

IVS 2022 EVENTS PROGRAMME

TUESDAY, MAY 24TH, 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 25TH, 2022

10:00 – 18:00

IVS EXHIBITION

IVS CONFERENCES

Theme 1

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

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

b) Castings Production of Sdss with high wall thicknesses

10:30 – 12:30

Room 1 – First Floor

c) A new equation for flow through surface choke valve 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) VICTREX CT™ Polymers for more Reliable Seals 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: base theory and examples of valve applications
- 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
- b) Developed solutions for valves in different hydrogen applications
- 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 26TH, 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

12:00 – 13:30

Caravaggio room – Ground Floor

a) CCUS – Carbon Capture Utilisation and Storage: a practical guideline

b) Tenaris Products for Energy Transition

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

