

# CALL for PAPERS



## 5th International Conference on Safety and Environment in Process & Power Industry



June 3-6, 2012 Milan, Italy



promoted and organized by

The Italian Association of  
Chemical Engineering

**AIDIC**

**CISAP**

AIDIC Working Group for Safety &  
Environment in Process Industry

## VENUE

CISAP-5 International Conference will be held at

### ATAHOTEL EXECUTIVE

Viale Don Luigi Sturzo, 45

20154 Milano - Italy

Located in a strategic and privileged position, close to the Porta Garibaldi Railway Station, the Viale Certosa highway exit and in the heart of Milan's nightlife (Corso Como and Brera area), the Atahotel Executive is a modern and comfortable 4 star hotel. The hotel offers many amenities either for business travellers or for people wishing to explore the city while staying in a cozy environment. Well connected to public transport, the underground station (green line MM2) is only 50 meters from the hotel, and you can reach the new Fiera Milano-Rho Exhibition Center in just 20 minutes (thanks to the new Passante Ferroviario railway line (four stops)). Guests staying at the Atahotel Executive may therefore easily have access to business points of interest in Milan and at the same time enjoy Milan's nightlife.

There are many services you can benefit from: wi-fi, car rental, restaurant and business center with 18 conference rooms (which can accommodate up to 800 persons) equipped with all facilities. The Hall's fine interiors and elegant design and the 420 modern and spacious rooms offer a pleasant experience for those visiting Milan for business or pleasure.

### Distances summary

- Green line subway - Garibaldi stop: 0,1 km
- Milano Porta Garibaldi railway station: 0,1 km
- Central railway station: 1,8 km
- Duomo: 3 km
- Linate Airport: 9 km
- Malpensa Airport (from P.le Cadorna, green line subway, you can take the shuttle Malpensa Express which connects Milan to the new hub in 40 minutes): 50 km

## KEY DATES

### October 7<sup>th</sup>, 2011

Abstract submission

### October 20<sup>th</sup>, 2011

Information to Authors on abstract acceptance

### December 1<sup>st</sup>, 2011

Full manuscript submission for refereeing

### March 1<sup>st</sup>, 2012

Information to Authors on paper acceptance and format of presentation (poster /lecture)

### April 15<sup>th</sup>, 2012

Final revised manuscript submission and Registration deadline for Authors to have the paper included in the program and proceedings

### May 15<sup>th</sup>, 2012

Technical program

## SPONSOR

Companies and organisations willing to support the Conference are invited to contact the Secretariat for further information. Participants from industry are welcome.

Thanks to

Politecnico di Milano



## PRESIDENT OF THE CONFERENCE

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S. Senni Buratti (AIDIC, CISAP WG President)

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## CONFERENCE SECRETARIAT

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All correspondence should be addressed to



**AIDIC Secretariat**

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## ABOUT THE CONFERENCE

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It is our pleasure to announce the 5th International Conference on Safety and Environment in the Process & Power Industry, that will be held on June 3-6, 2012 in Milan, Italy. CISAP-5 is organized by AIDIC, The Italian Association of Chemical Engineering.

CISAP-5, the fifth edition of the International Conference on Safety and Environment in the Process & Power Industry, will provide a successful forum on process safety, risk assessment and HSE management. The conference provides a unique opportunity to share and gain experience on "hot" topics in emerging risk assessment and management, as the assessment of accident scenarios caused by natural hazards and the safety of energy systems and infrastructures. Dedicated workshops will be organized to discuss and share new trends in research and methodologies for the management of emerging risk.

The 5th Edition confirms CISAP as a prominent biennial forum on safety and sustainability, contributing to the consolidation of a safety culture aiming at a sustainable growth of the enterprise value based on the safeguard of the health of employees and population, the safety of operations and the environmental protection.

The official language of the conference is English.

Previous events of the series were:

[CISAP-1, 28-30 November 2004, Palermo](#)

[CISAP-2, 21-24 May 2006, Naples](#)

[CISAP-3, 11-14 May 2008, Rome](#)

[CISAP-4, 14-17 March 2010, Florence](#)

## CONFERENCE TOPICS

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The Conference will bring together experts from all over the world to exchange key information and hold helpful discussions on the topics listed below. Specific sessions on key topics will also be organized. Plenary lectures on key-issues by recognized experts will also be scheduled.

### 1) COMBUSTION SAFETY

- Analysis, prevention, protection and mitigation of gas, vapour and dust explosion
- Accidental fires (large-scale, building fires, forest fires, fire prevention)
- Emerging safety issues of innovative fuels

### 2) CHEMICAL AND PROCESS HAZARDS

- Hazards of chemical substances
- Process runaway and stability of reactors
- Scale-up of reactive processes

### 3) CONSEQUENCE ANALYSIS

- Models and experiments for the analysis of accident consequences
- Selection of best available models
- Models for escalation and equipment damage

### 4) RISK AND HAZARD ANALYSIS

- Hazard identification, risk assessment, multi-risk and multi-hazard analysis
- External hazard factors and security issues
- NaTech scenarios and influence of natural hazards

### 5) HUMAN FACTORS AND SAFETY CULTURE

- Human error
- Safety culture and education
- Risk perception and communication

### 6) RISK GOVERNANCE AND REGULATIONS

- Seveso Directive: applications and experiences
- ATEX and PED related issues
- Environmental Impact Assessment and Integrated Pollution Prevention Control

### 7) FORENSIC ENGINEERING AND ACCIDENT INVESTIGATION

- Analytical and computational methods in forensic investigation
- Accident investigation and case-studies
- Learning from accidents

### 8) PROCESS DEVELOPMENT FOR SAFETY AND SUSTAINABILITY

- Life-cycle approach to sustainability
- Process integration and green engineering
- Inherent safer processes and performance indicators

### 9) SAFETY OF ENERGY SYSTEMS

- Safety in the oil&gas industry including the LNG and CNG supply chains
- Safety in nuclear energy production
- Safety of energy transportation infrastructures and of renewable sources

### 10) SAFETY OF TRANSPORTATION SYSTEMS

- Safety in the land transportation of hazardous materials
- Risk analysis and risk assessment after the Viareggio accident
- Safety in water transportation of hazardous materials

### 11) HSE MANAGEMENT

- Environmental Safety and occupational health
- Emergency planning and emergency exposure
- HSE Management Systems

## ABSTRACT SUBMISSION

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The official language of the conference is English.

Authors wishing to present a contribution are asked to prepare maximum one page abstract to be submitted ONLY by web-page to the Conference Secretariat <http://www.aidic.it/cisap5>

**The deadline is October 7<sup>th</sup>, 2011**

For each accepted abstracts the submission of a full paper is required.

For each papers published into the CET proceedings, a fee is required.

The registration fee for publication into CET proceedings and attendance at the conference will be in the range of Euro 600 per paper.

## PROCEEDINGS

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The full set of accepted papers of CISAP-5 Conference (in the form of short papers of 6 pages) will be published into CET "Chemical Engineering Transactions".

The quality of this publication is valued by ISBN & ISSN numbers, referenced by SCOPUS and THOMSON REUTERS (ISI Web of Knowledge, conference proceedings) citation indexes.

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Each Paper is evaluated for acceptance by at least two Peer Reviewers.