company, Italy (16098)
12:30	Q&A	Q&A	Q&A
12:40	<b>Lunch &amp; Expo Break</b>		

	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>Design &amp; Modelling</b> Chair: Dr. Peter Fischer Fraunhofer ICT, Germany	<b>Control valves (2)</b> Chair: Mark Vredegoor, Akzo Nobel Projects & Engineering B.V., The Netherlands	<b>Maintenance (2)</b> Chair: Paul Clements, BP, UK
14:00	Solutions to achieve a long life cycle of API 6D Trunnion Mounted Ball Valves, Funato, KITZ Corporation, Japan (16022)	Diaphragm Valves for Control Applications, McClymont, Crane ChemPharma & Energy, USA (16125)	OPTIMOV®: Optimization program for testing without intrusion of motor operated valves, De Cooman / Vanderstappen, TRACTEBEL, Belgium (16010)
14:20	Globe valve numerical simulation : state of the art and comparison with experiment, Hersant, EDF - EDF R&D, France (16025)	Selecting the right valve to reduce cost and increase performance, Foster, Emerson Process Management, USA (16107)	Pressurizer safety valve adjustment under the focus of optimized outage duration and plant availability, Först, Areva GmbH, Germany (16039)
14:40	Valve selection in severe abrasive service, Waters, CGIS, Canada (16105)	Importance of velocity control over pressure control in control valves, Lang, Austria (16036)	Monitoring and condition based maintenance – The solution for cost savings, Jeeves, MRC Solberg & Andersen AS, Norway (16035)
15:00	Q&A	Q&A	Q&A
15:10	<b>Coffee &amp; Expo Break</b>		

### CONFERENCE LOUNGE - Challenging Supply Chains and End User Specifications in the current economic climate

15:40	Moderator: Barrie Kirkman, Consultant, UK  Panel: Fergus Harrison ExxonMobil, Paul Clements BP, Guenter Speigel BASF, Carl Neeskens Ineos, Ron Merrick Fluor USA plus others.
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19:00	<b>Valve World Conference Dinner</b>
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# Valve World 2016 Conference & Expo

## Conference Timetable



### THURSDAY 1<sup>ST</sup> DECEMBER

10:00	<b>Plenary Session 6:</b> Implementing disruptive innovation in the industrial design workplace. Dennis Sherwood, Silver Bullet Machine, UK
10:30	<b>Plenary Session 7:</b> Valve selection for offshore applications – views from End-users and EPC contractors - Karan Sotoodeh, Aker Solutions, Norway
11:00	<b>Coffee &amp; Expo Break</b>

	ROOM 1	ROOM 2	ROOM 3
	<b>Standard &amp; testing (2)</b> Chair: Holger Schmidt, AREVA GmbH, Germany	<b>Sealing (2)</b> Chair: Claire Dwyer, Fluor Enterprises Inc, USA	<b>Materials / Castings (2)</b> Chair: Marc Simoëns, DOW Benelux
11:30	Recent changes in valve standards and implications for manufacturers, K.S.Patil, L&T Valves Limited, India (16096)	Metal seal technologies in valve applications, Ritter, Technetics Group, France (16029)	Shaped centrifugal castings (SCC), Pujana, Ampo Foundry, Spain (16076)
11:50	Cryogenic testing of large production quantities. An approach to time and cost reduction of cryogenic tests, Turon, BAC Valves sa, Spain (16090)	Defining true minimum temperature capabilities of elastomeric seals, Douglas, European Sealing Association, UK (16122)	Innovative experimental evaluation of hardcoatings for ball valves, Sparisci, Dafram SpA, Italy (16088)
12:10	Valve standardization & cost saving, Gu, Neway Valve (Suzhou) Co., Ltd, China (16116)	Evolution of sealing solutions for O&G valves, Valdenaire, Saint-Gobain Performance Plastics, Belgium (16024)	High machinability of duplex and use of hollow bar to improve productivity, Brivio, Sandvik Material Technology, Italy (16061)
12:30	Q&A	Q&A	Q&A
12:40	<b>Lunch &amp; Expo Break</b>		

	ROOM 1	ROOM 2	ROOM 3 WORKSHOP
	<b>Safety / SIS (2)</b> Chair: Kees Meliefste, Dow Benelux, The Netherlands	<b>Fugitive emission (2)</b> Chair: Carl Neeskens, INEOS, Belgium	<b>Disruptive innovation - from theory to practice</b> Moderator: Dennis Sherwood
14:00	Components for functional safety systems – requirements, certificates and typical pitfalls, Isenberg, AUMA Riester GmbH & Co. KG, Germany (16077)	Observations from the lab: failure modes found in LowE testing of valves, Cole, A.W. Chesterton Company, USA (16104)	This interactive workshop builds on Dennis's plenary presentation, and will show how the principles of 'deliberate creativity' can be applied. It is a 'hands-on' workshop without PowerPoint slides or presentations, there will be no expert to 'tell you the answer'. Rather, everyone will have an opportunity to participate in a safe and trusted environment. Attendees will gain direct experience of being 'deliberately creative' and in doing so, will have the confidence to apply this in their professional lives.
14:20	SIL certified final elements? - the challenges faced, providing only a part of the SIF, Thoegersen, Emerson Automation Solutions, Denmark (16014)	Pressure relief valves fugitive emissions testing, Tezzo, Pentair Valves & Controls, USA (16048)	
14:40	Improving safety reliability and plant availability through a hybrid approach to failure modelling, Aschenbrenner, exida.com GmbH, Germany (16063)	Planning for the Next FE Qualification Challenge - a Valve Manufacturers' Perspective, Najarian, Velan, Canada (16102)	
15:00	Operational behaviour of safety valves with constant superimposed back pressure, Gastberg, ARI-Armaturen Albert Richter GmbH & Co KG, Germany (16017)	Endurance of tightness testing - a comparison of tightness testing standards to fugitive emission standards, Vuolanto, Neste Jacobs Oy, Finland (16111)	
15:20	Q&A	Q&A	
15:30	<b>Conference closes</b>		



# Valve World Conference & Exhibition 2016

29<sup>th</sup> November – 1<sup>st</sup> December 2016, Düsseldorf, Germany

## Conference Registration Form

	Until November 26 <sup>th</sup>	Onsite
<b>Passepartout</b>	<input type="checkbox"/> 1499 €	<input type="checkbox"/> 1799 €
<b>Passepartout for Exhibitor</b> (incl. 25% exhibitor discount)	<input type="checkbox"/> 1124 €	<input type="checkbox"/> 1349 €
<b>Passepartout for Presenter</b> (incl. 50% presenter discount)	<input type="checkbox"/> 749 €	<input type="checkbox"/> 899 €
<b>Valve World Expo Dinner &amp; Party on Wed 30 November</b>	<input type="checkbox"/> 75 €	<input type="checkbox"/> 75 €
<b>Total price (excl. 19% VAT)</b>		

**Passepartout does NOT include Valve World Expo Dinner & Party nor lunches during the conference days  
If you are an End-User or EPC contractor please contact Mrs Irina Gast directly to benefit from our special price.**

**Name:** \_\_\_\_\_  
**Position:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Country:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

With this registration, I agree that my name is listed on the attendance list.

Delegate Registration (Prices are in euros excl. 19 % VAT; VAT can be reclaimed via your local tax authorities.  
See the Valve Word 2016 event web pages for further details)

### Payment Information

Payment Via Credit Card                       Payment via Bank Transfer

**All payments must be remitted in Euro's by credit card** or for payment via Bank Transfer: details will be provided upon receipt of completed registration form.

**American Express/MasterCard/Visa amount €** \_\_\_\_\_ **+ 19% VAT Total €** \_\_\_\_\_

**Credit card number** \_\_\_\_\_ **Expiration date:** \_\_\_\_\_

**Card Verification Code (CVC)\*** \_\_\_\_\_

**Cardholder's Name:** \_\_\_\_\_ **Cardholder's Signature:** \_\_\_\_\_

In addition to the credit card number, a card verification code (CVC) is required. This has been introduced to provide more security for both the customer and the mail order company. We will not be able to process credit card transactions without a verification code.

For Visa and Mastercard/Eurocard: you can find your CVC on the reverse side of your credit card, printed into the signature filed. It is a three-digit number. The full credit card number is reprinted in the signature box and at the end of the number is the verification code number.

For American Express: the verification code number is a four-digit number on the front of the card above the credit card number on either the right or the left side of your American Express credit card.

Cancellation Policy-Cancellations in writing prior to November 1st 2016 will be subject to a Euro 50 processing fee per person. Refunds will not be granted after November 1st 2016. Refunds will not be given for no-shows after the conference start date.

**Please send this form by fax: +49 2821 71145 69, attn: Irina Gast  
by email: i.gast@kci-world.com or post to KCI GmbH: Tiergartenstr. 64, D - 47533 Kleve, Germany**