



**AUTOMATION
INSTRUMENTATION
SUMMIT 2018**

**AIS-ISA ITALY
AUTOMATION INSTRUMENTATION SUMMIT 2018**

co-locate with 5th ISA EMEA

Conference Programme

July 4 & 5, 2018 - Castello di Belgioioso, Pavia - Italy



Welcome to the
**AUTOMATION
INSTRUMENTATION
SUMMIT 2018**

'There is no future without the past' was the leitmotiv of the Automation Instrumentation Summit 2017.

This year as well a historical mansion will be the ideal meeting point for people and companies working in the present and projecting for the future.

AIS and ISA Italy, promoters of the event, have chosen the bee logo as a symbol of laboriousness and engagement in order to explain the activity of the two Associations that, working together for the same goal, can develop added value to the sectors instrumentation, automation and control through workshops, study days and conferences. Automation Instrumentation Summit 2018 has been launched with the best premises both for the number and quality of the exhibitors and for the high profile of the speakers who will enrich the event with precious contents.

In order to meet the need of increasing request of exhibition and conference area, two further meeting rooms will be available in the medieval section of the Castle, now completely restored.

We are glad to welcome you again to the Automation Instrumentation Summit on July 4 and 5, 2018!

Diego Bertazzo
AIS President

Matteo Finardi
Isa Italy President

Claudio Montresor
AIS Vice President



Advisory BOARD

The AIS-ISA Italy Conference Advisory Board is made up of experts from oil&gas, petrochemical, power, pharmaceutical,

CHAIRMAN

Diego Bertazzo,
Tecnimont, AIS President, Italy

MEMBERS

Ali Alhashemi, Kuwait National Petroleum Company, Kuwait

Abdullah H. Alkhalifah,
Saudi Aramco, Saudi Arabia

Hongunti Anand, Tecnimont India

Russel Baker,
Honeywell Process Solutions, UK

Alberto Bellomo, Tecnimont AIS, Italy

Marc Blekkink,
Movilitas Consulting, Belgium

Goetz Burkhard, Tecnimont Germany

Maurizio Cascella, Techint AIS, Italy

Ulderico Cinque, ATM AIS, Italy

José Covelli, Emerson, AIS Italy

Nilangshu Dey, ISA
International Society of Automation, Qatar

Francisco Diaz-Andreu, Repsol, Spain

Vladimir Fetisov,
St. Petersburg State University, Russia

Gianluca Florio,
Technip, President AIS Roma, Italy

steel and water industry. The Advisory Board will meet to evaluate the papers.

VICE-CHAIR

Ugo Baggi,
BAGGI Srl, VP elected ISA EMEA D12, Italy
David O'Brien, ISA
(International Society of Automation), Ireland
Matteo Finardi,
Tecnimont, ISA Italy President
Claudio Montresor,
Tecnimont, AIS Vice-President, Italy

Giorgio Gaiolini,
Simeco AIS, Italy

Paul Gruhn, ISA - International Society of Automation, USA

Jean-Pierre Hauet, KB Intelligence, France

Marcel Jutte,
Hudson Cybertec, The Netherlands

Mohamed Mahrous, Egyptian LNG, Egypt

Stefano Malavasi,
Politecnico di Milano ISA, Italy

Ajay Menon, Telinstra, UAE

Umberto Navarra, Technip AIS, Italy

Amir Or, Y.W. Galil Engineering, Israel

Ezio Pasqualon,
Tecnimont, Delegate of the ANIMP
Automation Section, Italy

Giovanni Urso,
Tecnimont, Italy

General INFORMATION

Venue Address

Castello di Belgioioso
Viale Dante Alighieri 3
Phone: +39 0382 969250
Email: info@belgioioso.it
Web: www.belgioioso.it

Promoted by

AIS-ISA Italy
Viale Campania 31 - 20133 Milano
Tel: +39 02 54123816
event@aisisa.it
www.aisisa.it
www.automationinstrumentationsummit.com

Opening time

Trade exhibition from 9.15 to 18.00
Congress from 10.00 to 17.00

Visitor Registration

Visitors are kindly requested to register online at :
www.automationinstrumentationsummit.com/Visitor Registration. Registered participants will receive their badge at their e-mail address before the event.

Congress Language

English

Social Programme

Buffet lunches and Open bar.
An open bar and buffet lunches are foreseen during the event days for all registered participants.

THEMES AND TOPICS

Products and systems evolution



THEME 1

Advances in control systems



THEME 2

The Industrial Internet of Things, 4.0, cybersecurity



THEME 3

Instrumentation & analysers technology evolution



CONFERENCE PROGRAMME

Wednesday, July 4

ROOM DEGLI STUCCHI
ROOM DEGLI AFFRESCHI
ROOM DELL'INCOMPIUTA

Wednesday, July 4, 2018 - ROOM DEGLI STUCCHI

- 9.45 **Welcome Speech**
Diego Bertazzo | AIS President, Matteo Finardi | ISA Italy President
- 10.00 **Opening Ceremony**
Pierroberto Folgiero | MAIRE TECNIMONT
- CONFERENCE SESSION**
Chairman: Matteo Finardi | MAIRE TECNIMONT | ISA Italy President
- 10.30 **Keynote speech:** Maria Cristina Messa | UNIVERSITA' MILANO BICOCCA University and Innovation
- 11.00 **Flavio Davide | DELL EMC**
The future of Industrial IOT : EdgeX Foundry, the open source interoperability framework
- 11.30 **Maurizio Simonelli | ABB**
Analyzers Systems 4.0
- 12.00 **Przemyslaw Sikorski | EMERSON**
Cybersecurity: protect your plant against potential threats
- 12.30 **Eleonora Porro | ENEL**
Enel Thermal Generation: advanced control system
- 13.00 **BUFFET LUNCH**
- CONFERENCE SESSION**
Chairman: Matteo Finardi | MAIRE TECNIMONT | ISA Italy President
- 14.00 **Max Veronesi | YOKOGAWA**
Post fata resurgo: making the control system revamping being bumpless and starting point for new improvements
- 14.30 **Michele Ferrante | VSI CONTROLS**
A more efficient approach to Control Valve Maintenance
- 15.00 **Jack Koeken | PRECISION FLUID CONTROLS**
Advanced gas flow measurements in Oil & Gas and Power Industries
- 15.30 **Roberto Motta | ROCKWELL**
Build a More Secure Process Control System - Manage Threats with a Comprehensive Security Approach
- 16.00 **Cristian Moraes | METSO**
Oil Refinery applies IIoT for Process Control

- CONFERENCE SESSION**
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President
- 11.00  **Ole Bredal | AUTRONICA FIRE AND SECURITY**
 IEC61508 (Functional Safety)
 SIL2 How this is relevant to Fire detection systems
- 11.30  **Patrick S. Flanders | ATV HIPPS**
 "Out-of-the-box" High Integrity Pressure Protection Systems (HIPPS) for
 Oil and Gas Wellheads.
- 12.00  **Angelo Caputi | BECKHOFF AUTOMATION**
 Exceptionally compact and intrinsically safe:
 Terminals for explosion protection
- 12.30  **François Charbonneau | ALTRAN**
 What experiences from other industries
 tell us about oil& gas cybersecurity?
- 13.00  **BUFFET LUNCH**
- CONFERENCE SESSION**
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President
- 14.00  **Gianantonio Favalessa | ITAL CONTROL METERS**
 Creation of combustion efficiency using Kurz thermal mass flowmeters
- 14.30  **Hans Van Nuenen | KROHNE**
 Analyser Management and Dynamic Quality Measurement
- 15.00  **Arnhold Thorsten | STAHL**
 New dimensions of explosion protection: How a revolutionary
 technology helps to make the flameproof encapsulation fit for Process
 Automation Technologies
- 15.30  **Alessandro Guarise, Marco Ciullo | TECHINT**
 Dynamic simulation: a tool for advanced process control strategies
 and design
- 16.00  **Josh Ferrara, Claudio Nespoli | XSIGHT by SAIPEM**
 Industrial Analytics solution for oil&gas

- CONFERENCE SESSION**
Chairman: Stefano Malavasi | POLITECNICO DI MILANO
- 11.00  **Luca Oraziotti, Manuele Mainetti | FORES ENGINEERING**
 Shelter in place: competence migration
 from analyzer system to survival modules
- 11.30  **Kumar Pankaj | AEPC, MoPE**
 Renewable Energy Challenges and Business Opportunities
- 12.00  **Nunzio Bonavita | ABB**
 Digital Transformation in the measurement business:
 evolving from device supplier to data provider
- 12.30  **Daniel Vogt | KROHNE**
 E-RTTM - State of the Art Leak and Theft Detection
- 13.00  **BUFFET LUNCH**
- CONFERENCE SESSION**
Chairman: Stefano Malavasi | POLITECNICO DI MILANO
- 14.00  **Fabrizio Delledonne | IMI ORTON**
 Radio Frequency Identification (RFID) as effective tracking system of
 goods at site: the experience of IMI ORTON for TengizChevrOil FGP/
 WPMP project
- 14.30  **Paul Basham, Adina Christescu | CROWCON DETECTION INSTRUMENTS**
 Trends in Gas Detection. Automated Gas Detection. What the Future Holds
- 15.00  **Giacomo Ardizio | TELOS**
 Gas sampling and analysis for process control
- 15.30  **Lieven Dubois**
 ISA 18.2 WG8
- 16.00  **David Orr | SAFETY ENG.**
 Fire and Gas Mapping



CONFERENCE PROGRAMME

Thursday, July 5

ROOM DEGLI STUCCHI
ROOM DEGLI AFFRESCHI
ROOM DELL'INCOMPIUTA

Thursday, July 5, 2018 - ROOM DEGLI STUCCHI

CONFERENCE SESSION

Chairman: Massimo Manzari | UNIVERSITÀ MILANO BICOCCA

10.00

Keynote speech: Paolo Coletti | TECHINT

New opportunities for engineering and construction companies in an evolving and challenging scenario

10.30

Keynote speech: Federico Mazzanti | XSIGHT by Saipem

New opportunities offered by digitalization in the engineering Life - Cycle

11.00

 **Giuseppe Iandolo | EMERSON**

Advanced Phase Measurement: designed to reduce process upsets in challenging applications

11.30

 **Guido Meraviglia | SENSITRON**

The importance of regulations in gas detection

12.00

 **Jan Stefan Michels | WEIDMÜLLER**

Industry 4.0 - The Evolution of Changing Data into Insights
Optimizing of Efficiency and Availability in the Process Industry

12.30

 **Stefano Ricci | HTLAW**

The impact of the 'Internet of Things' on privacy, data protection and security

13.00

 **BUFFET LUNCH**

CONFERENCE SESSION

Chairman: Massimo Manzari | UNIVERSITÀ MILANO BICOCCA

14.00

 **Vincenzo Penta | VEGA**

VEGA: A history of developing innovative solutions for the refinery and chemical industries.

14.30

 **Ezio Pasqualon, Luigi Calviello | TECNIMONT/ECTPAC**

Compressor control systems standardization

15.00

 **Mario Ragno, Lorenzo Della Penna | ENDRESS&HAUSER**

IIoT in the instrumentation for process unit

15.30

 **Giuseppe Lettere | BECKHOFF AUTOMATION**

PC-based control for process automation: products for hazardous areas and integration of relevant interfaces

16.00

 **Gianluigi Rossi | SAMSON**

SAMSON - Success in Critical Application for Energy and Power Control Systems



Thursday, July 5, 2018 - ROOM DELL' INCOMPIUTA

- CONFERENCE SESSION**
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President
- 11.00 **Mirko Vincenti** | BECKHOFF AUTOMATION
 Cyber-Physical Protection of SCADA and ICS Systems
- 11.30 **Jean-Nicolas Adami** | METTLER TOLEDO
 New advances in folded pathlength technology for Process Tunable Diode Laser Absorption Spectrometers (TDLAS)
- 12.00 **Pouriya H Niknam** | PIRAMOON SYSTEM QESHM
 Intelligent sonic online flow measurement
- 12.30 **Daniele Romano** | VEGA
 80GHz technology in process measurement – Experience from the Field
- 13.00 **BUFFET LUNCH**
- CONFERENCE SESSION**
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President
- 14.00 **Ionut Cadar** | EMERSON
 Corrosion and erosion monitoring system and integrity management perspective
- 14.30 **Massimo Manzari, Andrea Rossetti** | UNIVERSITÀ MILANO BICOCCA
 A responsible approach to industrial open Ecosystem
- 15.00 **Domenico Capuano** | ENI
 Cyber Security approach for Critical Infrastructure Protection
- 15.30 **AWARD CEREMONY: Ideas 4 Automation**
Chairmen: Stefano Malavasi, Diego Bertazzo e Matteo Finardi



Thursday, July 5, 2018 - ROOM DEGLI AFFRESCHI

- CONFERENCE SESSION - Chairman: Alberto Bellomo** | MAIRE TECNIMONT
- 11.00 **Dean Kevin** | MSA (c/o Senscient Ltd.)
 ELDS Enhanced Laser Diode Spectroscopy Gas detection: the new era of laser open path gas detection
- 11.30 **Alessandro Brunelli**
 Need for traceability, uncertainty and calibration of measuring instruments in the industrial, environmental and welfare fields: A reference handbook
- 12.00 **Julien Truflandier, Umberto Avanzini** | NEXANS
 Hypron Technology, a sustainable and innovative hydrocarbon resistance by lead substitution
- 12.30 **Ranjan Bhattacharya**
 Instrumentation Reliability: A systematic approach
- 13.00 **BUFFET LUNCH**
- CONFERENCE SESSION - Chairman: Alberto Bellomo** | MAIRE TECNIMONT
- 14.00 **Maurizio Castellano** | BAGGI
 Desalting, Desalters, and salt in crude monitoring in process: an overview
- 14.30 **Paolo Rolando** | BROOKS INSTRUMENT
 VA Meters are ready to meet the latest communication requirements: Foundation Fieldbus
- 15.00 **Rainer Hoffmann** | AS SCHNEIDER / INOX RIVA
 Absolutely safe in case of fire
- 15.30 **Enrico Dani** | CRISP TECHNOLOGY
 Cybersecurity: latest threats in industrial environments and their solutions
- 16.00 **Giovanni Buizza Avanzini** | DNV GL – Oil & Gas
 OT & IT Cybersecurity as part of integrated operational risk management

HOW TO REACH THE VENUE

By Car

Belgioioso is situated 10 km from Pavia, 40 km from Milano, 40 km from Piacenza, 20 km from Lodi. The correct address for GPS is Viale Dante Alighieri 3, 27011 Belgioioso.

By plane

Arrival at the Milan airports (Malpensa or Milano Linate) - then go (by taxi or public transportation) to the Milan Porta Garibaldi station and get the Shuttle Bus to the Venue (please see the timetable below and the plan).

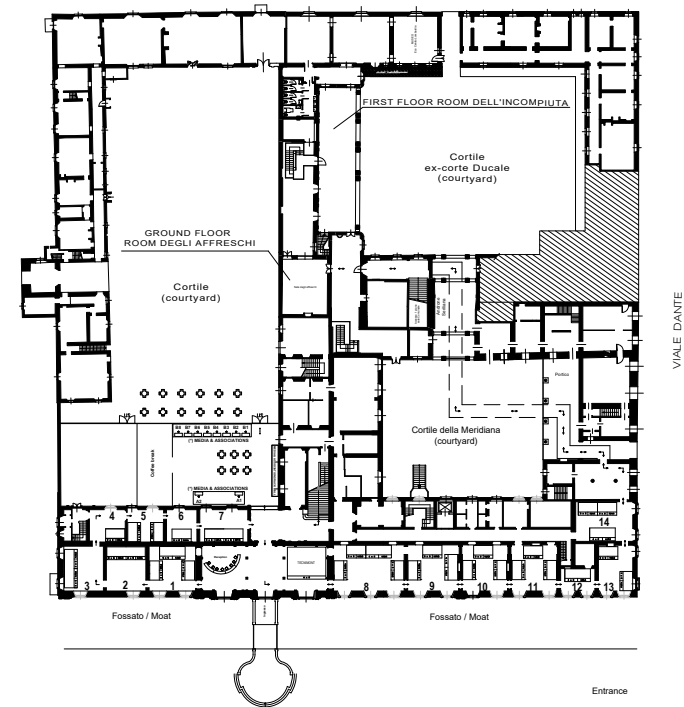
By Shuttle Bus

Shuttle Bus from Milano PORTA GARIBALDI Station - Bus stop Viale Sturzo, 45 near Ex Hotel Executive.
Please contact the hostess on site. A shuttle bus service is provided for both days starting from 8.00 am
Please reserve the bus registering online (see visitor registration chapter).

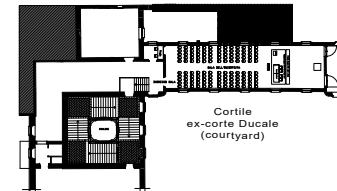


Shuttle bus stop

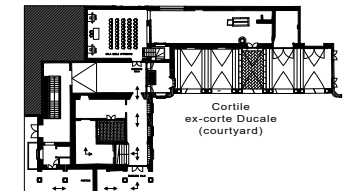
GENERAL VENUE OVERVIEW GROUND FLOOR



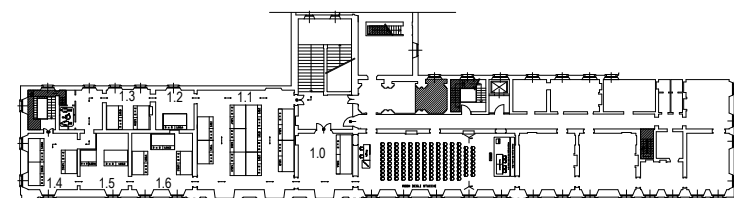
FIRST FLOOR ROOM DELL'INCOMPIUTA



GROUND FLOOR ROOM DEGLI AFFRESCHI



FIRST FLOOR EXHIBITION AND ROOM DEGLI STUCCHI



Milano Porta Garibaldi	Castello di Belgioioso
Departure	Arrival
8:00	9:15
8:15	9:30
8:30	9:45
9:00	10:15

Castello di Belgioioso	Milano Porta Garibaldi
Departure	Arrival
15:30	16:45
16:30	17:45
17:15	18:30
18:00	19:15

EXHIBITOR LIST (update June 2018)

3M	EUROCONTROLLI	MAXIMATOR ITALY	SAMSON
ABB	FEAM	MB VALVESERVICE	SENSITRON
APT	FORES ENGINEERING	METSO ITALY	SIMECO
ARMATURENFABRIK FRANZ	GEORG FISCHER	METTLER TOLEDO	SIMECO SYSTEMS
SCHNEIDER	GIGA TECH	MICHELL ITALIA	SOCRATE
ATV HIPPS - ADVANCE TECHNOLOGY	GROTH CORPORATION	MSA ITALIA	SPINA GROUP
VALVE	HAMLET/ASTAVA	NUOVA ASP	STRUMENTAZIONE INDUSTRIALE
AUGUSTA SYSTEM INTEGRATION	IMI ORTON	NUOVA FIMA STORE	TECHNOFLOW
AUTRONICA FIRE AND SECURITY	IMI REMOSA	PARKER HANNIFIN	TECNIMONT
BROOKS INSTRUMENT	IMI STI	PRECISION FLUID CONTROLS	TERMICS
BULK	IMI TRUFLO ITALY	R. STAHL	VALBART
CONTINENTAL DISC	IMI Z & J TECHNOLOGIES	RICHARDS INDUSTRIES	VEGA ITALIA
CRISP TECHNOLOGY	INDRA	ROCKWELL AUTOMATION	VSI CONTROLS
CROWCON DETECTION INSTRUMENTS	INOX RIVA	ROTORK	WALLMAX
DELL EMC	INTERTEC HESS	ROXTEC ITALIA	WEIDMÜLLER
DNV GL	ITAL CONTROL METERS	RTI	WIKA ITALIA
EMERSON PROCESS MANAGEMENT	KROHNE ITALIA	SA.FETY ENGINEERING	YOKOGAWA ITALIA
ENDRESS + HAUSER	LIRA	SAFCO ENGINEERING	



**ASSOCIATIONS
MEDIA PARTNERS
UNIVERSITIES
(update May 2018)**

Official Media Partner



AFRICAN PETROCHEMICALS
AIS - I.S.A. ITALY
AUTOMAZIONE INDUSTRIALE -
New Business Media
CHIMICA MAGAZINE - Edizioni PVI
COMPONENTI INDUSTRIALI - Publitec
ICP Rivista dell'Industria Chimica -
Duessegi Editore
INDUSTRIAL TECHNOLOGY
INDUSTRIE 4.0 - Tecniche Nuove
INDUSTRY NETWORKER
INNOVATION IN OIL & GAS
ISA - International Society of Automation
LABWORLD.IT - Editrice Industriale
MTM ONLINE - D.F. Edizioni
INDUSTRY CHEMISTRY - Editrice Industriale
NEWS BASE
OIL & GAS TECHNOLOGY
OIL AND GAS ADVANCEMENT
OILGASNEWS.it -
Mediapoint & Communications
POLITECNICO DI MILANO
TIMGlobal Media - PCN Europe
UNIVERSITA MILANO-BICOCCA
WATERGAS - Agenda

PATRONAGES


Under the patronage of



CITTÀ DI BELGIOIOSO



Camera di Commercio
Pavia



Venue Address
Viale Dante Alighieri, 3
27011 - Belgioioso | Pavia, Italy

 +39 0382 969250
 info@belgioioso.it
 www.belgioioso.it

CONFERENCE SECRETARIAT
AIS-ISA ITALY

Viale Campania 31, Milano
event@aisisa.it
Tel. +39 02 54123816

EVENT CONSULTANT
STUDIO REALINI

Bollate/Milano
fiere@studiorealini.it
Tel. +39 02 33606013

 www.automationinstrumentationsummit.com

Promoted by AIS-ISA Italy



**AUTOMATION
INSTRUMENTATION
SUMMIT 2018**