

in cooperation with  
Bicocca University of Milan



# 1<sup>st</sup> AIEE Energy Symposium

# Current and Future Challenges to Energy Security

**30 November-2 December 2016**  
**Milan, Italy**

**PROGRAMME ANNOUNCEMENT**  
**Call for Papers**

[www.aieeconference2016milano.eu](http://www.aieeconference2016milano.eu)

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Dear Energy Colleague,

The **AIEE** - Italian Association of Energy Economists (Italian affiliate of the **IAEE** - The International Association for Energy Economics) is organizing this international conference in cooperation with the **Bicocca University** of Milan to bring together energy experts engaged in academic, business, government, international organizations for an exchange of ideas and experiences on the present and future landscape of energy security.

As Europe strives to overcome the economic crisis, energy stands out both as a conditioning factor and as an opportunity.

The energy situation is evolving in Europe as well as in the rest of the world, where new actors, the emerging economies, are taking the leading role. Political developments in several areas of the globe (North Africa and Middle East, the Caspian region, ASEAN countries) are reshaping the geopolitical situation, generating some worries about the security of supply in the EU countries.

The concept of energy security is undergoing a rapid transformation. In the past, geopolitics and the supply of oil and gas were the dominant factors determining energy security. Today, a broader and more complex spectrum of elements are interacting to both stabilize and threaten energy security.

The availability of energy sources, when we consider both fossil fuels and renewables, is increasing. In particular, a major source of change is the strong growth in the production and integration of renewable and distributed energy, which offers opportunities to diversify the energy mix and thus improve energy security by reducing physical reliance and price exposure to only a

few sources and countries. At the same time, this paradigm of a new energy system has strong implications both on petroleum-producing countries and companies, with knock-on effects on geo-economic balance of powers and energy markets and on the security and reliability of the transmission and distribution networks.

The new challenges of the digital revolution that on one hand offers opportunities to improve efficiency, to have lower costs but on the other hand raises a whole new set of challenges and creates vulnerabilities we have never seen before so that energy is being viewed as a key part of national security.

While in the past the supply side was the dominant factor in energy security, with the critical element being the possibility of sourcing the products to produce electricity and provide mobility, now the energy security balance is changing. Supply is as important and as vulnerable as is the transmission and distribution of energy.

The purpose of this conference is to provide a fresh look at the forces driving this transformation and at some of their effects. Many of them are different from anything we have seen in the past.

This conference will try to explore new and existing energy trends, challenges and creative solutions for the energy security, the availability of new technologies, the emergence of new market conditions and of new market operators.

No better stage can be imagined for this debate than Milan, the crossroad of political, economic and cultural activities.

General Conference Chair  
Carlo Andrea Bollino, AIEE President

Organization Committee Chair  
Carlo Di Primio, AIEE Vice President

## Conference objectives

Recent events have added elements of uncertainty in the already complex evolution of the energy situation in the world and in Europe in particular. Security of supply, geopolitical aspects and environmental problems are once more at the forefront.

The Conference aims at providing a forum for an analysis of the new developments and a new vision of the future framework for energy security and will try to define the energy priorities for the next years and the action to be taken.

No better stage can be imagined for this debate than Milan, the crossroad of political, economic and cultural activities.

## Organization

CARLO ANDREA BOLLINO (*GENERAL CONFERENCE CHAIR*)  
President, AIEE, Italy

CARLO DI PRIMIO (*ORGANIZATION COMMITTEE CHAIR*)  
Vice President, AIEE, Italy

LUCIA VISCONTI PARISIO, Professor, Bicocca University, Italy (*SCIENTIFIC COMMITTEE CHAIR*)  
SILVANA STEFANI, Professor, Bicocca University, Italy (*PROGRAMME COMMITTEE CHAIR*)

## Registration fees

Participants	before October 15		after October 15	
Speaker/Chair IAEE Member	€	400	€	450
Speaker/Chair Non-Member	€	490	€	550
Delegate IAEE Member	€	550	€	600
Delegate Non-Member	€	680	€	700
Student IAEE Member	€	220	€	270
Student Non-Member	€	280	€	320

## Conference Venue



The **Bicocca University** stands in the northern area of Milan, which was occupied by the Pirelli industrial complex until the late 1980s. The ex-industrial area and its warehouses were transformed into a new district, which includes the Athenaeum, research laboratories and student residence halls. It is now the location of the biggest urban renewal project carried out in Milan since the end of the Second World War.

## Venue facilities

The academic scenario of the Economics Department offers an ideal platform to promote the exchange of ideas and host high level events and conferences. The meeting rooms are well-equipped with up to date technology, very latest facilities and free wireless connection to provide a highly professional welcome for to their guests. Their modern structures allow to set up many general and concurrent sessions. Wide spaces in close proximity to the scientific sessions rooms that offer a comfortable accommodation and a catering area, where coffee breaks and lunches can be served for the participants.



In this cityscape the University of Milano **Bicocca** arose and hundreds of lecturers have contributed their talents and brought international networks and research groups. This synergy makes the University a laboratory where tradition and modernity are combined to ensure an innovative future.



## Conference Programme

### Wednesday - November 30, 2016

16:30-17:30 **Opening Plenary Session**  
17.30-18.30 **Welcome Cocktail**

### Thursday - December 1, 2016

**Coffee bar** (opened from 8.30-10.30)

09.00-10.00 **Dual Plenary Sessions**  
*Energy security of supply and market developments (shale gas & LNG)*  
*Regulation of energy markets*

10.00-11.30 - 1<sup>st</sup> cycle of 5 parallel sessions  
11.30-13.00 - 2<sup>nd</sup> cycle of 5 parallel sessions

13.00-14.00 **Lunch buffet**  
(1<sup>st</sup> poster session)

14.00-15.30 - 3<sup>rd</sup> cycle of 5 parallel sessions  
15.30-17.00 - 4<sup>th</sup> cycle of 5 parallel sessions

### Friday - December 2, 2016

**Coffee bar** (opened from 8.30-10.30)

09.00-10.00 **Dual Plenary Sessions**  
*Energy challenges in the industrial sectors: the transition to a low-carbon economy*  
*Europe Roadmap to 2050 and the future strategies of the energy industry*

10.00-11.30 - 5<sup>th</sup> cycle of 5 parallel sessions  
11.30-13.00 - 6<sup>th</sup> cycle of 5 parallel sessions

13.00-14.00 **Lunch buffet**  
(2<sup>nd</sup> poster session)

14.00-15.30 - 7<sup>th</sup> cycle of 5 parallel sessions  
15.30-17.00 - 8<sup>th</sup> cycle of 5 parallel sessions

17.00-18.00 **Closing session**

## Students

Students are especially encouraged to participate and may attend the conference at the reduced student registration rate.

In addition students may submit a paper for consideration in the *Best Paper award Competition* (cash prize plus waiver of conference registration fee).

Students are also welcome to participate in the *Poster Session*.

## Call for Papers

**(Abstract submission deadline: August 25, 2016)**

Concurrent sessions will be organized from accepted abstracts. Authors may be encouraged by the Programme Committee to organize specific sessions. Submitted abstracts should be of one or two pages in length, comprising (1) overview, (2) methods, (3) results and (4) conclusions.

Authors will be notified by **September 15, 2016** of their admission status.

While multiple submissions by individual or groups of authors are welcome, the abstract selection process will seek to ensure as broad participation as possible: each speaker is to deliver only one presentation in the conference. If multiple submissions are accepted, then a different co-author will be required to pay the speaker registration fee and present the paper.

The submission of the full paper is not obligatory unless the author is interested to propose it for publication.

## Concurrent sessions

Four of the 40 concurrent sessions will be devoted to the themes covered in the dual plenary sessions to present further papers on these subjects. The other themes will largely be identified from the clustering of relevant presentations submitted by the participants.

### Proposed topics:

Europe energy road map to 2050	Smart cities
Climate policy and emission trading	Technology development (grid management)
Energy supply and security	The gas market: new perspectives?
The future of transportation	The perspective of LNG
Access to energy	Biogas and biomethane
North-South cooperation on renewable energy	The impact of oil price fluctuation
Energy vulnerability in developed countries	Real-time tariffs
The future energy demand	Strategic contribution of energy storage to tenergy security
The utility of the future	Energy storage – effects on the market
The Union energy security	Promoting or imposing energy efficiency?
Regulation of energy markets	Sectorial approach to energy efficiency in industry
Extending the scope of European energy regulation	Energy efficiency in buildings
Smart grids	Behavioural Energy Economics
Smart meters	Market instruments for energy efficiency

## Paper publication

AIEE has made an agreement with the *Politica Economica Journal of Economic Policy (PEJEP)* which, on request of the authors, is interested to select for publication in a special issue, the most interesting papers presented in the conference (the selection will be done according to the reviewing procedures of the Journal).

The purpose of *Politica Economica - Journal of Economic Policy (PEJEP)* is to provide an outlet for original research in all areas of economic and public policy with a special focus on Italy as an EU country.

The Journal privileges variety in methodological approaches and awareness of financial, institutional, and political eco-economy constraints when advancing and evaluating policy measures. Both aspects can enhance the impact of economists' analyses and proposals in the public debate. *PEJEP's* scope encompasses – but is not limited to – theoretical and applied, macro and micro studies, proposals for new policy measures, methods and applications thereof to evaluate policies already implemented. The Journal publishes mainly in English - <https://www.mulino.it/riviste/issn/1120-9496>

## Hotel accommodation

A list of hotels at special rates (from 150 to 250 Euro) in areas well connected to the conference venue as well as to the center of the city, will be available on the conference website.

### Conference secretariat

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