

## IVS 2022 EVENTS PROGRAMME

### TUESDAY, MAY 24<sup>TH</sup>, 2022

**16:30 – 17:30**

Caravaggio Room – Ground  
Floor

Opening Conference

**18:00 – 19:30**

Caravaggio Room – Ground  
Floor

Roundtable “The role of hydrogen in the new decarbonization scenarios”

**20:00**

GALA DINNER

### WEDNESDAY, MAY 25<sup>TH</sup>, 2022

**10:00 – 18:00**

**IVS EXHIBITION**

#### IVS CONFERENCES

##### Theme 1

**Advances in safe valve design, materials, manufacturing, coatings and focus on additive manufacturing**

**10:30 – 12:30**

Room 1 – First Floor

a) The Selection and Application of Nickel Aluminium Bronze to Isolation Valves

b) Castings Production of Sdss with high wall thicknesses

c) A new algorithm for subcritical flow through surface choke in digital field calculations

d) Implications of Robotic Process Automation and Machine Learning: RFQ Process in Industrial Valve Market

e) Circular Economy in the O&G Industry for Additive Manufacturing of metal parts

##### Theme 2

**Valve actuation and control**

**10:30 – 12:00**

Room 2 – First Floor

a) The integrated valve information device for emergency shutdown valve

b) The Convergence of IIoT, Data Analytics and Asset Integrity Management / Reliability in the Valve Industry

#### ORGANIZERS



### Theme 3 Fugitive emissions and valve sealing technologies

**10:30 – 13:00**

Colleoni Room – Ground Floor

- a) A systematic approach for pre-validation of polymer spring-energised seals for critical valve applications
- b) Improve your sealing vs. PCTFE in cryogenic conditions
- c) Emissions Elimination – Why “Reduce” Emissions when you can “Eliminate” them?
- d) Valves role on environmental protection
- e) Semi dynamic metal sealing applications on valves
- f) Comparative study between IOGP and ISO valve fugitive emissions requirements.

#### Workshop

**11:00 – 11:40**

Caravaggio Room – Ground Floor

Polyurethane seals for the valve industries

#### Workshop

**11:40 – 12:00**

Caravaggio Room – Ground Floor

The new regulatory framework of the Low Emission Graphite Packings for Industrial Valves

### Theme 4 Innovation, emerging technologies and future scenarios

**12:00 – 13:30**

Room 2 – First Floor

- a) Material Selection for Valves in H2 environment. An informative report
- b) Developed solutions for valves in different hydrogen applications: an overview of design and material peculiarities with case studies
- c) Flexible Graphite seals for Hydrogen applications

### Theme 5 International standards, supply specifications, lean documentation management and remote inspection technologies

**13:30 – 16:00**

Colleoni Room – Ground Floor

- a) Bio water-based liquid penetrants for the non destructive testings of valves' quality
- b) How smart industrial companies can unlock productivity safety with augmented reality
- c) API 20 series – Upstream Supply Chain Management
- d) European and International standards for valve actuators
- e) Managing Supply Chain Quality Risks
- f) Use of the IEC-60870-5-104 protocol in the remote control and management of oil and gas plants, a real case.

#### ORGANIZERS



## Panel discussion

**14:00 – 16:00**

Caravaggio Room – Ground  
Floor

Additive manufacturing and digital inventory: dreams or reality for the energy sector

## THURSDAY, MAY 26<sup>TH</sup>, 2022

**10:00 – 18:00**

## IVS EXHIBITION

## IVS CONFERENCES

### Workshop

**10:30 – 11:10**

Caravaggio Room – Ground  
Floor

Advanced meshing techniques and their application on complex valve geometry components

### Workshop

**11:10 – 11:50**

Caravaggio Room – Ground  
Floor

Case study on Valves Subcomponents

### Theme 5

**International standards, supply specifications, lean documentation  
management and remote inspection technologies**

**13:30 – 15:30**

Room 2 – First Floor

a) Saudi Aramco: Valves' End User Experience

b) Product Life Cycle Management System Requirements for the Petroleum and Natural Gas Industries – API18LCM

c) API 6D 25th edition, Specification for valves, main changes

d) Mechanical components for functional safety applications (SIL): standardization urgently needed!

e) Product certification of equipment for oil & gas sector. Export to EACC countries, Saudi Arabia, Kuwait, China, Uzbekistan

**FREE SHUTTLE SERVICE:** A free shuttle service will be provided from Bergamo Airport, Bergamo City Center and the main Hotels to the Exhibition Center

#### ORGANIZERS



**PROMOBERG**