

in cooperation with



**Università  
Bocconi**  
MILANO

# 3<sup>rd</sup> AIEE Energy Symposium



## **Current and Future Challenges to Energy Security** the energy transition



**Milan, 10-12 December, 2018  
Bocconi University**

[www.aieeconference2018milan.eu](http://www.aieeconference2018milan.eu)

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 **Bocconi University - IEFEE Centre for Research on Energy and Environmental Economics and Policy**, 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.

The first two editions of the **AIEE Symposium on Energy Security - Milan 2016 and Rome 2017**, were an opportunity to explore new 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.

Following up on the success of the past editions we are delighted to announce this third **AIEE Energy Symposium** to provide a fresh look on the major forthcoming issues offering an excellent occasion to continue the dialogue and to share best practice and experience with delegates from all over the world.

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.

General Conference Chair  
Carlo Andrea Bollino, AIEE 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.

This conference is an invitation with the goal of promoting research and information exchanges on energy security, providing a general look at the forces driving its transformation and at some of their effects. Many of them are different from anything we have seen in the past.

## Organization

*GENERAL CONFERENCE CHAIR:* **CARLO ANDREA BOLLINO** President, AIEE, Italy

*SCIENTIFIC COMMITTEE CHAIR:* **MICHELE POLO**, Eni Chair in Energy Markets and IEFEE Director, Bocconi University, Italy

*PROGRAMME COMMITTEE CHAIR:* **AGIME GERBETI**, Adjunct Professor, LUMSA University, Italy

*ORGANIZATION COMMITTEE CHAIR:* **MATTEO DI CASTELNUOVO**, Professor of Practice and MaGER Director, Bocconi University, Italy

*SPONSORSHIP COMMITTEE CHAIR:* **CARLO DI PRIMIO**, Vice President, AIEE, Italy

*Organization and Coordination:* **ANKA SERBU**, External Relations & Communication, AIEE, Italy

## Registration fees

Participants	before September 1 <sup>st</sup>		after September 1 <sup>st</sup>	
Speaker/Chair IAEI Member	€	400	€	450
Speaker/Chair Non-Member	€	490	€	550
Delegate IAEI Member	€	550	€	600
Delegate Non-Member	€	680	€	700
Student IAEI Member	€	220	€	270
Student Non-Member	€	280	€	320

## Conference Venue



**Università  
Bocconi**  
MILANO

**Bocconi University**, founded in 1902, was the first Italian university to grant a degree in economics.

**Bocconi** grants Bachelor, Master of Science, and PhD degrees in Management, Economics, Law and other disciplines, including the Master in Green Management, Energy and Corporate Social Responsibility.

For a century, **Bocconi** has played a leading role in Italy's social and economic modernization. It has remained true to its founding values of being a major research university, with democratic values and open to the world, as well as financially and politically independent.

It also offers a number of post-experience programs, and administers hundreds of advanced courses to managers and professionals in all realms of private and public management. Bocconi's *Center for Research on Energy and Environmental Economics and Policy* (IEFE) was established in 1957. It coordinates and conducts academic and applied research in the fields of: energy economics (energy markets and natural resources); environmental economics (environmental policy/management and sustainability); economics of public utilities (regulation of energy, water and waste).



Today, **Bocconi** is a research university of international standing in business, economics, and law. Its research projects are funded by national and supranational institutions. By virtue of being a major node in the European and global network of business and economics universities, **Bocconi** exchanges faculty and cooperates on large projects with like-minded European and American universities and business schools.

**Bocconi** has close relations with major corporations and international agencies, as well as their managers and officials, and constantly interacts with the business and economic environment to assess new issues, implement new techniques, and start new research endeavors.

The academic scenario of the **Bocconi University** 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.

## Conference Programme

### Monday - December 10, 2018

16:30-17:30 **Opening Welcome Address**

17.30-19.00 **Welcome Cocktail**

### Tuesday - December 11, 2018

**Welcome coffee** (from 8.30-10.30)

09.00 -10.30 1<sup>st</sup> cycle of concurrent sessions (1-4)

10.00 -11.30 **Dual Plenary Sessions**

EU towards 2030

Regulation of energy markets

11.30 -13.00 2<sup>nd</sup> cycle of concurrent sessions (5-8)

13.00 -14.00 **Lunch buffet** - (poster session)

14.00 -15.30 **Dual Plenary Sessions**

Economic instruments and transition pathways to a low-carbon economy in the industrial sectors

Europe Roadmap and the future strategies of the energy industry

15.30 -17.00 3<sup>rd</sup> cycle of concurrent sessions (9-12)

### Wednesday - December 12, 2018

**Welcome coffee** (from 8.30-10.30)

09.00 -10.30 4<sup>th</sup> cycle of concurrent sessions (13-16)

10.30 -11.30 **Dual Plenary Sessions**

Sustainable mobility challenges for the transition targets

Energy security of supply and market developments

11.30 -13.00 5<sup>th</sup> cycle of concurrent sessions (17-20)

13.00 -14.00 **Lunch buffet**

14.00 -15.30 6<sup>th</sup> cycle of concurrent sessions (21-24)

15.30 -17.00 7<sup>th</sup> cycle of concurrent sessions (25-28)

**Conference Closing**

## 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 Abstracts

**(Abstract submission starts on May 15, 2018 - deadline: July 15, 2018)**

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 **August 1<sup>st</sup>, 2018** 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 30 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:

Access to energy	Smart grids
Biogas and biomethane	Smart meters
Behavioural energy economics	Smart cities
Climate policy and emission trading	The future energy demand
Europe energy road map to 2050	The utility of the future
Energy supply and security	The Union energy security
Energy efficiency in buildings	Technology development (grid management)
Energy storage – effects on the market	The gas market: new perspectives?
Energy vulnerability in developed countries	The perspective of LNG
Extending the scope of European energy regulation	The impact of oil price fluctuation
Industrial energy and material efficiency	The future of transportation
Energy and Industrial Competitiveness	Technology development - grid management
Market instruments for energy efficiency North-South cooperation on renewable energy	Strategic contribution of energy storage to energy security
Promoting or imposing energy efficiency?	Sectorial approach to energy efficiency in industry
Regulation of energy markets	Reducing industrial energy use and CO <sub>2</sub> emissions
Real-time tariffs	European perspectives of energy security in the global context

## Conference proceedings

AIEE will publish the conference proceedings on-line on the conference website, in one volume with open access. The proceedings will contain the abstracts, it is not obligatory to submit the full paper, unless the author is interested to publish it.

### **CURRENT AND FUTURE CHALLENGES TO ENERGY SECURITY**

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