

VALVE MANUFACTURERS ASSOCIATION

Technical Seminar & Exhibit Program

March 5-6, 2009 | Francis Marion Hotel | Charleston, SC

**VALVE DESIGN &
Material Considerations
for Product Globalization**



SCHEDULE of events

register online at www.vma.org >>>

Thursday, March 5

7:30 AM Continental Breakfast/Registration

7:50 AM Welcome

Dave Mefford, Chairman, VMA Technical Committee and Vice President, Engineering, Cameron Valves & Measurement, Houston, TX

8:00 AM Manufacturer's Cost of Quality

Moderator: Tom Hannafin, Senior Advisor, KITZ, Stafford, TX

Speaker: Bill Patrick, Global Piping Discipline Technology Leader, Dow Chemical, Midland, MI

Programs like ISO Certification evaluate the quality work processes within a company. These programs do not assure the manufacturers produce the product to the specification thus placing further burden on the purchaser to evaluate a company's quality. The fact that industry drives these 'layers' of quality audits is costing both the manufacturer and the purchaser of valves thus increasing each our cost to do business.

9:15 AM Understanding the NACE H₂S Specifications

Moderator: Jim Casey, Product Manager, Flow Control Division, Flowserve, Cookeville, TN

Speaker: Thomas Spence, Director Material Engineering, Flowserve, Dayton, OH

This presentation will discuss the recent developments in the various NACE specifications covering materials for use in hydrogen sulfide containing services. MR01-75 for oil and gas production has been merged into ISO specification 15156. With the conversion to the ISO specification there were numerous changes from MR01-75 and these will be addressed in the presentation. Along with the creation of ISO 15156, NACE produced a new specification, MR01-03, which covers materials used in refinery service. The presentation will also contrast the differences between this specification and ISO15156.

10:15 AM Break

10:45 AM An Overview of the New ASME Section VIII, Division 2 Pressure Vessel Code

Moderator: Paul Schafbuch, Vice Chairman, Technical Committee and Vice President, Engineering & Development, Emerson Process Management, Valve Automation Division, Waller, TX

Speaker: James C. Sowinski, P.E., Consulting Engineer, The Equity Engineering Group, Inc., Shaker Heights, OH

To remain technically competitive, and to facilitate incorporation of new technology and future updates, ASME has developed a new pressure vessel code. The new code was developed primarily to address design and fabrication of engineered vessels and may result in significant cost savings. Objectives included:

- Optimize rules to balance technology, user-friendliness, and jurisdictional acceptance
- Develop a new organization with a clear and consistent writing style
- Facilitate computer implementation
- Incorporate PED and other international requirements

SCHEDULE of events

register online at www.vma.org >>>

12:00 PM Lunch/Exhibits

1:30 PM Certification: Conquering the World for Your Product

Moderator: Arie Bregman, General Manager, DFT, Exton, PA

Speaker: Bikash Ghosh, Business Development Manager PCA, Bureau Veritas, Houston, TX

In today's world you need a visa to enter in to other countries; just like the way every countries have slightly different requirements, so as the product standards like GOST-R for Russia, CE marking for Europe, API monogram for oil fields, CRN for Canada, IBR for India, ASME for USA and so on. Again these requirements change, many a times without any notice. The product not meeting the correct legislation/code gets stuck in between by someone (who??). In this session the speaker will talk about requirements of certification.

2:30 PM ISO 12490

Moderator: Ron Manson, Manager of Application Engineering, Cameron Valves & Measurement, Houston, TX

Speaker: Ed Edgar, Committee Chairman ISO, Cameron Valves & Measurement, Houston, TX

A new International Standard titled *ISO 12490 - Petroleum and Natural Gas Industries- Pipeline Transportation Systems-Actuation Mechanical Integrity and Sizing Rules for Pipeline Valves*, is being written. The standard is applicable to all types of electric, pneumatic and hydraulic actuators, inclusive of drive train and valve adaption. It defines the requirements for actuator sizing and the minimum mechanical integrity requirements for their design.

3:30 PM Break/Exhibits

4:00 PM Off Shore Sourcing of Castings Related to the Valve Industry

Moderator: Jim Barker, Project Manager, Sartell Valves, Sartell, MN

Speaker: George Lancaster, International Sourcing Staff, Sartell Valves, Sartell, MN

The purpose of this paper is to provide an insight to the detail needed to successfully source Castings and Valve components in today's Marketplace. Key points include:

- Due diligence at the beginning is the best way to ensure all parties involved of a successful venture.
- The purchase order is the last thing that should occur, not the first thing.
- **Standards:** ASTM, ISO, ASM, MSS Quality Std. SP55, And Nondestructive Testing Specs.
- **Quality:** What type or types of systems do the suppliers use? They're own, International Systems, Supplier reliance only, and 3rd. party, Combination of supplier and Company staff.
- **Communication:** This is usually the basic key to all projects.
- **Culture:** Either embrace it or be prepared to have a long winding road of problems.

SCHEDULE of events

register online at www.vma.org >>>

4:45 PM **Advantages and Pitfalls of Outsourced Forgings**

Moderator: Jeff Hager, General Manager, WEIR Valves & Controls, Washington, NC

Speaker: Jeff Zuch, Metallurgist, Cameron Metallurgy, Houston, TX

An increasing globalized economy in recent years has driven the demand for outsourced forgings from all areas around the world. Competitive prices and expedited delivery dates have made outsourced forgings an attractive alternative to many companies in the world today. Although choosing this option can yield high rewards in cost savings and quicker delivery dates, there are major risks taken in factors such as quality assurance and communication that could result in detrimental consequences to a company's assets. This presentation will discuss the advantages and pitfalls of procuring outsourced forgings.

5:30 PM **Reception/Exhibits**

Friday, March 6

7:30 AM **Continental Breakfast**

8:00 AM **Solving Elastomer Sealing Problems in an International Supply Environment**

Moderator: David Bayreuther, Vice President, Engineering, Metso Automation, Shrewsbury, MA

Speaker: Phil Abrams, Senior Materials Specialist, Exxon Mobil, Houston, TX

Elastomer seal failures can be costly events for high production rate oil and gas facilities. Personnel safety is a major concern and shutting-in of production causes financial loss. Assuring high-integrity seals is the responsibility of equipment suppliers and the end users. In the international environment of oil and gas production, it is difficult to qualify new suppliers of sealing materials for a variety of reasons. However, it is critical that correct elastomers are selected for the service conditions. Examples of failures are presented and suggestions are made as to how greater reliability can be achieved with new and current seal and equipment suppliers.

9:00 AM **How to Effectively Source Non-metallic Valve Components Globally**

Moderator: Dave Mefford, Chairman, VMA Technical Committee and Vice President, Engineering, Cameron Valves & Measurement, Houston, TX

Speaker: Travis Sessions, General Manager, Parker Hannifin Corporation, Seal Group, Engineered Polymer Systems, Salt Lake, UT

Developing markets and globalization continue to drive valve manufacturers to set-up or move manufacturing operations to low cost countries and new geographies. Many manufacturers desire to develop global product lines with the ability to supply the same product from multiple manufacturing facilities around the world. Many struggle with developing sourcing and manufacturing solutions for plastic and elastomer components for these new operations. This presentation will focus on techniques and processes to globally specify, develop, and source these valve components. The presentation will address issues such as global supply chain strategies, global part specifications, and regional manufacturing solutions by reviewing real life case studies.

SCHEDULE of events

10:00 AM **Break**

10:15 AM **Plan, Engage, Verify, Act: Quality Castings from the Supply Chain**

Moderator: Ken Juncewicz, Manager, Applications and Field Services, Dresser Valve Division, Masoneilan N.A. Operations, Avon, MA

Speaker: Greg Smith, Director of Quality, Metso Automation, Shrewsbury, MA

Implementation of a successful process for procurement of quality castings takes enduring commitment. The foundry next door may look impressive, while it is the results that really count. The process begins with a site survey, followed by cross functional teamwork, measurement and ongoing analysis of the results. Whether you are seeking raw material or parts that are ready to assemble, this presentation reveals the means to achieve and maintain your quality targets from the ever changing supplier landscape.

11:00 AM **Impact of Import and Export Regulations on Valve Engineering**

Moderator: Frederick Washburn, Vice President & General Manager, Rotork Controls, Rochester, NY

Speaker: Jim Morelly, Manager of Customs Compliance, Metso Automation, Shrewsbury, MA

Governments are increasing their efforts to enforce import and export compliance laws. Laws that continue to expand and evolve as they are increasingly used as leverage in diplomatic efforts. Failure to comply not only involves risk of heavy fines, but can include loss of your company's right to export. Learn about some of the key rules concerning material procurement, licensing, codes and assists so you can make better design decisions and material selections for your company.

register online at www.vma.org >>>

2009 REGISTRATION FORM

VMA Technical Seminar & Exhibit Program

- \$595 - First Registration
- \$525 - Second Registration from same company
- \$425 - Following Registrations from same company

register online at www.vma.org >>>

NAME _____

NICKNAME _____

TITLE _____

COMPANY _____

E-MAIL _____

ADDRESS _____

CITY _____ STATE _____

ZIP _____

PHONE _____ FAX _____

Enclosed is a check in the amount of \$ _____ representing _____ registration(s).

Please make checks payable to VMA, referencing the Technical Seminar/Exhibit Program, & mail to Abby Brown, Meetings Manager, VMA, 1050 17th Street NW, Suite 280, Washington, DC 20036.

Charge my: VISA MasterCard Discover American Express

Card No. _____ Exp. Date _____

Signature _____

Cancellation Policy:

Full refund on registration cancellations received before January 7, 2009.
75% refund on cancellations received by February 4, 2009. Due to hotel and other meeting guarantees, no refunds thereafter. Substitutions accepted anytime.

Francis Marion Hotel



Hotel Information

VMA has received a special hotel room rate of \$139 single/double per night at the Francis Marion Hotel, 387 King St., Charleston, SC 29403 from March 4-6, 2009. For reservations please call the hotel directly at **843.722.0600** and request the VMA group rate. The cut-off date to receive this rate is February 11, 2009.

Online

Register for this event online at www.vma.org and click on the Events tab to get more information and confirm your space for this meeting.

Facsimile

Please fax your completed registration form (with credit card information) to Abby Brown at 202.296.0378. (credit card registration payments will show up on international customer invoices in U.S. dollars.)

Questions

Contact Abby Brown, Meetings Manager, at 202.331.8105, ext. 312 or email abrown@vma.org.