



AIS-ISA Italy CONFERENCE AND EXHIBITION | COINCIDING WITH 4TH ISA EMEA

# AUTOMATION INSTRUMENTATION SUMMIT

## CONFERENCE PROGRAMME 5-6 JULY



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Main Italy Editor



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# WELCOME to the Automation Instrumentation Summit!

There is no future without the past, for this reason we decided to have the summit in a historic place like Castello di Belgioioso (Pavia, Italy), hoping that the conjunction with historical place and the “innovative” technology will be a great incentive for the future.

The first international edition of **AUTOMATION INSTRUMENTATION SUMMIT**, key event for the world of instrumentation, measurement systems and related activities, is scheduled for 5 and 6 July at the historic location of Castello di Belgioioso in the province of Pavia.

**Claudio Montresor**  
AIS President

**Ugo Baggi**  
ISA Italy President

## THEMES AND TOPICS

**THEME 1** ADVANCES IN CONTROL SYSTEMS

**THEME 2** CONTROL AND PLANT COMMUNICATION

**THEME 3** THE INDUSTRIAL INTERNET OF THING, 4.0, CYBERSECURITY

**THEME 4** INSTRUMENTATION AND ANALYZERS TECHNOLOGY EVOLUTION

**THEME 5** BUSINESS AND MANAGEMENT

# ADVISORY BOARD

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

**Pignatiello Enzo**, Vice President ISA Italy

**Urso Giovanni**, AMEC Foster Wheeler AIS

# GENERAL INFORMATION

## ▶▶ Venue Address

CASTELLO DI BELGIOIOSO  
Viale Dante Alighieri 3  
Phone: +39 0382 969250  
Email: [info@belgioioso.it](mailto:info@belgioioso.it)  
Web: [belgioioso.it](http://belgioioso.it)

▶▶ **Promoted by:** AIS-ISA Italy Viale Campania 31 – 20133 Milano - Tel: +39 02 54123816  
event@aisisa.it - [www.aisisa.it](http://www.aisisa.it) [www.automationinstrumentationsummit.com](http://www.automationinstrumentationsummit.com)

▶▶ **Opening time:** Trade exhibition from 9.15 am to 6.00 - Congress from 10.00 am to 5.00 pm

## ▶▶ Participant Registration

The participant registration will take place at the Reception desk of the Castello di Belgioioso on Wednesday July 5, starting from 9.00 am. The participants who have already registered need only to pick up the badge at the registration desk.

**Congress Language: English**

## ▶▶ Speakers

After picking up the badge, speakers will be addressed to the speaker's room where they can test their presentation.

## ▶▶ Social Programme

Buffet lunches and Open bar.

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



# SPEAKERS AND MODERATORS

**Alferez Canales Francisco Jose**, Tetrapak (ISA Spain)

**Armesto Jose Ignacio**, Universidad de Vigo (ISA Spain)

**Baggi Ugo**, Baggi

**Bardoni Giovanni Mario**, SES Asa Engineering

**Bellardo Sergio**, Eurocontrolli

**Bertazzo Diego**, Tecnimont

**Bonavita Nunzio**, ABB

**Brignoli Fabio**, Tecnimont

**Bruntink Gerrit**, Schneider Electric Systems Italia

**Cardier Brito**, Rockwell

**Castellano Maurizio**, Baggi

**Cavalca Flavio**, ATEC

**Cavina Fabio**, Fores Engineering

**Crispino Davide**, Phoenix Contact

**Curti Stefano**, Hilti

**De Francesco Maurizio**, Emerson Process Management

**Easton Colin**, Prosalus (UK)

**Favalessa Gianantonio**, Ital Control Meters

**Finardi Matteo**, Tecnimont

**Folgiero Pierroberto**, Tecnimont

**Gall Heinz**, TUV

**Gamba Marco**, Schneider Electric Systems Italia

**Jenkins Rhys**, Servomex

**Hamelynck Stef**, Precision Fluid

**Kähkönen Ville**, Metso

**Lefler Armando Gonzales**, Aplein Ingenieros (ISA Spain)

**Malavasi Stefano**, Politecnico di Milano

**Miotto Fabrizia**, Tecnimont

**Modena Mario**, Donadon

**Mols Diederik**, I.S.A 100 Wireless Compliance Institute

**Montresor Claudio**, Tecnimont

**Ongetta Leonardo**, Rotork

**Or Amir**, Modcon Systems

**Pasqualon Ezio**, Tecnimont

**Ragno Mario**, Endress+Hauser

**Rechsteiner Hans Rudolf**, Sigrist-Photometer Ag

**Reschke Thomas**, Honeywell

**Romano Daniele**, Vega Italia

**Rucco Luigi**, Alascom Services

**Sanguinetti Enrico**, ATV HIPPS

**Sartori Cristian**, Siemens

**Shahnovsky Gregory**, Modcon Systems

**Silvestri Filippo**, Page Europa

**Silvestri Giovanni**, Eurocontrolli

**Talsi Jonni**, Pöyry Switzerland Ltd

**Taylor Nick**, Emerson Process Management

**Vandeput Danny**, Emerson Process Management

**Veneroni Anna**, Simeco

**Veronesi Massimiliano**, Yokogawa Italy

**Vezzola Michele**, BMGroup

**Zago Gianbattista**, Safco

**Zilio Andrea**, Flowserve

**Zucca Francesco**, Yokogawa

# CONFERENCE PROGRAMME

► Wednesday, July 5, 2017 | Room: SALA STUCCHI

10.00 am	<b>OPENING CEREMONY</b>	
	Welcome speeches:	<i>Claudio Montresor</i> , President AIS <i>Ugo Baggi</i> , President ISA Italy <i>Pierroberto Folgiero</i> , CEO Tecnimont, Milano
	<b>Workshop sessions</b>	
	Chairman: <i>Ezio Pasqualon</i> , Tecnimont	
10.30 am	INDUSTRIAL IOT AND PERVASIVE SENSING – THE PAPER MILL EXAMPLE <i>Maurizio De Francesco</i> , Emerson Process Management	<b>THEME 3</b>
11.00 am	SECURING DATA QUALITY IN DIGITAL PLANTS AND CONNECTED ENTERPRISE <i>Brito Cardier</i> , Rockwell Automation	<b>THEME 3</b>
11.30 am	IEC 61508 AND 61511 FOR VALVES - CORRECT VALVE SELECTION <i>Ville Kähkönen</i> , Metso	<b>THEME 4</b>
12.00 am	SMART MANUFACTURING ENTERPRISE - THE PLANT OF THE FUTURE <i>Marco Gamba</i> , Schneider Electric Systems Italia	<b>THEME 3</b>
12.30 am	RECENT INNOVATIONS IN CONTROL SYSTEMS TECHNOLOGIES FOR AGILE PROJECT EXECUTION <i>Massimiliano Veronesi</i> , <i>Yokogawa Italy</i>	<b>THEME 2</b>
1.00 pm	BUFFET LUNCH	
	<b>Workshop sessions</b>	
	Chairman: <i>Diego Bertazzo</i> , Tecnimont	
2.00 pm	THE EVOLUTION OF THE MEASUREMENT INSTRUMENTATION FOR THE SAFETY AND EFFICIENCY OF THE PROCESS <i>Mario Ragno</i> , Endress+Hauser	<b>THEME 4</b>
2.30 pm	FIRE & GAS SAFETY MANAGEMENT SYSTEM <i>Giovanni Mario Bardonì</i> , SES Asa Engineering	<b>THEME 4</b>
3.00 pm	FOXBORO BY SCHNEIDER-ELECTRIC RENEWED VIEW ON HIGH QUALITY AND INNOVATIVE INSTRUMENTATION <i>Gerrit Bruntink</i> , Schneider Electric Systems Italia	<b>THEME 4</b>
3.30 pm	BENEFITS OF CONTROLLING AMMONIA (NH <sub>3</sub> ) SLIP IN COMBUSTION PROCESSES <i>Rhys Jenkins</i> , Servomex	<b>THEME 4</b>
4.00 pm	QUALITY AND FOOD SAFETY THROUGH CONTROL SYSTEMS <i>Francisco Jose Alferez Canales</i> , Tetrapack (ISA SPAIN)	<b>THEME 5</b>
4.30 pm	A TRIPARTITE ANALYSIS FRAMEWORK OF CYBERSECURITY THREATS FOR THE INDUSTRIAL INTERNET OF THINGS <i>Luigi Rucco</i> , Alascom Services	<b>THEME 3</b>



## » Wednesday, July 5, 2017 | Room: SALA DA BALLO

### Workshop sessions

Chairman: *Matteo Finardi*, Tecnimont

- |          |  |                |
|----------|--|----------------|
| 10.30 am | EVOLUTION OF RADAR LEVEL MEASUREMENT: SAFETY, RELIABILITY, SAVING, MAINTENANCE AND ENGINEERING SIMPLIFICATION<br><i>Daniele Romano</i> , Vega Italia                         | <b>THEME 4</b> |
| 11.00 am | THE BENEFITS OF SAMPLE SYSTEM DESIGN RELATED TO THE INTEGRITY AND RELIABILITY OF ON LINE PROCESS ANALYZERS<br><i>Fabio Cavina</i> , Fores Engineering                        | <b>THEME 4</b> |
| 11.30 am | SIGAS, A SPANISH PROJECT TO OPTIMIZE MEASUREMENT IN THE TRANSPORT NETWORKS OF PRECIOUS FLUIDS, NATURAL GAS<br><i>Armando Gonzales Lefler</i> , Aplein Ingenieros (ISA SPAIN) | <b>THEME 4</b> |
| 12.00 am | WHEN BOUNDARIES DISAPPEAR: HOW INDUSTRY 4.0 IS CAUSING INSTRUMENTATION AND PROCESS AUTOMATION TO BLUR INTO ONE ANOTHER<br><i>Nunzio Bonavita</i> , ABB                       | <b>THEME 4</b> |
| 12.30 am | MONITORING AND CONTROL FOR EFFICIENT, SAFE AND SECURE PLANTS: BENEFITS FROM THE MULTI-SOURCE INFORMATION SYNTHESIS<br><i>Filippo Silvestri</i> , Page Europa                 | <b>THEME 2</b> |
| 1.00 pm  | BUFFET LUNCH   |                |
|          | <b>Workshop sessions</b><br>Chairman: <i>Fabrizia Miotto</i> , Tecnimont   |                |
| 2.00 pm  | CONTROL VALVE FROM CONTROL LOOP THEORY PERSPECTIVE: A GENERAL OVERVIEW<br><i>Anna Veneroni</i> , Simeco  | <b>THEME 1</b> |
| 2.30 pm  | GUIDELINES TO SELECT THE FINAL ELEMENTS FOR HIPPS<br><i>Enrico Sanguineti</i> , ATV HIPPS  | <b>THEME 1</b> |
| 3.00 pm  | CUSTODY TRANSFER METERING SYSTEM FOR NATURAL GAS REFINERY APPLICATION<br><i>Flavio Cavalca</i> , ATEC  | <b>THEME 4</b> |
| 3.30 pm  | A REVOLUTIONARY DIGITAL CONTROLLER<br><i>Leonardo Ongetta</i> , Rotork   | <b>THEME 1</b> |
| 4.00 pm  | HYDROGEN SULPHIDE IN WATER DETERMINATION BY ONLINE ANALYZERS<br><i>Maurizio Castellano</i> , Baggi   | <b>THEME 4</b> |
| 4.30 pm  | SMART GAS DETECTION<br><i>Thomas Reschke</i> , Honeywell   | <b>THEME 4</b> |

## ► Thursday, July 6, 2017 | Room: SALA STUCCHI

### Workshop Sessions

Chairman: *Diego Bertazzo*, Tecnimont

- |          |  |                   |
|----------|--|-------------------|
| 10.00 am | INDUSTRIAL SECURITY - PREREQUISITE FOR DIGITALIZATION<br><i>Cristian Sartori</i> , Siemens         | <b>THEME 3</b>    |
| 10.30 am | THE DARK SIDE OF INDUSTRIAL INTERNET OF THINGS (IOT)<br><i>Francesco Zucca</i> , Yokogawa          | <b>THEME 3</b>    |
| 11.00 am | START UP/SHUT DOWN METHODOLOGY FOR COMBINED CYCLE POWER PLANT<br><i>Ezio Pasqualon</i> , Tecnimont | <b>THEME 1</b>    |
| 11.30 am | RISING STEM BALL VALVE (RSBV)<br><i>Andrea Zilio</i> , Flowserve                                   | <b>THEME 1, 4</b> |
| 12.00 am | PERVASIVE SENSOR - THE NEW HOLY GRAIL?!<br><i>Danny Vandeput</i> , Emerson Process Management      | <b>THEME 4</b>    |
| 1.00 pm  | BUFFET LUNCH   |                   |

### Workshop sessions

Chairman: *Stefano Malavasi*, Politecnico di Milano

- |         |   |                |
|---------|---|----------------|
| 2.00 pm | ADVANCED FLOW MEASUREMENT SOLUTIONS FOR CRITICAL APPLICATIONS AIMED TO EPC AND END-USER<br><i>Gianantonio Favalessa</i> , Ital Control Meters | <b>THEME 4</b> |
| 2.30 pm | HILTI INTEGRATED FLOATING FLOORS: IMPROVING THE DESIGN AND CONSTRUCTION MANAGEMENT OF CONTROL ROOMS<br><i>Stefano Curti</i> , Hilti           | <b>THEME 5</b> |
| 3.00 pm | SAFCO ENGINEERING SM MODULES SERIES<br><i>Gianbattista Zago</i> , Safco   | <b>THEME 1</b> |
| 3.30 pm | INSTRUMENTATION AND CONTROL FOR AN ACID GAS REMOVAL PILOT PLANT<br><i>Fabio Brignoli</i> , Tecnimont  | <b>THEME 4</b> |
| 4.00 pm | INDUSTRY 4.0: NEWS AND TRENDS IN COLLABORATIVE ROBOTICS<br><i>Jose Ignacio Armesto</i> , Universidad de Vigo (ISA Spain)                      | <b>THEME 3</b> |



## ► Thursday, July 6, 2017 | Room: SALA DA BALLO

### Workshop sessions

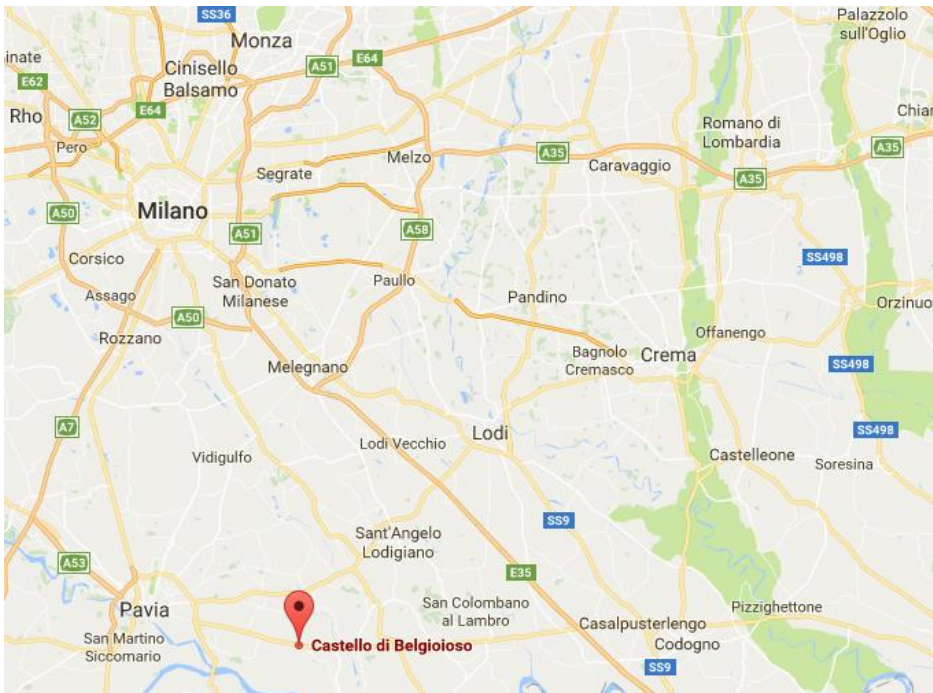
Chairman: Matteo Finardi, Tecnimont

- |          |   |                    |
|----------|---|--------------------|
| 10.00 am | STRUCTURED APPROACH TO SAFETY AND SECURITY FOR INDUSTRIAL APPLICATIONS<br><i>Heinz Gall, TUV</i>  | <b>THEME 3</b>     |
| 10.30 am | OIL IN WATER, TURBIDITY AND COLOR MEASUREMENT UPSTREAM & DOWNSTREAM<br><i>Hans Rudolf Rechsteiner, Sigrist-Photometer Ag</i>                                | <b>THEME 4</b>     |
| 11.00 am | INDUSTRIAL NETWORK RESILIENCE<br><i>Davide Crispino, Phoenix Contact</i>  | <b>THEME 3</b>     |
| 11.30 am | EVOLUTION OF RUPTURE DISC MANUFACTURING TECHNOLOGY AND PERFORMANCE<br><i>Mario Modena, Donadon</i>  | <b>THEME 4</b>     |
| 12.00 am | JUST HOW VULNERABLE IS YOUR SAFETY SYSTEM<br><i>Colin Easton, Prosalus (UK)</i>   | <b>THEME 3</b>     |
| 12.30 am | INDUSTRIAL WIRELESS ENABLING SAFETY<br><i>Diederik Mols, I.S.A 100 Wireless Compliance Institute</i>  | <b>THEME 2</b>     |
| 1.00 pm  | BUFFET LUNCH  |                    |
|          | <b>Workshop sessions</b>  |                    |
|          | Chairman: <i>Ugo Baggi, Baggi</i>   |                    |
| 2.00 pm  | ICS CYBER SECURITY IMPLEMENTATION TO INDUSTRY - THE NEXT GREAT THING OR A REAL NIGHTMARE FOR I&C ENGINEERS<br><i>Jonni Talsi, Pöyry Switzerland Ltd</i>     | <b>THEME 3</b>     |
| 2.30 pm  | WIRELESS GAS DETECTION INFRACTUSTURE AND PLATFORM<br><i>Sergio Bellardo / Giovanni Silvestri, Eurocontrolli</i>   | <b>THEME 3</b>     |
| 3.00 pm  | WIN-WIN: HELP SALES FOLK MEET THEIR TARGETS AND IMPLEMENT YOUR CORPORATE SOCIAL MARKETING STRATEGY<br><i>Nick Taylor, Emerson Process Management</i>        | <b>THEME 5</b>     |
| 3.30 pm  | WORKSHOP HIPPS AND INTERLOCKING SOLUTIONS<br><i>Stef Hamelynck, Precision Fluid</i>   | <b>THEMES 1, 4</b> |
| 4.00 pm  | REMOTE SENSING FOR PROCESS ANALYSIS AND OPTIMIZATION<br><i>Gregory Shahnovsky, Amir Or - Modcon Systems</i>   | <b>THEME 4</b>     |
| 4.30 pm  | AWARD CEREMONY: IDEAS 4 AUTOMATIC AWARD<br><i>Stefano Malavasi, Politecnico di Milano, Claudio Montresor, President AIS, Ugo Baggi, President ISA Italy</i> |                    |
| 5.30 pm  | MEETING WITH THE EXHIBITORS – Closing Report<br><i>Claudio Montresor, President AIS and Ugo Baggi, President ISA Italy</i>                                  |                    |

# HOW TO REACH THE VENUE

## ► By car

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



**Auto Parking:** The parking areas are indicated on site. Please follow the indications.



## ►► By plane

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

## ►► By Shuttle Bus

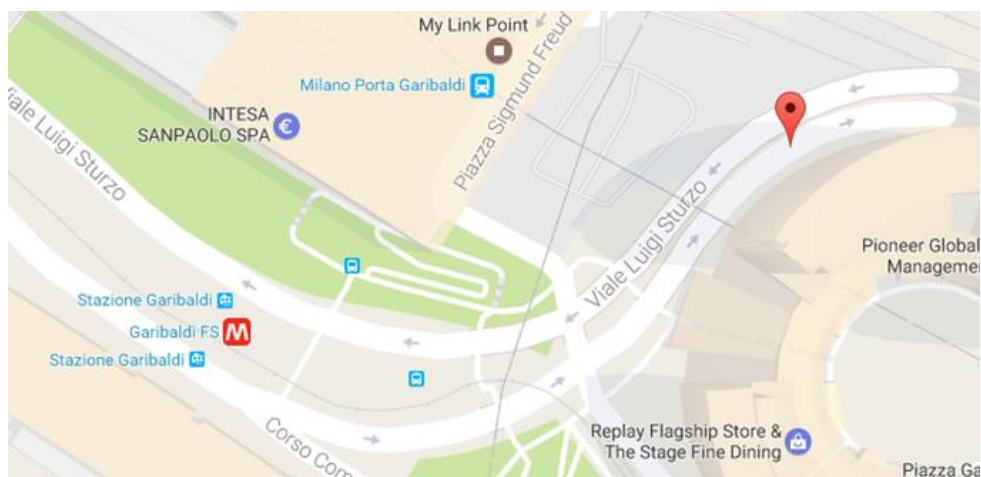
**Shuttle Bus from Milano PORTA GARIBALDI Station – Viale Sturzo, 45 near Ex Hotel Executive.**

Please contact the hostess on site.

A shuttle bus service is provided for both days starting from 8.00 am

MILANO PORTA GARIBALDI	CASTELLO DI BELGIOIOSO
<b>Partenza - Departure</b>	<b>Arrivo - Arrival</b>
8:00	9:15
8:15	9:30
8:30	9:45
9:00	10:15

CASTELLO DI BELGIOIOSO	MILANO PORTA GARIBALDI
<b>Partenza - Departure</b>	<b>Arrivo - Arrival</b>
15:30	16:45
16:30	17:45
17:30	18:45
18:00	19:15
18:15	19:30



# EXHIBITORS LIST (updated June 9, 2017)

ABB S.P.A.  
ACQUAGENDA, GASAGENDA – EDIZIONI AGENDA S.R.L.  
AIS ASSOCIAZ. ITALIANA STRUMENTISTI – I.S.A. ITALY  
ALPHACON S.R.L.  
ANIMP – ASSOC. NAZ. DI IMPIANTISTICA IND.  
APT S.R.L.  
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SERVOMEX GROUP LTD (UK)  
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